
PROJECT CATALOGUE

52 PROJECTS FROM THE BUSINESSES
REGION'S AND COMMUNITIES

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PRODUCTION OF INTEGRATED UNINTERRUPTED POWER AND HEAT SUPPLY SYSTEMS



Construction of a plant for the production of integrated systems of uninterrupted power and heat supply, as well as their elements for industrial and residential facilities

The innovative products of the Project are:

1. integrated systems of uninterrupted electricity and heat supply with using batteries of the new generation, heat pumps, as well as solar and wind energy installations;
2. lithium-ion accumulators and batteries for various fields of use.

INITIATOR:

The Institute of Transport Systems and Technologies of the NAS of sciences of Ukraine



DURATION:

3 years



TOTAL PROJECT COST:

\$65 mln



PROJECT GOALS:

- ▶ creation of the first complex in Ukraine for the production of integrated systems of uninterrupted electricity and heat supply using new generation batteries, heat pumps, as well as solar and wind power plants;
- ▶ take a worthy place in the international division of labor in the field of high technologies and provide additional impetus to domestic scientific developments;
- ▶ production of lighter and smaller batteries compared to other types of batteries;
- ▶ processing and disposal of used lithium-ion batteries with the receipt of various types of raw materials with a high concentration of lithium, cobalt, nickel, manganese and other materials that can be used again for the production of lithium-ion batteries.



ECONOMIC INDICATORS OF THE PROJECT

1. production of lithium-ion batteries – **\$50 mln**
2. production of integrated systems of uninterrupted power and heat supply for industrial and residential facilities – **\$15 mln**



TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

area:

5.2 ha

industry land,

cadastral number is available.

Project location:

the city of Dnipro.

Engineering infrastructure:

water, gas and electricity are available and do not require any additional investments.

Transport infrastructure:

- 7 km – automotive road E50;
- 8 km – railway station «Dnipro-holovnyi»;
- 1 km – railway line;
- 9 km – river port.

Mechanisms for cooperation:

- investing in the project;
- joint venture creation.



ADDITIONAL INFORMATION

It is planned to launch the production of lithium-ion batteries as a key component of integrated power and heat supply systems, starting with the assembly of battery packs using cells from foreign manufacturers. This requires relatively low capital investment and allows for rapid adaptation of production to new cell types. As the project develops, it is planned to master the domestic production of individual electronic control modules, thermal stabilization systems and body parts, followed at a later stage by the serial production of the cells using modern high-tech equipment.

Alignment with the sustainable development goals:



Lithium-ion technology is the most dynamic and promising sector in battery manufacturing. In 2022, the global market was valued at \$46 bln, and by 2030, it could grow to \$170–270 bln at an average annual growth rate of 15–19%. Key segments include autonomous electric vehicles and energy storage systems for networks and autonomous/uninterruptible power supplies. Considering the expected rapid growth in demand, it is crucial for Ukraine to develop national capabilities in the production of components for such integrated systems, particularly lithium-ion batteries. In the context of risks of damage of energy infrastructure due to hostilities, the implementation of these solutions is critically important and vital.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CREATION OF MODERN TRACTOR PRODUCTION AND AGRICULTURAL MACHINE BUILDING



The project is aimed at restoring and modernizing tractor manufacturing at the YUZHMAH production base, which has prior experience in this field, available production facilities, and the necessary infrastructure.

Project implementation involves technical re-equipment and the development of cooperation with global tractor and component manufacturers.



The project aims to expand the presence of domestically produced agricultural machinery in the Ukrainian market and reduce import dependence.

INITIATOR:

"YUZHMAH"



<https://yuzhmash.com/en/>

DURATION:



3 years

TOTAL PROJECT COST:



\$ 10 mln



PROJECT GOALS:

- ▶ creation of new capacities for the production of up to 10 thousand tractors per year;
- ▶ saturation of the market with competitive domestic agricultural machinery;
- ▶ transition to new resource-saving technologies, improvement of technical level, quality and reliability of tractors;
- ▶ development and realization of the project of reconstruction. Creation of 2000 workplaces.



ECONOMIC INDICATORS OF THE PROJECT

Company's resources for project implementation: \$0.3 mln

Net present value (NPV)

\$1.5 mln

Profitability index (PI)

1.63

Internal rate of return (IRR)

14.3 %

Payback period (PP)

4.7 years

EBITDA (4-th year)

\$ 3.1 mln

Revenue (4-th year)

\$ 9.8 mln



TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

area:

9,3 ha;

industry land,

cadastral number is available.

Project location:

the city of Dnipro.

Engineering infrastructure:

water supply, gas supply, electricity supply are in place and do not require additional investment.

Transport infrastructure:

road and railroad accesses to the production territory are available.

Initiator resources:

- enterprise has experience in tractor manufacturing, is located in an industrial area, and is equipped with its own railway tracks and warehouse facilities;
- buildings and constructions to accommodate production, with a total area of 93,000 m²;
- a project for tractor production has been developed (requires recalculation).

Mechanisms for cooperation:

- equity participation;
- lease of production facilities;
- joint venture.



ADDITIONAL INFORMATION

Target market: the primary sales market is the domestic Ukrainian market (B2B), primarily agro-industrial enterprises and farming businesses seeking to replace imported machinery (approximately 95% of the market is currently covered by imports worth about \$796 million annually). In the longer term, the project has export potential, however, the current priority is import substitution in the domestic market.

Alignment with the sustainable development goals:



Key partners: CLAAS KGaA mbH – supplier of agricultural machinery components (historical cooperation in combine harvester production), Germany. Case IH / CNH Industrial N.V. – potential technology partner (tractor production of the Case Magnum model at YUZHMAH had previously been considered), United States / Netherlands. Northrop Grumman Corporation – partner in the manufacture of rocket structures for the Antares launch vehicle, demonstrating experience in international industrial cooperation, United States.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: o.kozlytska@dia.dp.ua

PRODUCTION OF BIODEGRADABLE ECO-DISHWARE



The project provides for the opening of its own production of biodegradable tableware made of corn starch in Ukraine.



INITIATOR:

"ECO CORN" LLC

<https://eco-corn.com/>



DURATION:



1 year

TOTAL PROJECT COST:



\$ 450 thsd.



PROJECT GOALS:

- ▶ increase in turnover up to \$100,000 per month;
- ▶ expansion of the customer base through the production of new products to order at our own facilities;
- ▶ reducing the cost of production, as well as its cost to the end consumer;
- ▶ increased tax revenues to the local budget.



ECONOMIC INDICATORS OF THE PROJECT

1. more than \$150.000 invested in the existing company today;
2. the company's turnover per month: 30.000 - 35.000 U.S. dollars;
3. product profitability – about 25%;
4. number of employees – 10 people;
5. existing customers of the company – Epicenter, Varus, Subaru, Ferrexpo and others.



TECHNICAL PARAMETERS OF THE PROJECT

According to the planning project:

select, purchase, install and set up a line for the production of disposable biodegradable tableware from corn starch-based polymer.

Also the selection and testing of raw materials, rent of production premises, utilities and payment of employees (5 people) in the first month of operation of the enterprise.

Project location:

the city of Dnipro.

Mechanisms for cooperation:

- refundable investment with a return period of 4-6 years after production reaches the break-even point for 3 consecutive months;
- grant financing of the project.



ADDITIONAL INFORMATION

According to Verified Market Research, the global market for biodegradable tableware was valued at nearly \$3 billion in 2018.

The market is expected to grow by more than 1.5 times by 2025, as measures by developed countries to eliminate the use and consumption of disposable tableware contribute to this growth.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

PRODUCTION OF METAL PACKAGING



Creation of a modern industrial complex for the production of metal packaging.

Potential distribution channels are producers of canned meat, fish, fruit and vegetable, oil, vegetable and animal fats, honey, molasses. Also chemical and paint and varnish production (paints, varnishes, oils).



The second phase of the project involves the launch of:

- production line of can cover (d 100 mm, 63 mm, 48 mm);
- production line of seamless metal tin can;
- production line of canisters (1, 3, 4, 5, 6 liters);
- line of lamination and UV-print.

INITIATOR:

Metal-Print, LLC



www.metalprint-ua.com

DURATION:



3 years

REQUIRED INVESTMENT
CAPITAL:



\$25 mln



PROJECT GOALS:

- compliance with modern environmental safety standards;
- annual growth of twist off lid is 10-12%;
- creation of 30 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$4.6 mln

Revenue (5th year)

\$49.1 mln

Internal rate of return (IRR)

22%

Payback Period (PP)

5 years

EBITDA (5th year)

\$11.8 mln



TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

area:

2.5 ha

industry land,

cadastral number is available.

Project location:

the city of Dnipro.

Engineering infrastructure:

water, gas and electricity are available and do not require any additional investments.

Transport infrastructure:

There are available both auto and railway access to the production territory; the river port is at a distance of 5 km.

Mechanisms for cooperation:

- credit line up to 7% year in foreign currency;
- share interest in percentage according to the amount of investment.



ADDITIONAL INFORMATION

Company uses modern equipment and advanced technologies, and the specialists at METAL-PRINT are experienced professionals in this field. The company's products meet the highest international standards (ISO 9001).

Alignment with the sustainable development goals:



Today already launched:

- varnishing line and full color printing line - manufactured by KBA-MetalPrint GmbH (Germany);
- CPT & ndash equipment system for pre-pressing - manufactured by AGFA (Belgium);
- X-Rite (IGT) modern laboratory of varnishes and paints;
- production line of twist off lid type - manufactured by Rainer Naroska (Germany) d 82 mm, 66 mm, 53 mm;
- production line of metal canisters (18-20 liters) (Germany);
- production line of cap for preserving glass jar.



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the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CREATION OF THE POLYMER MATERIAL SHEETS PRODUCTION



Creating a new enterprise for the sheets production of polymer plastic sheet of polyethylene, polypropylene and other polymer materials.

INITIATOR:



SPE Ukrkhimzakhyst, LLC

DURATION:



2 years

REQUIRED INVESTMENT
CAPITAL:



\$4.3 mln



PROJECT GOALS:

- ▶ creation of modern production;
- ▶ saturation of the Ukrainian market with domestic products;
- ▶ increasing tax revenues to the local budget;
- ▶ creation of 35 new workplaces.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$1.8 mln

Revenue (5th year)

\$6.5 mln

Internal rate of return (IRR)

26%

Payback Period (PP)

5 years

EBITDA (5th year)

\$1.5 mln



TECHNICAL PARAMETERS OF THE PROJECT

According to the planning project:

Polymer plastic sheet of polyethylene, polypropylene and other polymer materials using automated lineEXT */120/* type.

Mechanisms for cooperation:

- credit, venture capital;
- joint venture;
- other joint activities.

Project location:

Dnipropetrovsk region.



ADDITIONAL INFORMATION

Today these products are imported to Ukraine. At start of own full cycle production, the release per sheet will be 3,5 euro/kg, and in the complete cycle will be up to 20 euro/kg.

The delivery schedule of raw materials supply for the production of polypropylene and polyethylene sheets provides cooperation with domestic and foreign producers.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CREATION OF AN ENTERPRISE FOR THE DESIGN AND MANUFACTURE OF HIGH-TECH EQUIPMENT



Creating an enterprise for the design and construction of tanks from polymeric materials (polypropylene, polyethylene, teflon, etc.), as well as technological equipment based on them.



INITIATOR:



SPE Ukrkhimzakhyst, LLC

DURATION:



2 years

REQUIRED INVESTMENT
CAPITAL:



\$1.1 mln



PROJECT GOALS:

- ▶ creation of modern production;
- ▶ saturation of the Ukrainian market with domestic products;
- ▶ increasing tax revenues to the local budget;
- ▶ creation of 45 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$10 mln

Revenue (5th year)

\$1.8 mln

Internal rate of return (IRR)

20%

Payback Period (PP)

5 years

EBITDA (5th year)

\$1.3 mln



TECHNICAL PARAMETERS OF THE PROJECT

According to the planning project:

Production of storage equipment and technological systems operating in harsh conditions (contact with acids, alkalis, salt solutions, exposed to mechanical abrasion).

Creation of equipment that matches the conditions of high-risk equipment operation.

Project location:

Pavlohrad district, Dnipropetrovsk region.

Mechanisms for cooperation:

- credit, venture capital;
- joint venture;
- other joint activities.



ADDITIONAL INFORMATION

The enterprise implemented 8 relevant projects:

Yug-Neftegaz Ltd;

- Ukrbudgaz;
- Roshen;
- JSC «U.P.E.C.»;
- Kyslorodmash;
- MAS Seeds Ukraine.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CREATION OF LAMINATE TUBES PRODUCTION



The business is engaged in the production and sale of cosmetics and dietary supplements in the form of syrups, edible gel, tablets and capsules.

The owners of business strive to develop the company and reduce production costs. This can be achieved by laminated tubes production, for its further usage in production and sale.

INITIATOR:



LLC "Elixir"

<https://eliksir.ua/>

DURATION:



3 years

REQUIRED INVESTMENT
CAPITAL:



\$10.2 mln



PROJECT GOALS:

- ▶ reduce the business production cost by launching the line;
- ▶ tube production;
- ▶ tube sale;
- ▶ creation of 70 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$2,7 mln

Revenue (5th year)

\$7,5 mln

Internal rate of return (IRR)

20%

Payback Period (PP)

5,1 years

EBITDA (5th year)

\$3 mln



TECHNICAL PARAMETERS OF THE PROJECT

The project includes the launch of a modern automated production line for laminate tubes. The technological process will be based on tube manufacturing equipment and laboratory equipment for quality control of finished products.

The project will generate revenue in two areas: by replacing the purchase of packaging for ELIKSIR LLC's own products and by selling laminate tubes to external B2B clients. The main customers are manufacturers of cosmetics, pharmaceuticals, food products and chemical products in Ukraine and abroad. The products will be marketed through direct B2B sales and contractual supply arrangements. The project's commercial advantages include its location in the city of Dnipro, the availability of prepared infrastructure and the company's established market position. The projected capacity of 50 million tubes per year creates the conditions for scaling up and entering new export markets.

Project location:

Dnipropetrovsk region.

Mechanisms for cooperation:

- credit, venture capital;
- joint venture;
- other joint activities.



ADDITIONAL INFORMATION

ELIKSIR LLC is a Ukrainian manufacturer of biologically active cosmeceuticals and dietary supplements, founded in 2000. The company produces more than 600 product items in the categories of cosmetics, medical devices, dietary supplements and disinfectants and is certified according to ISO standards. Its products are sold through a network of more than 1000 partners in Ukraine, Poland, Moldova and Latvia.

The company's main products:

- cosmetic and wellness products (creams, gels, balms, shampoos);
- gel-based medical devices;
- dietary supplements (tablets, capsules, syrups);
- disinfectants and antiseptic products;
- contract manufacturing of cosmetics and dietary supplements under customers' private labels.

Alignment with the sustainable development goals:



DIA DNIPROPETROVSK
INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CREATION OF ADBLUE PRODUCTION

Production of AdBlue diesel engine additive in accordance with VDA (German Association of the Automotive Industry) technologies.

This innovative product is the embodiment of consistently high quality and is seen as a strategic step towards environmental protection and the introduction of advanced technologies in the transport industry.

The line's capacity will be: 9 thousand liters per hour

(with an 8-hour working day – 1.3 million liters per month or 16 million liters per year).



After the launch of AdBlue production, PE "MIM" also plans to open a second production facility: plastic containers of 5 liters, 10 liters, 20 liters, 1000 liters IBC cube.

INITIATOR:



PE «MIM»

<https://mimdp.com.ua/>

DURATION:



2 years

REQUIRED INVESTMENT
CAPITAL:



\$1.1 mln



PROJECT GOALS:

- ▶ reduce the environmental impact of motor vehicles by effectively reducing NOx emissions and contributing to cleaner air;
- ▶ growing demand for AdBlue due to strict environmental standards and vehicle emission requirements creates a promising market for the production;
- ▶ the use of advanced technologies in production guarantees high quality and competitiveness of the products;
- ▶ creation of additional 9-15 workplaces.



ECONOMIC INDICATORS OF THE PROJECT

Own floating assets: \$0,1 mln

Net present value (NPV)

\$2.7 mln

Profitability index (PI)

3.49

Internal rate of return (IRR)

73%

Payback Period (PP)

3 years

EBITDA (3rd year)

\$1.3 mln

Revenue (3rd year)

\$3.2 mln



TECHNICAL PARAMETERS OF THE PROJECT

Facilities:

for the production, there will be rented premises in Dnipro with an area of 500 m².

Communal services and requirements:

water – 40,000 m³/month and
electricity – 8,000 kW/month.

Transport infrastructure:

three different types of transport will be purchased to ensure timely transport.

Project location:

the city of Dnipro.

Mechanisms for cooperation:

- equity participation;
- creation of a joint enterprise;
- grant funds.



ADDITIONAL INFORMATION

PE "MIM":

- Since 2002, MIM has been a leading specialist in the Ukrainian market in the field of implementing technologies for chemical treatment of metal surfaces before painting (degreasing, phosphating, zirconium passivation), pipe and wire drawing, hot-dip galvanising, flaw detection, rust and old paint removal, etc;
- Since 2011, MIM has been the only official distributor in Ukraine of Basf-Chemetall (formerly Chemetall), which is a leader in its field.
- MIM has partnerships with a number of other European companies in the field of metalworking and related equipment - TIB, HERWIG, B4S, UMICORE.

Alignment with the sustainable development goals:



AdBlue is an additive for diesel vehicles that reduces nitrogen oxides in diesel engine exhaust by 90%. The use of AdBlue is required by European environmental standards Euro 4-5-6 and is mandatory for diesel vehicles that meet EU standards.

Last year, the Ukrainian market for this reagent more than doubled (+108%) to 48.9 million liters. The Ukrainian AdBlue market is estimated at UAH 960 million per year.

Currently, three companies in Ukraine officially produce AdBlue in accordance with VDA requirements.

Nowadays, AdBlue is extremely important for military equipment, as it is the key to the uninterrupted movement of equipment at the frontline, which ensures the quality of dozens of modern military vehicles.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

PRODUCTION OF EQUIPMENT FOR PROCESSING AND DISPOSING CONSTRUCTION WASTE



The company plans to implement a project to increase the production of equipment for processing and disposing of construction and demolition waste in the city of Kryvyi Rih.

The project provides for the development and production of innovative specialised mechanisms such as hydraulic rotary grapples, concrete breakers, metal cutting machines, ladles and other attachments for equipment used in the demolition and disposing of building materials.



The expansion of industrial capacity includes the modernisation of existing infrastructure and the installation of modern metalworking equipment with computer numerical control (CNC) systems, which will ensure increased accuracy, productivity and quality of manufactured products.

INITIATOR:



PE "PLAZIS-EM"

<http://plasis-em.com/>

DURATION:



1 year

REQUIRED INVESTMENT
CAPITAL:



\$4 mln



PROJECT GOALS:

- ▶ expansion of industrial capacity for production of equipment for processing and disposal of construction waste;
- ▶ providing high-tech solutions in the field of metalworking by installing modern equipment with CNC systems;
- ▶ reducing dependence of Ukrainian construction and mining companies on imported equipment by developing domestic production;
- ▶ promoting environmental safety in the construction sector through the widespread use of waste recycling technologies;
- ▶ creation of 60 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$41,2 mln

Revenue

N/A

Internal rate of return (IRR)

37,9%

Payback Period (PP)

2 years

EBITDA

N/A



TECHNICAL PARAMETERS OF THE PROJECT

- Base of implementation: the existing production facilities of the PE "PLAZIS-EM", which specializes in the production of machinery and equipment for the mining and construction industries.
- Product type: hydraulic rotary grapples, concrete breakers, metal cutting machines, special-purpose ladles and other attachments.
- Key tasks under the project:
 - expansion of the engineering office to develop new equipment models;
 - modernization of production facilities and communications;
 - installation of modern computer-controlled metalworking equipment;
 - introduction of automated quality control systems.

- Expected capacity after implementation: increase of production volume to 150–200 units of equipment per year (depending on the product range).
- Environmental efficiency: the project aims to reduce construction waste, reuse materials and lower CO₂ emissions.

Project location:

The city of Kryvyi Rih.

Mechanisms of cooperation:

- involvement of credit resources, grant funds and direct investments;
- financial partnership;
- other opportunities of cooperation.



ADDITIONAL INFORMATION

PE "PLAZIS-EM" is a Ukrainian industrial enterprise with over 25 years of experience in mechanical engineering. The company has its own engineering office, modern production facilities and well-established contacts with industrial partners in Ukraine and abroad.

Project status: ready for implementation

Alignment with the sustainable development goals:



The implementation of the project is timely and strategically important for Ukraine in the context of post-war recovery. The production of modern equipment for the processing and disposing of construction and demolition waste will make it possible to:

- effectively reuse materials from dismantled or damaged structures;
- reduce the burden on landfills and transport infrastructure;
- cut the cost of building new structures by using secondary raw materials.

The project directly corresponds to the goals of infrastructure recovery and implementation of circular economy principles.

DIA DNIPROPETROVSK
INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

PRODUCTION OF DR-GRADE PELLETS (FOR DIRECT REDUCED IRON)



The project provides for the construction of new enrichment (flotation) facilities and modernization of production lines for production of DR-grade pellets for direct iron reduction technology.

The production capacity of the project will be 4 million tons of pellets per year, ensuring a stable supply of high-quality iron ore products for steel production.



The project builds on own raw material base of Metinvest, modern production infrastructure and access to energy resources, ensuring a fast start-up and scalable production.

INITIATOR:

LLC" METINVEST
NORTHERN IRON ORE"

<https://metinvestholding.com>



DURATION:



5 years

REQUIRED INVESTMENT
CAPITAL:



\$527 mln



PROJECT GOALS:

- ▶ modernization of facilities for producing high-quality iron ore DR-pellets, which will increase export potential of Ukraine by supplying products to the EU market;
- ▶ DR-pellets are necessary for the direct reduction of iron, which is an alternative to the traditional blast furnace process. They are the precondition for reducing energy consumption and the carbon footprint in steel production;
- ▶ increasing competitiveness in the green steel production segment and integration into European supply chains for iron ore and metallurgical products with a low carbon footprint;
- ▶ creation of 170 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

on request

on request

Internal rate of return (IRR)

on request

Revenue

on request

Payback Period (PP)

on request



TECHNICAL PARAMETERS OF THE PROJECT

- Planned production capacity:
4 million tons of pellets for direct iron recovery per year.
- Product type: DR-grade pellets with high iron content, intended for the production of low-carbon steel.
- Raw material base: own iron ore from operating mining site of Metinvest in Kryvyi Rih.
- Infrastructure: existing production facilities, electricity and gas supply, railway logistics.
- Technological partners: Primetals or Metso.
- Environmental efficiency: the application of best available technologies and practices to minimize environmental impact.
- Readiness stage: design phase – 2026, operational start – by 2030.

Project location:

the city of KryvyiRih.

Mechanisms for cooperation:

- Debt financing (IFIs, commercial banks) and;
- project financing : (65%-75%).



ADDITIONAL INFORMATION

LLC" METINVEST NORTHERN IRON ORE" is one of the largest vertically integrated mining and steel businesses in Europe with core assets located in Ukraine. The Group manages major stages of the steel value chain, including mining and processing iron ore, producing coke, and manufacturing semi-finished and finished steel products.

Project status: feasibility assessment.

Alignment with the sustainable development goals:

The project is based on a hybrid power generation model combining gas-fired and solar generation. Gas units operate flexibly in a peak-shaving mode, generating electricity when market prices (including transmission and distribution costs) exceed the cost of in-house generation. Solar capacity provides low-cost electricity during daylight hours, reducing overall energy procurement costs and exposure to price volatility. This model delivers direct cost savings versus grid electricity, improves operational efficiency, and supports decarbonization by reducing the carbon intensity of power consumption in line with evolving environmental standards



DIA DNIPROPETROVSK
INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **OIha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: o.kozlytska@dia.dp.gov.ua

PRODUCTION OF LOW CARBON EMISSIONS SLABS



The project provides for the construction a new continuous casting machine (CCM) and a new electric arc furnace (EAF) to enable production of low-carbon emission steel slabs.

The Project aims to restore production of merchant slabs in Ukraine using low-carbon emission technology through a two-stage investment programme at Kamet Steel

Stage 1. Construction of a new CCM with an annual capacity of 2.5 mt of steel slabs

Stage 2. Installation of an EAF to produce up to 1.7 mt per year of low-carbon emission crude steel

INITIATOR:

LLC "METINVEST
KAMET STEEL"



<https://metinvestholding.com/ua>

DURATION:



6 years

REQUIRED INVESTMENT
CAPITAL:



\$1100 mln



PROJECT GOALS:

► to restore production of merchant slabs in Ukraine using low-carbon emission technology and provides essential feedstock for construction and infrastructure development, strengthening the country's metallurgical value chain and advancing integration into the EU's green industrial ecosystem.

► creation of 62 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Own floating assets: \$385 mln

Net present value (NPV)

on request

Internal rate of return (IRR)

on request

Payback Period (PP)

on request

EBITDA (annually)

on request

Revenue

on request



TECHNICAL PARAMETERS OF THE PROJECT

Stage 1 – CCM construction. Installation of a new CCM and vacuum degasser to enable slab casting from the existing BOF shop, restoring merchant slab production in Ukraine with a capacity of 2.5 mtpa.

Stage 2 – EAF construction. Installation of a modern EAF with supporting infrastructure, including a ladle furnace and vacuum degasser, to produce steel from scrap using electricity. The EAF will partially replace existing BOF capacity and reduce CO₂ emissions by around 75%. The technology is well proven and aligned with the EU's decarbonisation pathway.

Main process equipment suppliers are expected to include leading European technology providers such as Danieli (Italy), Primetals (Austria), and SMS Group (Germany).

Project location:

the city of Kamianske, Dnipropetrovsk Region.

Mechanisms for cooperation:

- Debt financing (IFIs, commercial banks) and
- Project financing



ADDITIONAL INFORMATION

LLC "METINVEST KAMET STEEL":

Metinvest is one of the largest vertically integrated mining and steel businesses in Europe with core assets located in Ukraine. The Group manages major stages of the steel value chain, including mining and processing iron ore, producing coke, and manufacturing semi-finished and finished steel products

•Project is a part of energy efficiency program of Metinvest Group which is focused on implementation modern production waste management technologies.

•Core Products / Services:
Iron ore concentrate and pellets, flat and long steel products, billets, pig iron and coke

Project status: Feasibility assessment.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **OIha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: o.kozlytska@dia.dp.ua

MODERNIZATION OF SEAMLESS PIPE PRODUCTION



The purpose is to improve the efficiency, precision and energy efficiency of the production of titanium, nickel, and stainless steel pipes for high-tech (aerospace, energy, petrochemical and medical fields).

INITIATOR:

**LLC "OSCAR
Production Group"**

<https://www.oscar-tube.com.ua>



DURATION:



3 years

REQUIRED INVESTMENT
CAPITAL:



\$20 mln



PROJECT GOALS:

- ▶ increasing production capacity to ensure stable production of seamless pipes made of titanium, nickel and stainless alloys;
- ▶ improving the technological level of production by modernizing equipment and introducing new energy-efficient technologies for hot pressing and cold working;
- ▶ ensuring compliance with international quality and safety standards for access to EU and US markets and increase in the volume of exports of high value-added products;
- ▶ creation of 70 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Own floating assets: \$4mln

Net present value (NPV)

\$16 mln

Revenue (5th year)

\$24 mln

Internal Rate of Return (IRR)

20.2%

Payback Period (PP)

6 years

EBITDA (5th year)

\$6.6 mln



TECHNICAL PARAMETERS OF THE PROJECT

- Main technological equipment:
 - a new press line for hot pressing of billets;
 - a bright annealing furnace with an energy-efficient heat recovery system;
 - a cold working line with high pipe geometry accuracy;
 - automated quality control system and digital monitoring of production parameters;
 - test benches for checking the mechanical and thermal characteristics of finished pipes.
- Product standards: compliance with international industry standards for high-precision pipe production.

- Recommended applications: aerospace, energy, petrochemical, medical and mechanical engineering industries.
- Environmental efficiency: the implementation of energy-saving heat treatment technologies and heat recovery systems reduces energy consumption and CO₂ emissions in the production cycle.

Project location:

the city of Dnipro.

Mechanisms for cooperation:

- involvement of credit resources, grant funds and direct investments;
- financial partnership;
- other opportunities of cooperation.



ADDITIONAL INFORMATION

LLC "OSCAR Production Group":

one of the leading Ukrainian manufacturers of high-tech metal pipes for the industrial and energy sectors. The company combines modern European metal processing technologies, engineering accuracy and many years of experience in the field of materials science.

Project status: conception.

Alignment with the sustainable development goals:



• The implementation of the project will provide for the creation of a modern production complex for the production of seamless pipes made of titanium, nickel alloys and stainless steel. The enterprise has the necessary infrastructure and technical base for the development of new capacities.

• LLC "OSCAR Production Group" specializes in the production of precision cold-formed pipes for critical applications that require high strength, exact tolerances and exceptional material integrity. The expertise of the company provides reliable solutions for industries with the highest technical and safety requirements for aerospace, energy, petrochemical, medical and mechanical engineering.

• The implementation of the project will increase the level of localization of high-tech production in Ukraine, grow export potential and strengthen the position of the company in international markets.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

FLAT GREEN ROLLED STEEL PRODUCTION



The project provides for the construction of a new facility for the production of flat green rolled steel based on an electric arc furnace on the territory of an existing metallurgical plant in the city of Dnipro.

The implementation of the project will increase steel production by 1 million tons per year and enable the production of low-carbon hot-rolled coils using directly reduced or hot-briquetted iron from green hydrogen and scrap metal.



The project aims to replace imports of flat rolled products on the domestic market, develop high-tech and energy-efficient production and reduce CO₂ emissions.

INITIATOR:



LLC "INTERPIPE UKRAINE"

<https://interpipe.biz/>

DURATION:



5 years

REQUIRED INVESTMENT
CAPITAL:



\$1 000 mln



PROJECT GOALS:

- ▶ production of low-carbon hot-rolled steel using green hydrogen and scrap metal.
- ▶ reducing CO₂ emissions and introducing energy-efficient technologies.
- ▶ replacing imported flat rolled products on the domestic market and expanding exports of green steel to the EU and Middle East markets.
- ▶ integration of Ukrainian metallurgy into the European green supply chain, development of industrial cooperation and implementation of energy-efficient production principles.
- ▶ creation of 150 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

on request

Profitability Index (PI)

on request

Internal rate of return (IRR)

on request

Payback Period (PP)

8 years

EBITDA (2th year)

\$300 mln

Revenue (2th year)

\$1 600 mln



TECHNICAL PARAMETERS OF THE PROJECT

- Production capacity: up to 1 million tons of steel per year.
- Key technological elements:
 - electric arc furnace;
 - continuous steel production line;
 - hot rolling mill;
 - system for preparing directly reduced and hot-briquetted iron received by hydrogen;
 - energy hub with possibility of using renewable energy, in particular green hydrogen.
- Raw material: directly reduced or hot briquetted iron and scrap metal.
- Products: low-carbon hot-rolled coil.

- Environmental efficiency: a 70–80% reduction in CO₂ emissions compared to blast furnace production; no coking process or blast furnace gas; use of “green” hydrogen and scrap metal; enclosed water supply and air purification cycles.

Project location:

the city of Dnipro.

Mechanisms for cooperation:

- involvement of credit resources, grant funds and direct investments.
- financial partnership.
- other opportunities of cooperation.



ADDITIONAL INFORMATION

Company info LLC “INTERPIPE UKRAINE”:

The INTERPIPE Group brings together modern metallurgical and mechanical engineering enterprises in the cities of Dnipro, Nikopol and Samara, specializing in the production of steel pipes, railway wheels and flat rolled products. The company exports its products to more than 80 countries worldwide, ensuring stable supplies to the markets of the EU, the Middle East, North America and Asia.

Project status: concept. All necessary local permits for steel production are available.

Alignment with the sustainable development goals:



- The project is based on the use of domestically produced iron ore raw materials, considering the strategic plans of Ukrainian mining companies regarding the production of directly reduced and hot-briquetted iron. A significant share of the charge will consist of scrap metal, which will help reduce production costs, decrease the carbon footprint and increase technological flexibility.

- The final product is flat-rolled steel, aimed at import replacement in domestic use and exports of green steel to the EU and Middle East markets.

- The key economic advantages are access to the raw material base of Dnipropetrovsk region and existing industrial infrastructure, which reduces the time and cost of project implementation.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

INCREASE IN PRODUCTION OF RAILWAY WHEELS, WHEELSETS AND AXLES FOR ROLLING STOCK

The project provides for modernization and increase of production capacity for railway wheels, wheelsets and axles at the existing production complex in the city of Dnipro.

The implementation includes the creation of new heat treatment areas and radial forging sections, machining of wheels, assembly of wheelsets and modernization of the infrastructure of the enterprise.



The aim of the project is to increase production volumes, improve product quality and level of localization, fulfil the demand of Ukrainian and foreign railway operators.

INITIATOR:



LLC "INTERPIPE UKRAINE"

<https://interpipe.biz/>

DURATION:



3 years

REQUIRED INVESTMENT CAPITAL:



\$120 mln



PROJECT GOALS:

- ▶ modernization and increase of production capacity for production of wheels, wheelsets and axles for rolling stock;
- ▶ improving product quality to European standards and extending the product range;
- ▶ replacement of imports of components for Ukrainian rail transport;
- ▶ increasing the export potential of products to the EU, Middle East and Asian markets;
- ▶ creation of 150 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$35.7 mln

Internal rate of return (IRR)

45%

Payback Period (PP)

2.5 years

EBITDA (5th year)

\$117 млн

Revenue (5th year)

\$320 mln



TECHNICAL PARAMETERS OF THE PROJECT

- Creation of new production section:
 - wheel heat treatment section;
 - wheel machining section;
 - inspection and testing lines;
 - radial-forging section to improve steel properties;
 - wheelset assembly section;
 - furnaces for axle heating and heat treatment.
 The project also provides for the modernization of engineering and transport infrastructure of the enterprise.
- Environmental efficiency: using energy-saving heat treatment tech, reducing gas and electricity use, switching to closed cooling cycles.

- Readiness stage: preparation of technical and economic feasibility study and consideration of technological solutions with the involvement of international partners.

Project location:

The city of Dnipro.

Mechanisms for cooperation:

- involvement of credit resources, grant funds and direct investments.
- financial partnership.
- other opportunities of cooperation.



ADDITIONAL INFORMATION

Company info LLC "INTERPIPE UKRAINE":

The INTERPIPE Group brings together modern metallurgical and mechanical engineering enterprises in the cities of Dnipro, Nikopol and Samara, specializing in the production of steel pipes, railway wheels and flat rolled products. The company exports its products to more than 80 countries worldwide, ensuring stable supplies to the markets of the EU, the Middle East, North America and Asia.

Project status: concept.

Alignment with the sustainable development goals:



- The project is based on the production of high-quality railway wheels, wheel sets and axles for various types of rolling stock, focused on the needs of national and international railway operators.

- Income will be generated through direct sales, individual orders and long-term contracts, which will ensure stable financial results and risk diversification. Sales growth will be achieved through increasing production capacity and entering new markets.

- The clients of the company include leading global oil and gas corporations, mechanical engineering companies, developers, and international holdings producing and repairing railway rolling stock.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

CONSTRUCTION OF A NEW HOT-DIP GALVANIZING LINE FOR STEEL WIRE



The project involves the construction of a new energy-efficient hot-dip galvanizing line for steel wire at the production facilities LLC "DNIPROMETYZ TAS" in the city of Dnipro. The existing production base of the enterprise ensures technical readiness and allows the implementation of the investment project to begin as soon as possible.

The project will reduce production costs, increase output to 24,000 tons per year and diversify products in the higher value-added segment.



The aim is to increase production efficiency, reduce energy costs and transition to the production of high-quality wire with a diameter of 0.7–5.0 mm for the cable industry, building, agriculture and fencing systems.

INITIATOR:



LLC "DNIPROMETYZ TAS"
<https://dniprometyz.com/>

DURATION:



3 years

REQUIRED INVESTMENT
CAPITAL:



\$4.4 mln



PROJECT GOALS:

- ▶ reduce energy consumption and costs per unit of production by introducing modern energy-efficient equipment and technologies for controlling coating thickness;
- ▶ expansion of the product range in the segment of high-quality wire with increased added value;
- ▶ entry into new export markets – the EU, North America, and the Middle East;
- ▶ increasing the competitiveness of the enterprise and strengthening Ukraine's position in the field of metal products manufacturing with deep processing;
- ▶ creation of 30 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Initiator contribution to the project implementation: \$0.9 mln

Net present value (NPV)

\$1.7 mln

EBITDA (annually)

\$0.9 mln

Internal rate of return (IRR)

27%

Revenue (annually)

\$1.4 mln

Project start-up period

1.5 years

DPP (years)

5.7



TECHNICAL PARAMETERS OF THE PROJECT

- Prepared production infrastructure:
 - plant, power networks, communications lines and engineering systems.
- Projected capacity of the line: 24,000 tons of finished products per year.
- Product range: wire with a diameter of 0.7 to 5.0 mm made of low-carbon, medium-carbon and high-carbon steel.
- Coating type: • standard or extra zinc coating (hot-dip galvanizing).
- Technological equipment: new energy-saving furnace and zinc coating baths with automatic temperature and energy consumption control system.
- Quality control system: real-time measurement of coating thickness on each of the 45 wire strands.

- Automation: high, with the possibility of digital monitoring of production parameters.
- Environmental efficiency: reducing emissions and energy consumption by using modern energy-saving technologies.

Project location:

The city of Dnipro.

Mechanisms for cooperation:

- involvement of credit resources, grant funds and direct investments;
- financial partnership;
- other opportunities of cooperation.



ADDITIONAL INFORMATION

Company info LLC "DNIPROMETYZ TAS":

a leading Ukrainian manufacturer of steel wire and wire products (welding wire, sectional fences, fasteners). The company has modern equipment, a certified quality management system (ISO 9001:2015) and exports its products to more than 25 countries.

Project status: ready for implementation.

Alignment with the sustainable development goals:



• Due to the use of modern energy-efficient equipment, the enterprise will be able to improve the quality of coating, reduce metal and energy consumption, and ensure stable production even under increased load conditions.

• The new line will form the basis for the transition from the production of wire for fencing to high-margin products for the cable industry, with exact control of the zinc coating thickness on each of the 45 wires.

• This is another stage in the technological modernization of the enterprise following the installation in 2023 of seven Italian drawing lines, which have already expanded steel wire production capabilities.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

CONSTRUCTION OF A NEW FACILITY FOR THE PRODUCTION OF ELECTRIC PUBLIC TRANSPORT



The project provides for the construction of a new facility for the production of electric public transport. The enterprise plans to organize a full cycle of electric rolling stock production, including welding of bodies, assembly of electrical systems and testing of finished equipment.

The project is focused on the development of Ukrainian electric transport production, with localization of components.



The production capacity of the facility will be up to 100 transport units per year, including trams, electric buses and other rolling stock for urban and suburban electric transport systems.

INITIATOR:



LLC "TATRA-YUG"

<https://tatra-yug.com.ua/>

DURATION:



2 years

REQUIRED INVESTMENT
CAPITAL:



\$33 mln



PROJECT GOALS:

- ▶ construction of a modern electric public transport production facility;
- ▶ increase the level of production localization to 60–95%, depending on customer needs;
- ▶ providing Ukrainian cities with modern, energy-efficient and environmental transport, reducing emissions in the transport sector and improving the quality of urban mobility;
- ▶ development of exports of electric transport in Ukraine;
- ▶ supporting green transition and climate goals in Ukraine;
- ▶ creation of 270 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Initiator contribution to the project implementation: \$3 mln

Net present value (NPV)

\$142 mln

Revenue (5th year)

\$109 mln

Internal rate of return (IRR)

42%

Payback Period (PP)

4 years

EBITDA (5th year)

\$26 mln



TECHNICAL PARAMETERS OF THE PROJECT

- Construction of an industrial complex with an area of: 30,000 m²
- Main technological equipment:
 - 10 portal cranes with a lifting capacity of 10–20 tons;
 - painting and shot blasting machines;
 - modern welding and metalworking facilities;
 - energy-saving systems and test benches.
- Level of production localization: 60–95%, depending on customer needs.
- Environmental efficiency: reducing CO₂ emissions and noise level in cities through the production of electric public transport and the use of energy-saving technologies.

- Readiness stage: project concept, preparation of a feasibility study (FS) and selection of a land plot for possible placement of the plant within the IP.

Project location:

the city of Dnipro.

Mechanisms for cooperation:

- involvement of credit resources, grant funds and direct investments;
- financial partnership;
- other opportunities of cooperation.



ADDITIONAL INFORMATION

LLC "TATRA-YUG":

LLC "TATRA-YUG" is Ukrainian mechanical engineering company with many years of experience in the production of trams and other electric public transport. The company participates in programmes of transport system modernization in main Ukrainian cities and implements international contracts.

Project status: conception.

Alignment with the sustainable development goals:



- The implementation of this project will support the development of electric transport in Ukraine, improve the energy efficiency of public transport and help to achieve the environmental and climate goals of the country in cooperation with the EU.

- The main partners are municipal transport companies in Ukraine CE "Odessmiskelektrotrans", CE "Kyivpastrans" as well as foreign customers, particularly from Egypt, with whom the company has current contracts.

- The project will have a positive economic and social impact, creating up to 270 new jobs, developing related industries such as mechanical engineering, electronics and electrical engineering and increasing the share of Ukrainian production in the field of electric transport with a localization level of up to 95%.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

SERIAL PRODUCTION OF AUTOMATIC WELDING MACHINES



The project provides for the development and serial production of a new generation of automatic welding machines designed for automatic welding of metal structures and parts.

The development will cover the entire cycle of work, from the design and manufacture of key components to testing and preparation for serial production.



Implementation of the project will be based on the existing production capacities of the enterprise, which will provide technical readiness, cost optimization and reduction of completion times.

INITIATOR:



PJSC ME "TEKHMAH"

<https://techmash.dp.ua/en/>

DURATION:



3 years

REQUIRED INVESTMENT
CAPITAL:



\$2.5 mln



PROJECT GOALS:

- ▶ promote the development of innovative mechanical engineering and improve the technological level of Ukrainian industry;
- ▶ develop and implement a modern automatic welding machine for industrial use.;
- ▶ create a competitive Ukrainian product capable of entering foreign markets and strengthening the export potential of the industry;
- ▶ improve the efficiency and accuracy of welding processes through their automation;
- ▶ creating up to 18 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$0.5 mln

Revenue (5th year)

\$1.2 mln

Internal rate of return (IRR)

21%

Payback Period (PP)

5 years

EBITDA (5th year)

\$0.5 mln



TECHNICAL PARAMETERS OF THE PROJECT

- PJSC "TEKHMASH" has its own engineering team and production base, which ensures readiness for the development and production of innovative automatic welding machines.

- Environmental efficiency: the use of automatic welding machines in production will reduce energy consumption compared to traditional welding equipment. Optimizing welding modes reduces material loss and waste.

- Readiness stage: conceptual study is complete and technical parameters of the innovative development have been determined.

Project location:

the city of Dnipro.

Mechanisms for cooperation:

- involvement of credit resources, grant funds and direct investments;
- financial partnership;
- other opportunities of cooperation.



ADDITIONAL INFORMATION

PJSC "TEKHMASH" is a production company with many years of experience in the field of technological equipment installation and mechanical engineering. Among other things, the company manufactures customized industrial equipment. The company has an engineering and design department, qualified personnel and production base, which allows it to implement a full production cycle from design to serial production. It actively works with Ukrainian and international industrial companies, providing high-quality innovative solutions for the metallurgical, mechanical engineering and energy sectors.

Alignment with the sustainable development goals:



- The automatic welding machines developed by the company will be used in the production and repair of metal structures, mechanical engineering, energy, transport and construction equipment, also in metallurgical and industrial enterprises where high accuracy, productivity and repeatability of welding cycles are needed.

- This innovative technology will decrease the labor intensity and time needed for welding, as well as ensure product quality regardless of human factors.

- Using modern control systems and tech, the machines from PJSC "TEKHMASH" can handle different types of materials and metal thicknesses, making them a universal solution for industrial companies in Ukraine and potential foreign customers.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

EXPANDING 3D CONCRETE PRINTING IN UKRAINE



The project involves expanding and implementing innovative production of decorative and architectural building products made of concrete using 3D printing for urban planning, landscape design, and construction.



"The project will be implemented at the existing production facilities of ADT Print, which include a self-developed 3D concrete printer, specialized equipment, and our own innovative technologies.

INITIATOR:



LLC "ADT"

<https://www.adtprint.com/>

DURATION:



1 years

REQUIRED INVESTMENT
CAPITAL:



\$1.3 mln



PROJECT GOALS:

- ▶ expanding production capacity by increasing the number of 3D printers and upgrading equipment;
- ▶ upscaling the production of decorative and architectural concrete products using 3D printing;
- ▶ access to new regional and international markets for concrete products;
- ▶ creation of new directions, in particular the use of 3D printing in construction;
- ▶ development of innovative solutions in the fields of urban planning, small architectural forms and construction using 3D concrete printing technology;
- ▶ creation of 6 new jobs.



PROJECT ECONOMIC INDICATORS

Equity Value

\$0.25 mln

Discounted payback period (DPP)

2.5 years

Average gross sales over 2 years

\$0.12 mln

Current investment capital

\$0.42 mln

PROJECT TECHNICAL PARAMETERS



- LLC "ADT" (ADT Print) has its own engineering and design department and a team of qualified professionals
- 3D printer capable of printing concrete products up to 5 meters high and 3 meters wide
- established partnerships with architects and designers
- company-owned production facilities for manufacturing concrete products

Project location:

the city of Dnipro.

Mechanisms for cooperation:

- involvement of direct investment;
- partner equity participation in corporate funding
- involvement of grant funds.



ADDITIONAL INFORMATION

About LLC "ADT" (ADT Print):

The 3D printing technologies designed by the company are used in the manufacture of small architectural forms, landscaping elements, planters, benches, and decorative structures. This innovative technology significantly reduces production time, minimizes labor intensity, and ensures high precision and consistency in products regardless of design complexity.

Due to its proprietary technical solutions and software, the company is able to customize the technical process to meet the individual needs of customers, implement non-standard design solutions, and scale production for the Ukrainian and international markets.

3D Concrete Printing technologies are environmentally efficient, allowing for the optimization of concrete mix usage, a reduction in production waste, and lower energy consumption compared to traditional methods of manufacturing concrete structures.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Olha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

GREEN EAF STEELMAKING



Nowadays, ARCELORMITTAL KRYVYI RIH PJSC steelmaking facility is based on Blast Furnace – Basic Oxygen Furnace (BF & BOF) route.

■ This project is to construct new scrap based Electric Arc Furnace (EAF) at existing Steelmaking Shop with its capacity augmentation +1 Mtpa with “green steel” route.



The project involves expanding and modernising existing steelmaking operations to support greener steel production and strengthen market positioning in Europe. The project will also create new jobs and enhance long-term competitiveness.

INITIATOR:

**“ARCELORMITTAL
KRYVYI RIH PJSC”**



<https://ukraine.arcelormittal.com/>

DURATION:



4 years

REQUIRED INVESTMENT
CAPITAL:



\$200 mln



BUSINESS MODEL:

- The project generates revenue through the sale of green steel billets and finished long products to industrial and construction customers, mainly in the EU and domestic markets. Sales are expected to be based on medium- to long-term supply contracts complemented by spot sales, leveraging existing customer relationships and logistics infrastructure. Strong margins are supported by scrap-based production, competitive costs, and growing demand for low-carbon steel products.

INCENTIVES:

Applications to be submitted. The project is expected to benefit from sustainability-related incentives supporting green industrial investments, including potential tax benefits, preferential financing, and grant or low cost loan programs linked to decarbonisation.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$342.6 mln

Project launch period

TBD

Internal rate of return (IRR)

40,5%

DPP

6 years

EBITDA (2th year)

\$124.7 mln

Revenue (2th year)

\$124.7 mln



TECHNICAL PARAMETERS OF THE PROJECT

The project is based on electric arc furnace technology using scrap as the primary input. It applies hot metal independent steelmaking integrated into existing facilities, with billet casting and downstream rolling. Best-practice solutions from ArcelorMittal Group will be used

Target Market:

The project serves B2B customers in construction and industrial segments. The primary sales market is the EU, supported by domestic sales in Ukraine, with a focus on countries demanding low-carbon steel products.

Products & Capacity: EAF Liquid steel (green route) – approximately +1 Mtpa. Steel billets production aligned with current Ladle Furnace and Continuous Casting (LFCC) capacity. Long steel products (rebars, merchant bars, wire rod) – existing downstream capacity.

Project location:

the city of Kryvyi Rih, Dnipropetrovsk Region

Mechanisms for cooperation:

- blended / single sourced



ADDITIONAL INFORMATION

ArcelorMittal Kryvyi Rih (AMKR) is Ukraine's largest integrated iron and steel producer, operating since 1934, before the war capacity - 6.0 Mtpa of crude steel, current operating capacity: circa 8.0 Mtpa of Iron Ore Concentrate, circa 3.0 Mtpa of hot metal, 3.0 Mtpa crude steel. The company employs over 12 000 people.

Project status:

- Concept / Pre-feasibility study ongoing.
- Land leased by the company

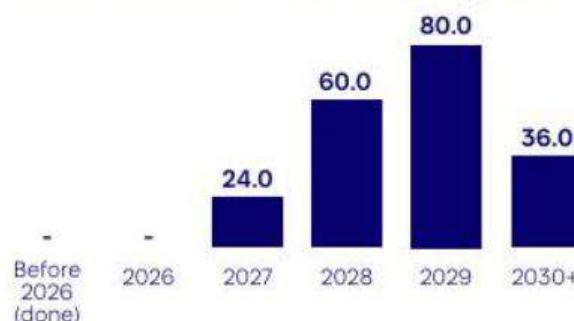
Alignment with the sustainable development goals:



Core Products / Services:

- Iron Ore Concentrate
- Coke and chemical by-products - from integrated coking operations
- Sinter
- Pig Iron
- Square Billets
- Long steel products (wire rod, rebars, spooled rebar, merchant bars).

INVESTMENTS IN THE PROJECT, \$ MLN



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Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: o.kozlytska@dia.dp.ua

ELECTRIC STEEL MELTING COMPLEX (ESMC)



Дніпровський металургійний завод



The project involves the construction of a modern, high-tech electric steelmaking complex (ESCC) on the premises of the existing Dneprovsk Metallurgical Plant in the city of Dnipro. The project will enable the production of 600,000 tons per year of environmentally safe, high-quality continuously cast billets to supply the plant’s own needs.

Проект спрямований на створення гнучкого та енергоефективного виробництва сталі з низьким вуглецевим слідом ("зелена сталь").

INITIATOR:
PJSC "Dneprovsk Metallurgical Plant"

<https://dmz-petrovka.dp.ua/>

DURATION:

3 years

TOTAL PROJECT COST:

\$73 mln

PROJECT GOALS:

- ▶ decarbonization of production: a significant reduction in CO₂ emissions (by ~80%) compared to the traditional blast furnace process, in accordance with EU CBAM requirements;
- ▶ ensuring internal demand for high-quality continuously cast billets;
- ▶ improving energy efficiency and production flexibility;
- ▶ the creation of up to 500 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)	Payback Period (PP)
\$15 mln	7 years
Income (5th year)	EBITDA (5th year)
\$290 млн	\$51 mln
Internal rate of return (IRR)	
26%	



TECHNICAL PARAMETERS OF THE PROJECT

Production capacity: up to 600000 tons per year of continuously cast billets.

Main equipment:

- electric arc furnace with a continuous charge/scrap delivery system;
- "furnace-ladle" unit;
- continuous casting machine (CCM).

Raw materials: scrap metal or hot-briquetted iron.

Environmental efficiency: a reduction in CO₂ emissions of approximately 80% compared to the blast furnace-converter process.

Infrastructure: a brownfield project—construction on the premises of the existing "Dneprovsk Metallurgical Plant" (DMP) in the city of Dnipro.

Readiness stage: the project concept and feasibility study have been developed; preliminary design studies have been conducted; a site has been designated within the existing plant of PJSC "DMP" and commercial offers for the main equipment have been received.

Project location:

the city of Dnipro

Mechanisms for cooperation:

- involvement of credit resources, grant funds and direct investments;
- financial partnership;
- other opportunities of cooperation.



ADDITIONAL INFORMATION

PJSC "Dneprovsk Metallurgical Plant" is part of the DCH Group and is managed by DCH Steel. DMP is an integrated metallurgical complex that has been in operation since 1887. It produces up to 1.2 million tons of steel per year, including long products for more than 50 countries. The plant combines a full production cycle with the group's iron ore mines and holds a 50% share of the domestic market in key construction distribution channels.

The construction of the electric steelmaking complex will supply the DMP rolling mill with high-quality semi-finished products. The electric steelmaking complex construction project is a key step in the transition to "green steel" production, which aligns with the priorities of the European Green Deal and the requirements of the EU's Steel Action Plan.

Project status: the preliminary feasibility study.

Consistency with the sustainable development goals:



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Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Olha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: o.kozlytska@dia.dp.ua

SHYMANIVSKE IRON ORE PROJECT PHASE 1



This project is to construct of the Shymanivske iron ore deposit to build a modern mining and processing plant to produce ultra-high-grade iron ore concentrate with 68% Fe content. There is an offtake and funding agreement with Anglo-American-Teck.



INITIATOR:

"SHYMANIVSKE STIL" LLC

<https://blackiron.com/>



DURATION:

4 years



REQUIRED INVESTMENT
CAPITAL:

\$550 mln



INCENTIVES:

- Low Price for Huge Upside Opportunity – Black Iron's project represents a potential \$1.7 billion asset that currently trades at a market capitalisation of only ~\$25 million. Premium Product in Supply Deficit – the 68% iron content product planned to be produced ranks in the top 4% globally, results in ~30% lower emissions to produce steel and is predicted to be in supply deficit by market intelligence firm CRU.



KEY PARTNERS:

- Anglo American | Offtake & Construction | Great Britain; Finnvera | Financing | Finland; Export Development Canada | Financing | Canada.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$1850 mln

Project launch period

2.5 years

Internal rate of return (IRR)

40,5%

DPP

2.9 years

EBITDA (1th year, PHASE 1)

\$250 mln

Revenue (1th year, PHASE 1)

\$439 mln



TECHNICAL PARAMETERS OF THE PROJECT

Metallurgical laboratories and pilot testwork achieved the desired quality of concentrate and demonstrate that by using the designed process flowsheet it is possible to recover a saleable magnetite from Shymanivske ore. In order to produce concentrate with the desired specification, the ore mined will be processed through stage crushing, stage grinding, low-intensity magnetic separation and sulphide flotation. Main equipment includes:

a) mining - haul trucks, cable shovels, production drills, wheel loaders, track dozers, wheel dozers, road graders, water trucks, cable reelers;

b) processing – primary gyratory crusher, secondary cone crushers, high pressure grinding rolls (HPGR), low intensity magnetic separators (LIMS), ball mills, rougher magnetic separation (RMS) units, tower mills, cleaning magnetic separation (CMS) units, finisher magnetic separation (FMS) units, thickeners and other equipment. Expected suppliers may include Caterpillar, Komatsu, Metso, Weir Minerals, FLSmidth, or other established mining & processing equipment manufacturers

Project location:

the city of Kryvyi Rih, Dnipropetrovsk Region

Mechanisms for cooperation:

- Debt (loan/bonds) 60%, Equity 40%



ADDITIONAL INFORMATION

Black Iron Inc. – is a public Canadian iron ore company listed on the Toronto Stock Exchange (TSX:BKI). BKI operates in Ukraine through its 100% owned subsidiary Shymanivske Steel LLC.

Core Products / Services:

Black Iron's principal business is construction of the Shymanivske iron ore deposit to construct a modern mining and processing plant in the Dnipropetrovsk Region of Ukraine.

Project status:

- Bankable Feasibility Study (BFS);
- Preliminary Economic Assessment (PEA).

Alignment with the sustainable development goals:



The Shymanivske project offers high economic margins and significant production upside potential thanks to its close proximity to railway, power, deep seaports and local skilled labour to produce an ultra high-grade, lower emission, 68% iron ore content product. The deposit is located in central Ukraine, with a total of five operating open pit iron ore mines in the area. The plant will produce 4 Mtpa (8 Mtpa for Phase 2) of 68% iron ore concentrate for export to the EU, the Middle East and Asia markets. Revenue will be generated through product sales to industrial buyers under long-term contracts through an offtake and financing agreement with Anglo-American-Teck.

DIA DNIPROPETROVSK
INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

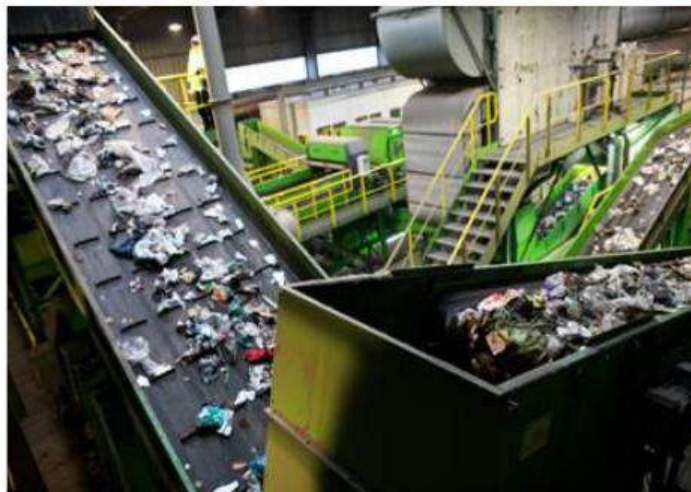
Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: o.kozlytska@dia.dp.ua

COMPLEX FOR THE PROCESSING, NEUTRALIZATION AND STORAGE OF MUNICIPAL SOLID WASTE

Construction of a waste processing plant with a capacity of 300 thousand tons of mixed waste per year, which meets high quality standards, similar to those built in the EU countries.



As a result of the complex's exploitation, it is expected to receive:

- secondary raw materials;
- RDF fuel (there is a large cement production facility in the city);
- technical compost (for use in the recultivation of damaged soil).

INITIATOR:



Kryvyi Rih city council
<https://kr.gov.ua>

DURATION:



2 years

REQUIRED INVESTMENT
CAPITAL:



\$66 mln



PROJECT GOALS:

- ▶ reduction of solid waste disposal volumes by increasing the level of sorting, recycling, and utilization;
- ▶ production of secondary raw materials, RDF fuel, and technical compost for land reclamation;
- ▶ mitigation of the negative impact of waste on the environment and public health;
- ▶ creation of new jobs and attraction of investments in the waste management sector.



ECONOMIC INDICATORS OF THE PROJECT

The actual cost will be determined upon the completion of the project documentation



TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

area:

45.77 ha

industry land (for industrial waste processing facilities),

cadastral number is available.

Project location:

the land plot is located in the industrial zone of Metallurgical district of Kryvyi Rih.

Transport infrastructure:

- national highway – 6.5 km;
- regional road – 5.5 km.

Engineering infrastructure:

water, gas and electricity are available and do not require any additional investments.

Mechanisms for cooperation:

- investing in the project.



ADDITIONAL INFORMATION

Kryvyi Rih is the 2nd largest city in Dnipropetrovsk region and the 8th largest city in Ukraine. Its population is almost 620 000 and the total amount of municipal solid waste (MSW) is about 275 000 tons per year. Almost all of municipal solid waste (MSW) is taken to the landfill without prior processing and with minimal sorting. This creates a stable and predictable amount of raw materials for the complex.

The location has a beneficial location, developed infrastructure and strong industrial cluster which provides stable channels for cooperation and consumption of processed products in particular RDF fuel for cement plants.

The plant will be integrated, that is, it will have its own sorting station for waste, a line for the production of RDF alternative fuels and recyclables, as well as an organic waste composting plant. Local authorities with the support of DIA and EBRD performed systematic preparations:

- amended the General Plan of Kryvyi Rih, which provides for the location of municipal solid waste complex;
- allocated a land plot with an area of 45.77 ha;
- developed a feasibility study for this waste processing complex;
- conducted an environmental impact assessment and received a positive conclusion.

Alignment with the sustainable development goals:



DIA DNIPROPETROVSK
INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CONSTRUCTION OF 5 MW SOLAR POWER STATION



The project involves the construction of solar power station with the use of solar panels on the land plot with an area of 10 hectares. Planned capacity: 5 MW. Solar-radiation level: 1.375 kW/m².



INITIATOR:

MEGAVATY, Ltd.



DURATION:



6 months

TOTAL PROJECT COST:



\$5.6 mln



PROJECT GOALS:

- ▶ electricity generation from renewable sources;
- ▶ generation of environmentally safe electricity;
- ▶ reducing greenhouse gas emissions from electricity generation;
- ▶ creation of 8 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$4 mln

Profitability index (PI)

1.69

Internal rate of return (IRR)

8%

Discounted Payback Period (DPP)

5 years

EBITDA (5-th year)

\$21.2 mln

Revenue (5-th year)

\$1.5 mln



TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

area:

10 ha (5 x 2 ha);

industry land,

cadastral number is available.

Project location:

Mezhyricka TC, Dnipropetrovsk region.

Engineering infrastructure:

- distance to the electric power substation «Mineralna» with capacity 150/35/10 is 1,5 km;
- electric power substation owner – «Ukrzaliznytsia» PJSC (Pridniprovska Railways).

Mechanisms for cooperation:

- proprietary funds – 30%;
- potential investor – 70%.

According to the project:

- land plot in private ownership;
- the solar power plant construction draft was prepared;
- a feasibility study has been developed;
- an agreement with «Ukrzaliznytsia» PJSC (Pridniprovska Railways) on connection to the electric network has been concluded;
- declaration for the construction beginning was received.

Transport infrastructure:

distance to:

- European highway E50 – 1.5 km;
- paved road of Karabynivka village – 5 m;
- Mineralna railway station – 1.2 km;
- Pavlograd city – 50 km;
- Dnipro city – 50 km.



ADDITIONAL INFORMATION

Investment incentives / regulatory environment:

Ukraine provides state support for electricity generation from renewable energy sources, specifically solar power. For commercial projects, the terms for electricity sales are governed by applicable legislation and resolutions of the National Energy and Utilities Regulatory Commission (NEURC).

The implementation of new solar power plants is subject to compliance with established procedures for construction, grid connection and the formalization of electricity sales. The final terms for grid connection and electricity sales are finalized upon project commissioning stage.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CONSTRUCTION OF 10 MW SOLAR POWER STATION

The community offers a prepared plot of land with an area of 21 hectares for the implementation of an investment project - the construction of a solar power station use of solar panels. Solar-radiation level: 1.375 kW/m².



INITIATOR:

Vakulivska TC



DURATION:



6 months

TOTAL PROJECT COST:



\$12,7 mln



PROJECT GOALS:

- ▶ electricity generation from renewable sources;
- ▶ generation of environmentally safe electricity;
- ▶ reducing greenhouse gas emissions from electricity generation;
- ▶ creation of 8-10 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)

\$8.2 mln

Profitability index (PI)

1.69

Internal rate of return (IRR)

8 %

Payback period (PP)

6 years

EBITDA

\$21.2 mln

Common benefit per year

\$2.9 mln



TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

area:

21 ha;

land designated for energy sector use;

cadastral number is available;

Project location:

Vakulivska TC, Dnipropetrovsk region.

Transport infrastructure:

- there is an access dirt and slag road;
- 1 km – territorial highway T0419 (Pyatikhatky–Zelenodolsk);
- 10.9 km – railway station "Pavlopilla";
- 65 km – international airport "Kryvyi Rih";
- the nearest cities: Apostolovo (31 km); Kryvyi Rih (35 km); Nikopol (60 km).

According to the project:

- a land management project was prepared and a cadastral number was assigned;
- the purpose of the land plot on the land of the energy industry was changed;
- a detailed plan of the territory was approved;

Mechanisms for cooperation:

- land lease and business registration on the territory of the community;
- desired participation in community social projects.

Engineering infrastructure:

- in the zone of 50-100 m – there is electricity, water and gas supply;
- 100 m – the nearest power transmission line for connection, with a capacity of 10-35 kW.
- 100 m – transformer substation.



ADDITIONAL INFORMATION

Investment incentives / regulatory environment:

Ukraine provides state support for electricity generation from renewable energy sources, specifically solar power. For commercial projects, the terms for electricity sales are governed by applicable legislation and resolutions of the National Energy and Utilities Regulatory Commission (NEURC).

The implementation of new solar power plants is subject to compliance with established procedures for construction, grid connection and the formalization of electricity sales. The final terms for grid connection and electricity sales are finalized upon project commissioning stage.

Alignment with the sustainable development goals:



DIA DNIPROPETROVSK
INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

MANEUVERABLE POWER GENERATION OF 90 MW



The Project envisages the construction of a 90 MW hybrid power generation system, combining 60 MW of gas-piston units and a 30 MW solar photovoltaic plant. They will cover up to 50% of Northern Iron Ore’s total energy demand, strengthening the plant’s energy resilience and independence, while also allowing electricity generation during high-tariff periods to optimize energy costs

INITIATOR:


LLC" METINVEST " NORTHERN IRON ORE
[llc" metinvest holding"](#)

DURATION:


1-3 years (in stages)

TOTAL PROJECT COST:


\$ 77 mln

PROJECT GOALS:

- ▶ creation of internal renewable energy generation capacities to partially cover the needs of Metinvest Group and to increase the energy independence of its enterprises;
- ▶ reducing CO₂ emissions and supporting the corporate strategy for decarbonizing production;
- ▶ optimization of the use of free industrial plots;
- ▶ improving the stability of energy supply for enterprises in regions with damaged energy infrastructure;
- ▶ creation of 30 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

Company's resources for project implementation: \$27 mln

Net present value (NPV) on request	EBITDA (annually) on request
Internal rate of return (IRR) on request	Income (annually) on request
Payback period (PP) on request	



TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity:** 110 MW.
- **Generation type:** solar photovoltaic (PV).
- **Annual electricity production:** $\approx$ 150 GWh.
- **Production sites:** several locations on free industrial plots belonging to Metinvest enterprises in Dnipropetrovsk and Zaporizhzhia regions.
- **Total area for station placement:** $\approx$ 189 ha.
- **Environmental efficiency:** reduction of CO₂ emissions, production of 150 GWh of clean energy.
- **Readiness stage:** ready for implementation, land plots with technical infrastructure are available, preliminary feasibility studies have been completed.

Project location:

The city of Kryvyi Rih

Initiator resources:

- operating enterprise located in an industrial zone with its own railroad tracks and storage facilities;
- own tractor production, where both assembly of Chinese tractors and production of own tractors and additional equipment for them are carried out;
- buildings and constructions to accommodate production, with a total area of 93,000 m²;
- a project for tractor production has been developed (requires recalculation).

Mechanisms for cooperation:

- involvement of credit resources, grant funds and direct investments;
- involvement of credit resources, grant funds and direct investments;
- other opportunities of cooperation.



ADDITIONAL INFORMATION

LLC "METINVEST" is one of the largest vertically integrated mining and steel businesses in Europe with core assets located in Ukraine. The Group manages major stages of the steel value chain, including mining and processing iron ore, producing coke, and manufacturing semi-finished and finished steel products.

Maneuverable power generation using gas-piston units and solar panels to increase energy independence. The dual-source system ensures that gas-piston units provide stable, round-the-clock generation and energy security for Northern Iron Ore, while the solar plant supplements the energy mix with renewable capacity, supporting the company's green energy transition

Project status: feasibility assessment

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: o.kozlytska@dia.dp.ua

MANEUVERABLE POWER GENERATION OF 75 MW



The Project envisages the construction of a 75 MW hybrid power generation system, combining 60 MW of gas-piston units and a 15 MW solar photovoltaic plant. Together with the existing generation, these will cover up to 60% of Kamet Steel's total energy demand, ensuring reliable operation during outages and enabling generation during peak-tariff periods.



INITIATOR:

LLC" METINVEST " KAMET STEEL

[llc" metinvest holding"](#)

DURATION:

1-3 years (in stages)

TOTAL PROJECT COST:

\$ 62 mln

PROJECT GOALS:

- ▶ creation of internal renewable energy generation capacities to partially cover the needs of Metinvest Group and to increase the energy independence of its enterprises;
- ▶ reducing CO₂ emissions and supporting the corporate strategy for decarbonizing production;
- ▶ optimization of the use of free industrial plots;
- ▶ improving the stability of energy supply for enterprises in regions with damaged energy infrastructure;

ECONOMIC INDICATORS OF THE PROJECT

Company's resources for project implementation: \$22 mln

Net present value (NPV)	EBITDA (annually)
on request	on request
Internal rate of return (IRR)	Income (annually)
on request	on request
Payback period (PP)	
on request	



TECHNICAL PARAMETERS OF THE PROJECT

Total installed capacity: 75 MW.

- Gas-piston facilities consist of six units of 10 MW each or 6×10 MW or 8×7.5 MW each, equipped with advanced automation, protection, monitoring systems, and subject to regular maintenance and reliability checks
- Solar facilities: deployed across four industrial sites (18 ha) with c.21,400 modules and c.40 inverters, featuring quarterly cleaning, inverter servicing, and continuous performance monitoring to maintain efficiency

Project location:

The city of Kamianske.

Mechanisms for cooperation:

- involvement of credit resources;
- project financing: (65%-75%);
- other opportunities of cooperation.



ADDITIONAL INFORMATION

About the company LLC "METINVEST

HOLDING: the leading company of Metinvest Group, one of the largest vertically integrated mining and metallurgical holdings in the world. The group unites enterprises with a full production cycle, from iron ore mining to the production of finished metal products. It has facilities in Ukraine, Europe and the US and supplies products to more than 100 countries worldwide.

Project status: feasibility assessment.

Alignment with the sustainable development goals:



- The project is based on a hybrid power generation model combining gas-fired and solar generation. Gas units operate flexibly in a peak-shaving mode, generating electricity when market prices (including transmission and distribution costs) exceed the cost of in-house generation. Solar capacity provides low-cost electricity during daylight hours, reducing overall energy procurement costs and exposure to price volatility. This model delivers direct cost savings versus grid electricity, improves operational efficiency, and supports decarbonization by reducing the carbon intensity of power consumption in line with evolving environmental standards.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

CONSTRUCTION OF SOLAR POWER PLANTS WITH A CAPACITY OF 25.4 MW AND ENERGY STORAGE SYSTEMS



PJSC "Kryvyi Rih Cement" is implementing a comprehensive energy project aimed at increasing energy efficiency and achieving energy independence for the company. The project involves the construction of three solar power plants (SPPs) with energy storage systems at the company's key production sites:

- at the cement plant – SPP with a capacity 24 MW with a 20 MW energy storage system;
- at the Rybalsky quarry – 1.1 MW with a 1.8 MW storage system;
- at the Khust quarry – 0.3 MW.

INITIATOR:

PJSC "KRYVYI RIH CEMENT"

<https://krcement.com/>

DURATION:

1 year

TOTAL PROJECT COST:

\$ 18 mln

PROJECT GOALS:

- ▶ ensure the energy independence of the company;
- ▶ reduce electricity expenses and decrease CO₂ emissions by 475 tons annually;
- ▶ optimize production processes through stable energy supply;
- ▶ contribute to the development of green energy and energy resilience in the region;
- ▶ create up to 30 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Company's resources for project implementation: \$5.4 mln

Net present value (NPV)	EBITDA (3-rd year)
\$ 14.4 mln	\$ 4.8 mln
Internal rate of return (IRR)	Income
22 %	Internal economic impact
Payback period (PP)	
6.8 years	



TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity of the SPP:** 25.4 MW.
- **Energy storage system capacity:** 21.8 MW.
- **Expected annual electricity generation:** $\approx$ 31 GWh.
- **Reduction in external electricity consumption:** up to 40%.
- **CO₂ emissions reduction:** $\approx$ 475 tons per year.
- **Grid connection status:** technical conditions preliminarily agreed.
- **Project readiness stage:** concept developed, feasibility study prepared, and locations determined.

Project location:

The city of Kryvyi Rih.

Mechanisms for cooperation:

- attracting credit resources, grant funding and direct investments;
- financial partnership;
- other forms of cooperation.



ADDITIONAL INFORMATION

About the company PJSC "Kryvyi Rih Cement":

is one of the leading companies in Ukraine's cement industry, providing the construction sector with high-quality products for infrastructure and industrial projects. The company consistently implements energy efficiency principles and sustainable development practices, modernizes its production facilities, and adopts environmentally safe technologies.

Project status: ready for implementation.

Alignment with the sustainable development goals:



- To enhance energy independence, the company is implementing a project aimed at significantly reducing external electricity consumption, minimizing environmental impact, and increasing the company's competitiveness.
- The implementation of the project to build solar power plants with a capacity of 25.4 MW and energy storage systems will not only reduce PJSC "Kryvyi Rih Cement's" dependence on centralized electricity sources, but also support the resilience of Ukraine's energy system in crisis situations.
- The company will independently implement the construction of solar power plants and energy storage systems, which will become an integral part of the company's energy complex. This solution will ensure the stability of production processes, optimize energy consumption, and enhance the company's energy independence.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CONSTRUCTION OF THE 4.4 MW SOLAR POWER PLANT "EKOKRAY"



"HELIOS STRATEGIA" LLC is implementing a energy project aimed at the development of renewable energy and the generation of electricity from solar power. The project involves the design and construction of a 4.4 MW solar power plant with a Battery Energy Storage System (BESS) rated at 3.6 MW / 10.3 MWh.



Ekokray SPP will be combined with a BESS. The integration with BESS enables security of electricity supply to local community, the sale of green electricity, possible, participation in balancing services, enhancing both profitability and grid reliability.

INITIATOR:



"HELIOS STRATEGIA" LLC

<https://heliosstrategia.com/>

DURATION:



3 year

TOTAL PROJECT COST:



\$ 4.85 mln



PROJECT GOALS:

- ▶ contribute to the development of green energy and energy resilience in the region;
- ▶ generation of environmentally safe electricity;
- ▶ optimization of the use of free industrial plots;
- ▶ CO₂ emissions reduction;
- ▶ create up to 10 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Company's resources for project implementation: \$0,5 mln

Net present value (NPV) (30 years, 3%)

\$ 9.2 mln

Revenue(1year - firstyearatfullcapacity)

\$ 1.11 mln

Project IRR (pre-tax)

15.89 %

Discounted Payback Period (DPP)

10.4 years

EBITDA (1year - firstyearatfullcapacity)

\$ 1,02 mln

Project launchperiod

<1 years



TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity of the SPP:** 4.4 MW.
- **Energy storage system capacity:** 3.6 MW.
- **Expected annual electricity generation:** ≈ 5.6 GWh.
- **CO₂ emissions reduction.**
- **Permits:** Where necessary, permits, land issues, and technical conditions are updated, and regular rent payments are made.
- **Current status:** Preliminary consultations with IFIs were made (IFI's recommendations: the availability of the partner will increase the chance of receiving funding). Potential partnership structure under discussion.

Project location:

Sofiyivka village, Kryvyi Rih district, Dnipropetrovska oblast

Mechanisms for cooperation:

- Attracting credit resources (loan/bonds);
- Equity, Project Finance;
- Other forms of cooperation.



ADDITIONAL INFORMATION

Helios Strategia LLC is a solar EPC company – one of the biggest solar EPC in Ukraine
Experience on the market: 15+ years
Area of activity: all territory of Ukraine and EU
The main results: 1.2 GW capacity of implemented PV projects, incl. 800+ MW in Ukraine

Helios Strategia LLC is the Ukrainian entity of the international Helios Strategia Group

Project status: ready for implementation.

Alignment with the sustainable development goals:



Core Products / Services

Design, procurement and construction Solar Power Plants with Battery energy storage system
Development for the PV projects
All kinds of services for PV Power Plants.

Target Market: Local community and National electricity market: Annual electricity consumption of 5 672 (~0.25% population of the Dnipro region), Electricity supply to the local communities, industrial facility in region and Ukrainian market; Increasing the existing total installed capacity of industrial solar generation stations in the Dnipro region (about 1136 MW) by 0.4%.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Olha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: o.kozlytska@dia.dp.ua

CONSTRUCTION OF THE 153.3 MW SOLAR POWER PLANT "HRECHANI PODY "



"HELIOS STRATEGIA" LLC is implementing a **energy project** aimed at the development of renewable energy and the generation of electricity from solar power. The project involves the design and construction of a 153,34 MW solar power plant with a Battery Energy Storage System (BESS) rated at 105 MW / 255 MWh.



Hrechani Pody SPP is a flagship project featuring SPP combined with a BESS. The integration with BESS enables not only the sale of green electricity but also participation in balancing services, enhancing both profitability and grid reliability.

INITIATOR:



"HELIOS STRATEGIA" LLC

<https://heliosstrategia.com/>

DURATION:



3 year

TOTAL PROJECT COST:



\$ 117.5 mln



PROJECT GOALS:

- ▶ contribute to the development of green energy and energy resilience in the region;
- ▶ generation of environmentally safe electricity;
- ▶ optimization of the use of free industrial plots;
- ▶ CO₂ emissions reduction;
- ▶ create up to 20 new jobs.



ECONOMIC INDICATORS OF THE PROJECT

Company's resources for project implementation: \$11.8 mln

Net present value (NPV) (30 years)

\$ 349.4 mln

Revenue (1year at full capacity)

\$ 29.2 mln

Internal rate of return (IRR)

20 %

Discounted Payback Period (DPP)

7.5 years

EBITDA (1year at full capacity)

\$ 27.8 mln

Project launchperiod

2 years



TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity of the SPP:** 153,3 MW.
- **Energy storage system capacity:** 105 MW / 255 MWh.
- **Annual production of "green" electricity** (forecast - 190 328.0 MWh), closing the current demand for additional distributed generation.
- **CO₂ emissions reduction.**

Current status: Preliminary consultations with

- IFIs were made (IFI's recommendations: the availability of the partner will increase the chance of receiving funding). Potential partnership structure under discussion.

Project location:

Hrechanopodivska community
Shirokivskyi district
Dnipropetrovska oblast

Mechanisms for cooperation:

- Attracting credit resources (loan/bonds);
- Equity, Project Finance;
- Other forms of cooperation.
- **Permits:** Where necessary, permits, land issues, and technical conditions are updated, and regular rent payments are made.



ADDITIONAL INFORMATION

Helios Strategia LLC is a solar EPC company – one of the biggest solar EPC in Ukraine
Experience on the market: 15+ years
Area of activity: all territory of Ukraine and EU
The main results: 1.2 GW capacity of implemented PV projects, incl. 800+ MW in Ukraine

Helios Strategia LLC is the Ukrainian entity of the international Helios Strategia Group

Project status: ready for implementation.

Alignment with the sustainable development goals:



Core Products / Services

Design, procurement and construction Solar Power Plants with Battery energy storage system
Development for the PV projects
All kinds of services for PV Power Plants.

Target Market: Annual electricity consumption of 181 000 peoples (~7-9% population of the Dnipro region), Electricity supply to the local communities, industrial facility in region and Ukrainian market; Increasing the existing total installed capacity of industrial solar generation stations in the Dnipro region (about 1 136 MW) by 15%.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oľha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: o.kozlytska@dia.dp.ua

CONSTRUCTION OF A SOLAR POWER PLANT WITH A CAPACITY OF 36 MW



The project involves the construction of a 36-MW solar power plant on an available site at the Dneprovsk Metallurgical Plant in the city of Dnipro

This initiative promotes Ukraine’s “green recovery” by redirecting existing industrial land toward the production of energy from renewable sources.

INITIATOR:



PJSC “Dneprovsk Metallurgical Plant”

<https://dmz-petrovka.dp.ua/>

DURATION:



1.5 years

TOTAL PROJECT COST:



\$ 21.6 mln

PROJECT GOALS:

- ▶ promoting the development of green energy and the energy sustainability of the region;
- ▶ generation of environmentally safe electricity;
- ▶ optimization of the production process through a stable energy supply;
- ▶ reduction in CO₂ emissions ≈ 25000 tons per year;
- ▶ the creation of up to 10 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV)	Payback period (PP)
\$ 2.9 mln	10.4 years
Income (2nd year)	EBITDA (2nd year)
\$ 4.9 mln	\$ 4.0 mln
Internal rate of return (IRR)	DPP
30%	9 years

TECHNICAL PARAMETERS OF THE PROJECT



- **Total installed capacity:** 36.4 MW
- **Green certificates (I-RECs):** 47000 MWh
- **Expected annual electricity generation:** ≈ 47000 MWh.
- **Environmental efficiency:** reduction in CO₂ - equivalent emissions ≈ 25,000 tons per year

Current progress: The feasibility study and site layout plan have been completed, and specifications and commercial proposals for equipment and installation have been received. The project is advancing to the final permitting phase

Project status: detailed preparation

- land plot under rent, 42.8 ha, lease agreement until 2041

Project location:
the city of Dnipro

Mechanisms for cooperation:

- attracting credit resources (loans, bonds);
- equity, project financing
- other opportunities of cooperation.



ADDITIONAL INFORMATION

PJSC “Dneprovsk Metallurgical Plant” is part of the DCH Group and is managed by DCH Steel. DMZ is an integrated metallurgical complex that has been in operation since 1887. It produces up to 1.2 million tons of steel per year, including long products for more than 50 countries. The plant combines a full production cycle with the group's iron ore mines and holds a 50% share of the domestic market in key construction distribution channels.

Key products/services:

Cast iron, square steel billets, hot-rolled long steel products, including sections and angles. The company provides a full cycle of metallurgical production, supplying high-quality structural steel to the construction and infrastructure sectors worldwide.

The project uses industrial-scale solar photovoltaic technology. The main equipment includes high-efficiency bifacial Risen modules and HUAWEI inverters, integrated with a SCADA system for real-time power supply management. Supporting equipment includes locally manufactured mounting structures and comprehensive infrastructure for connecting to the high-voltage power grid.

Project business model:

The project generates revenue from the internal sale of electricity to the “Dneprovsk Metallurgical Plant” (DMP), which significantly reduces the company's energy costs and carbon taxes. Excess generation is sold on the “day-ahead” and “balancing” markets through the DCH Group's specialized trading division.

Consistency with the sustainable development goals:



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Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oľha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

INSTALLATION OF AN ENERGY STORAGE SYSTEM



The project involves the installation of a 10 MWh battery energy storage system (BESS) at two operating mines of PJSC "SUHA BALKA" in Kryvyi Rih.

The project focuses on improving the company's energy efficiency and power independence.

INITIATOR:



PJSC "SUHA BALKA"
(DCH Group)

<https://sukhabalka.com/>

DURATION:



9 months

TOTAL PROJECT COST:



\$1.4 mln

PROJECT GOALS:

- ▶ improving the resilience of the enterprise's energy supply in the conditions of damaged energy infrastructure in Ukraine;
- ▶ reducing electricity purchasing costs;
- ▶ ensuring the company's energy independence;
- ▶ optimization of production processes through a reliable energy supply.

ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV) \$1.0 mln	Payback period (PP) 4 years
Income Internal economic impact	EBITDA (annually) \$0.5 mln
Internal rate of return (IRR) 71%	

TECHNICAL PARAMETERS OF THE PROJECT



- **Total capacity of the electricity storage system:** 10 MWh.

Form factor: container-based battery cells, inverters, control

- systems, cooling, and safety systems - all located in the same container.

Readiness stage: ready for implementation; preliminary technical and economic analyses have been completed.

Project location:

the city of Kryvyi Rih;

Mechanisms for cooperation:

- attracting credit resources;
- attracting grant funding and direct investment;
- iother opportunities of cooperation.



ADDITIONAL INFORMATION

PJSC "SUHA BALKA": part of the DCH Group and managed by DCH Steel. PJSC "SUHA BALKA" is one of the leading companies engaged in the extraction of iron ore via underground mining in Ukraine. The mine has more than a century of experience.

Project status: ready for implementation.

Consistency with the sustainable development goals:



In order to increase energy independence, the company is implementing a project aimed at significantly reducing electricity consumption from the grid during peak hours throughout the 24 hours - storing energy at night, when electricity is cheapest, and drawing from the storage system during peak hours, when electricity is most expensive, will allow the company to significantly reduce its electricity procurement costs.

Implementation of the project for the installation of an energy storage system will enable PJSC "SUHA BALKA" to reduce its dependence on centralized electricity sources and support the stability of the Ukrainian power grid during crises. The energy storage system will become an integral part of the company's energy infrastructure..

NEW CONSTRUCTION OF ON-SITE SOLAR PLANT (28 MW)



The total area of the plots is 26.9 hectares. Direct connection to the plant's distribution network is being considered.

"ARCELORMITTAL KRYVYI RIH PJSC" is implementing an energy project aimed at improving energy efficiency and achieving energy independence for the enterprise. The project envisages the construction of a solar power plant (SPP) on 7 of the company's land plots to partially cover its own electricity demand.

INITIATOR:
"ARCELORMITTAL KRYVYI RIH PJSC"

<https://ukraine.arcelormittal.com/>

DURATION:

6 years

TOTAL PROJECT COST:

\$ 15.5 mln

PROJECT GOALS:

- ▶ ensure the energy independence of the company;
- ▶ reduce electricity expenses and decrease CO₂ emissions;
- ▶ optimize production processes through stable energy supply;
- ▶ contribute to the development of green energy and energy resilience in the region;
- ▶ create up to 10 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV (25 year)) \$ 0.5 mln	EBITDA (2029 - first year at full capacity) \$ 2.9 mln
Internal rate of return (Pre-tax IRR) 15.7 %	Income (2029 - first year at full capacity) \$ 3.1 mln
Discounted Payback Period (DPP) 19 years	Project launch period 3 years



TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity of the SPP:** 28 MW. Project aims at generation of electricity using 44 092 PV modules 630 W each (DHN-78X16/DG 630 W was considered in Feasibility study).

Current will be transformed to 6 (10) KV using PVCIS 2500/6(10)/1,5 inverters (16 total) and transferred in plant's grid with indefinite connection points (3 points total).

Project location:

The city of Kryvyi Rih.

Mechanisms for cooperation:

- Type of financing – blended structure (seeking developer to execute the project and operate facility).



ADDITIONAL INFORMATION

ArcelorMittal Kryvyi Rih (AMKR) is Ukraine's largest integrated iron and steel producer, operating since 1934, before the war capacity - 6.0 Mtpa of crude steel, current operating capacity: circa 8.0 Mtpa of Iron Ore Concentrate, circa 3.0 Mtpa of hot metal, 3.0 Mtpa crude steel. The company employs over 12 000 people.

Project status: feasibility study completed
Land status: leased.

Alignment with the sustainable development goals:

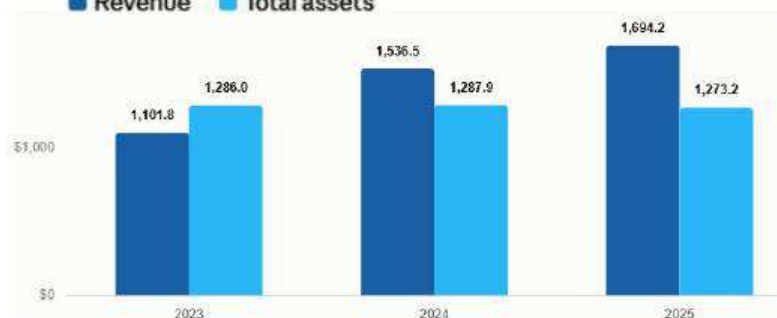


Core Products / Services:

- Iron Ore Concentrate
- Coke and chemical by-products - from integrated coking operations
- Sinter
- Pig Iron
- Square Billets
- Long steel products (wire rod, rebars, spooled rebar, merchant bars).

Financial indicators of the company, \$ mln:

■ Revenue ■ Total assets



DIA DNIPROPETROVSK
INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

CREATION OF AN ENTERPRISE FOR PACKING NATURAL HONEY, WITH A CAPACITY OF 300 TONS PER YEAR



The project envisages the development and expansion of production through the acquisition of equipment and the launch of honey packaging lines with a capacity of 300 tons per year. It is also planned to introduce a patented type of packaging, "A drop of honey", which is suitable not only for honey, but also for sauces, jams, and certain medicinal products (syrops and mixtures).



Currently, honey is packed in glass and plastic containers with subsequent sale to individual consumers in Ukraine. The annual volume is up to 5 tons. Honey is bought as traditional Ukrainian varieties with available certificates of origin and quality of honey.

INITIATOR:



**Individual entrepreneur
Horbonos Andrii**

DURATION:



1 year

TOTAL PROJECT COST:



\$82 thsd.



PROJECT GOALS:

- ▶ creation of an enterprise with a modern line for the preparation of blending and packaging of honey in containers of a wide range of nomenclature;
- ▶ supporting the domestic beekeeping industry by ordering honey of traditional varieties, which will create value-added chains, in particular, advanced processing of honey;
- ▶ to provide the domestic and European markets with natural honey at competitive prices;
- ▶ to create 10 workplaces.



PROJECT ECONOMIC INDICATORS

Net present value (NPV)

\$215 thsd.

Profitability index (PI)

3.62

Internal rate of return (IRR)

39%

Payback period (PP)

3 years

EBITDA(3rd year)

\$89 thsd.

Revenue (3rd year)

\$744 thsd.



PROJECT TECHNICAL PARAMETERS

Premises characteristics:

area:

250 m²

which includes a separate area of up to 50 m² for honey storage.

Project location:

the city of Dnipro.

Engineering infrastructure:

water, gas and electricity are available and does not require any additional investments.

Initiator resources:

- assortment of honey;
- tare, packaging materials;
- patented technology of production;
- advertising materials, Internet resources;
- human resources;
- client base.

Transport infrastructure:

- 100 m – territorial highway;
- 500 m – national highway;
- 500 m – railway station;

Mechanisms for cooperation:

- credit financing;
- joint venture.



ADDITIONAL INFORMATION

At the expense of the profit, there are plans to develop social projects:

- ▶ “Ukrainian clear speeches” – creation of methodological materials for children with speech defects;
- ▶ “Honey heart” – provision of internally displaced persons (IDPs) with essential goods and food products;
- ▶ “Children's Honey Hub” – children's creativity center.

Alignment with the sustainable development goals:



Required equipment for honey packaging according to the project:

- ▶ packing and packaging unit – 2 pcs (with a capacity of up to 25 packs per minute);
- ▶ batcher – 1 pc (up to 25 packs per minute);
- ▶ mini table with dosing unit – 1 pc (up to 6 packs per minute);
- ▶ honey dosing and pumping device (up to 27 packs per minute);
- ▶ belt conveyor – 1 pc;
- ▶ tables for working with food products – 3 pcs and chairs – 6 pcs.

CONSTRUCTION OF A FLOUR AND CEREALS PRODUCTION COMPLEX



The project initiator offers a land plot in the industrial zone of Kryvyi Rih for the implementation of the investment project: "Construction of a flour and cereals production complex".

The format of investor engagement is the sale of corporate rights of the company holding the land use rights for the implementation of the project.

INITIATOR:



"White" LLC

<https://www.vait.in.ua/>

DURATION:



1.5 years

TOTAL PROJECT COST:



\$13.5 mln



PROJECT GOALS:

- ▶ construct a modern grain processing complex for the production of flour and cereals with consistent quality and laboratory control;
- ▶ ensure efficient logistics and continuity of supply: raw material intake, storage (silos), and shipment of finished products by road and rail transport;
- ▶ ensure the project's financial viability and investment attractiveness;
- ▶ steadily supply the domestic market with high-quality food products and integrate into EU retail chains.



PROJECT ECONOMIC INDICATORS

Net present value (NPV)

\$13.4 mln

Profitability index (PI)

1.99

Internal rate of return (IRR)

32%

Payback period (PP)

4.5 years

EBITDA(4th year)

\$7.2 mln

Revenue (4th year)

\$25 mln



PROJECT TECHNICAL PARAMETERS

Land plot characteristics:

area:

15,3 ha

industrial purpose lands,
cadastral number is available.

Project location:

the city of Kryvyi Rih, Kryvyi Rih district,
Dnipropetrovsk region.

Engineering infrastructure:

- water supply/drainage – not available;
connection is possible at a distance of ≈ 1 km;
- gas supply – not available; connection is possible
at a distance of ≈ 1 km;
- electricity supply – at a distance of ≈ 3 km there
is Substation No. 3 (35/6 kV) with a rated
capacity of $2 \times 6,300$ kVA.

Initiator resources:

- land plot for project implementation and
registered rights of use.

Transport infrastructure:

- the location has advantageous logistics
infrastructure: access roads and railway tracks
- within less than 1 km, ensuring efficient raw
material supply and shipment of finished
products;
 - 15,5 km – regional highway;
 - 14,8 km – national highway;
 - 800 m – railway station.

Mechanisms for cooperation:

- sale of corporate rights.



ADDITIONAL INFORMATION

The land meets all the criteria for the establishment
of modern agro-industrial enterprises and full-
service terminals.

The distance to the nearest residential buildings is
more than 400 meters.

Alignment with the sustainable development goals:



Neighboring areas: Promhyrotechstroy LLC,
Myrivka plant of armed concrete structures, railway
station Grekuvata.

DIA DNIPROPETROVSK
INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CONSTRUCTION OF A COMPLEX DESIGNED FOR STORAGE, SORTING, PACKAGING OF FRUITS AND VEGETABLES



Construction of a complex designed for high-quality storage of fruits and vegetables, followed by sorting, packing, delivery to consumers. Project implementation is expected in the operating space of farming enterprise "Vidrodzhennia", which is placed near existing garden.

Total complex capacity will be 5 000 tons.

Market outlets: wholesale markets, trading networks of Ukraine.

INITIATOR:

Farming enterprise
"Vidrodzhennia"

DURATION:

6 months

TOTAL PROJECT COST:

\$3,5 mln

PROJECT GOALS:

- ▶ the construction of the complex will provide compliance with the requirements of retail chains: quality control and certification of batches, whole-year supplies, packaging, filling and delivery.
- ▶ the capacity of sorting line is 40 tons of the products per shift. It is supposed the everyday shipment of production to the trade networks during 11 months;
- ▶ production scaling: expanding orchards and berry plantations to 105 ha, and vegetable crops to 100 ha;
- ▶ creation of 150 jobs.

PROJECT ECONOMIC INDICATORS

Net present value (NPV)	Payback period (PP)
\$3.6 mln	2.8 years
Profitability index (PI)	EBITDA(3rd year)
2.02	\$1.6 mln
Internal rate of return (IRR)	Revenue (3rd year)
24.4%	\$2.9 mln



PROJECT TECHNICAL PARAMETERS

Land plot characteristics:

area:

2,4 ha

agricultural purpose lands,
cadastral number is available.

Project location:

Petrykivska TC, Dnipropetrovsk district,
Dnipropetrovsk region.

Engineering infrastructure:

water, gas and electricity are available and does
not require any additional investments.

Initiator resources:

- a project for a refrigeration complex (5,000 tons);
- a refrigeration complex, with a volume of 500 tons;
- a transformer;
- weigh office;
- an office building;
- a well with drinking water.

Transport infrastructure:

- 4 km – highway Dnipro-Poltava-Kyiv;
- 25 km – railway station.

Mechanisms for cooperation:

- credit line up to 5% per annum in foreign currency;
- joint venture.



ADDITIONAL INFORMATION

Main products grown by Farming Enterprise "Vidrodzhennia":

- ▶ fruit: sweet cherries, peaches, apricots, plums and apples
- ▶ vegetables: potatoes, beetroot, carrots, onions and courgettes;
- ▶ berries: strawberries;
- ▶ certified fruit tree saplings, primarily stone-fruit varieties.

Alignment with the sustainable development goals:



The complex will provide:

- ▶ high-quality storage and marketability of the fruits;
- ▶ uniformity of products supply throughout the year irrespective of seasonal cultivation;
- ▶ profitability increase due to price changes in different seasons;
- ▶ added value.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CREATION OF THE AGRICULTURAL AND PROCESSING CLUSTER “CHERVONY TIK”



Creation of the Chervony Tik agricultural processing cluster with a full production cycle, from growing raw materials to processing and releasing finished products: poultry farming, mixed feed, greenhouse vegetables/greens, bio-organic fertilizers. The project is planned to be implemented on the basis of the existing production capacities of the enterprise with connected communications, which provides a quick start to the project.



Expected land bank after expansion: 1,000 ha over 3–5 years.

Market outlets: wholesale markets and processing companies, trading networks of Ukraine and export markets, including the EU.

INITIATOR:



LLC “Agrobud-1688”

DURATION:



2 years

TOTAL PROJECT COST:



\$3 mln



PROJECT GOALS:

- ▶ establish a modern, full-cycle agro-processing cluster and creation of 70 new jobs;
- ▶ invest in key production facilities: a poultry complex and a feed production - from growing feed to making meat and egg products;
- ▶ starting a greenhouse business for year-round cultivation of vegetables and greens;
- ▶ introduce a production of bioorganic fertilizers from agricultural residues.



PROJECT ECONOMIC INDICATORS

Net present value (NPV)

\$3.1 mln

Profitability index (PI)

2.0

Internal rate of return (IRR)

33%

Payback period (PP)

4.4 years

EBITDA(4th year)

\$2.12 mln

Revenue (4th year)

\$3.12 mln



PROJECT TECHNICAL PARAMETERS

Land plot characteristics:

area:

10 ha

agricultural purpose lands,
cadastral number is available.

Project location:

Apostolove TC, Kryvyi Rih district,
Dnipropetrovsk region.

Engineering infrastructure:

water, gas and electricity are available and does
not require any additional investments.

Initiator resources:

- existing production buildings: 6.000 m², suitable
- for reconstruction into a feed production, poultry complex, storage facilities, laboratory;
- potential to expand the land bank to 1,000 ha over 3-5 years.

Transport infrastructure:

- 19 km – highway Kropyvnytskyi - Kryvyi Rih - Zaporizhzhia;
- 4,8 km – railway station;
- 350 m – regional highway.

Mechanisms for cooperation:

- Involvement of credit resources, grant funds and direct investments;
- financial partnership;
- other opportunities of cooperation.



ADDITIONAL INFORMATION

Indicative production volumes after the project launch:



POULTRY FARMING (BROILERS) – up to 240.000 birds/year (≈ 430 tons of meat), potential of up to 400,000 birds/year.



BIOORGANIC FERTILIZERS – up to 1.000 – 1.200 tons/year, potential of 1.500 – 2.000 tons/year.



FEEDING PLANT – up to 5 tons/hour (own needs + partial sales).



GREENHOUSE FARMING – 2 ha, up to 500 tons/year of greenhouse produce (vegetables/greens), potential to 4 ha.

The complex will provide:

- ▶ a stable raw-material base and controlled, on-site production within a single facility;
- ▶ the production of value-added finished goods;
- ▶ reduced costs and improved logistics through the concentration of facilities;
- ▶ environmental efficiency through a closed cycle of waste recycling and the production of bio-organic fertilizers.

Alignment with the sustainable development goals:



DIA DNIPROPETROVSK
INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CONSTRUCTION OF A FRUIT AND VEGETABLE LOGISTICS AND DISTRIBUTION HUB



The project provides the construction of a modern logistics and distribution hub for the storage and sale of fruits and vegetables produced by local farmers and households, with a total area of 5000–7000 m² (Class A) and a storage capacity of 5000 to 10000 tons.



The hub will include:

- gas-controlled fruit and vegetable storage facility;
- sorting, washing and packaging lines;
- loading area for large vehicles.

INITIATOR:



LLC "FOOD AGRO COM"
<https://foodagro.com.ua/>

DURATION:



18 months

TOTAL PROJECT COST:



\$5,8 mln



PROJECT GOALS:

- ▶ implementation of European planting, cultivation and harvesting technologies for farms and private households in the region;
- ▶ organization of logistics, storage and wholesale trade to retail networks;
- ▶ providing continuous operation through solar panels and backup generators;
- ▶ the creation of up to 100 new jobs, including opportunities for people with disabilities and veterans.



PROJECT ECONOMIC INDICATORS

Net present value (NPV)

\$4.1 mln

Payback period (PP)

4.5 years

Profitability index (PI)

1.7

EBITDA (1st year)

\$660 thsd.

Internal rate of return (IRR)

31.2%



PROJECT TECHNICAL PARAMETERS

Characteristics of the required area:

area:

10 ha

industrial purpose lands,
cadastral number is available.

Project location:

Dnipropetrovsk region.

Mechanisms for cooperation:

- credit financing;
- allocating a plot of land for the facility.

Engineering infrastructure:

- power supply – connection to external networks with a capacity of 1,300 kW; additionally, rooftop solar panels and backup generators to ensure continuous operation
- water supply – artesian boreholes and technical water filtration systems; purification facilities for industrial wastewater.
- refrigeration systems – industrial cold storage rooms with controlled gas atmospheres, ventilation systems and humidity control systems.
- transport infrastructure – access roads for large-sized vehicles, loading ramps, truck scales with a capacity of up to 60 tons.



ADDITIONAL INFORMATION

LLC “FOOD AGRO COM” is a company in the agro-industrial sector that specializes in the production, storage and distribution of fruits and vegetables. The company is working to expand modern agricultural infrastructure in Dnipropetrovsk region by engaging local farmers and households.

Alignment with the sustainable development goals:



The project is implemented in conditions of a critical shortage of modern facilities for the storage and preliminary processing of fruits and vegetables in the region. The lack of such infrastructure leads to significant crop losses (up to 30–40%) and the necessary sale of agricultural products at below-market prices immediately after harvest.

Main product categories:

Vegetables: potatoes, carrots, beets, white cabbage, cauliflower, Peking cabbage, tomatoes, cucumbers, zucchini, eggplant.

Fruits: apples, pears, plums, apricots, peaches.



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Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CREATION OF CONSTRUCTION MATERIALS MANUFACTURE



Creation of production lines of energy saving materials (thermo facade) and the concrete products for urban landscaping (paving slabs, edgings and decorative concrete products).

Considering market conditions, it is planned to expand production, namely: concrete of various grades, road curbs, lighting poles, reinforced concrete trays, concrete fences.

Equipment: thermal vacuum moulder, dry press for paving slabs, sawmill for cutting fiber cement boards, vibrating table for casting, concrete unit for the production of various grades concrete.



Approximate volume:
concrete - 200 m³ per hour;
plate thermofacade - 500 m² per hour;
paving slabs - 1400 m² per hour.

INITIATOR:



"Misto Bud M" LLC

DURATION:



6 months

TOTAL PROJECT COST:



\$2.2 mln

PROJECT GOALS:

- ▶ meeting the demand for the high-quality modern energy-saving materials and the concrete products for urban landscaping;
- ▶ creation of 20 new jobs.

PROJECT ECONOMIC INDICATORS

Own floating assets: \$100 thsd.

Net Present Value (NPV)	Payback period (PP)
\$3 mln	2.6 years
Profitability index (PI)	EBITDA
1.36	\$800 thsd.
Internal rate of return (IRR)	
46%	



TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

Land plot area:

0.25 ha

enterprises land plots,
cadastral number is available.

Project location:

Slobozhanska TC, Dniprovskiy district

Engineering infrastructure:

water, gas and electricity are available and
does not require any additional investments.

Initiator resources:

- workshop 300 m²;
- thermovacuum molder;
- dry press for paving slabs;
- sawmill for fiber cement board;
- vibrating tables;
- forklift truck;
- heavy vehicles.

Logistics infrastructure:

- 0.7 km – highway E-50;
- 10 km – railway station;
- 10 km – river port.

Mechanisms for cooperation:

- share participation;
- creation of joint venture.



ADDITIONAL INFORMATION

The company is a manufacturer of energy-saving “thermal facade” tiles for insulating existing buildings and structures, as well as the manufacture of paving slabs. Today, when energy efficiency is a real trend of our time this business is something more than just a relevant and profitable.

Energy modernization and energy efficiency are important areas in construction that are supported by the government and local authorities.



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the city of Dnipro, Ukraine, 49004
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Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CONSTRUCTION OF A FLOAT GLASS PRODUCTION FACILITY



The project initiator offers a land plot located in the industrial zone of the city of Vilnohirs'k for the implementation of the investment project: "Construction of a float glass manufacturing facility".

The territory has favorable logistical infrastructure and is supplied with a raw-material base for the rapid launch of production – quartz sand for the glass industry produced by the "Vilnohirs'k Mining and Metallurgical Plant" of JSC "United Mining and Chemical Company".



The project involves the construction of a modern float glass production facility by a specialized industry company in partnership with a Ukrainian enterprise.

ENTERPRISE TO
COOPERATE WITH:



"Orion-Glass-Float" LLC

<https://www.orionglass.com.ua/en/>

DURATION:



1 year

POTENTIAL PROJECT
COST:



\$200 mln



PROJECT GOALS:

- ▶ to provide the Ukrainian market with domestic float glass;
- ▶ to invest in float-glass production, import of which is 97% (\$150 mln/year);
- ▶ to use cooperation with local industrial enterprises, which extract raw materials (quartz sands) for float-glass production, to reduce production costs;
- ▶ attract the capacities of local enterprises to the project realization and create new jobs.



PROJECT ECONOMIC INDICATORS

1. expected productivity - **750 tons/day**.
2. domestic market - **\$150 mln/year**.



PROJECT TECHNICAL PARAMETERS

Land plot characteristics:

area:

26 ha

industrial purpose lands,
cadastral number is available.

Project location:

the city of Vilnohirs'k, Kamianske district,
Dnipropetrovsk region.

Engineering infrastructure:

- water supply/wastewater disposal – is absent, there is a possibility of connection to the nearest point Ø 200 mm and supply volume of 100 m³ at a distance of 0.2 km;
- sewage collector Ø 600 mm at a distance of 0.2 km;
- gas supply – there is no gas supply, the nearest gas distribution point with a supply volume of 2500 m³ per hour at a distance of 1.6 km;
- electricity supply – 330/150/35/35/6 kV substation is located at a distance of 0.3 km.

Initiator resources:

- land plot for project implementation.

Transport infrastructure:

- 1.5 km – territorial highway;
- 0.4 km – railway line and access roads;
- 3.7 km – railway station;
- 108 km – city of Dnipro;
- 103 km – city of Kryvyi Rih;
- 171 km – city of Zaporizhzhia.

Mechanisms for cooperation:

- joint venture.



ADDITIONAL INFORMATION

“Orion-Glass-Float” LLC: an operating enterprise for industrial processing of glass, production of glassware and insulating glass units for use in construction, transportation engineering, furniture, commercial and industrial equipment, interior decoration and other areas.

Neighboring land plots:
“Vilnohirs'k Glass” Ltd;
sand processing unit;
“Vilnohirs'k” railroad station;
Vilnohirs'k motor transportation enterprise;
electric substation “VDGMK”.

Alignment with the sustainable development goals:



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INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Olha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**

CREATION OF A WASTE HEAT RECOVERY SYSTEM



The project involves the modernisation of an existing cement plant through the installation of a waste heat recovery system, converting residual heat from clinker production into electricity.

The implementation of this solution will significantly reduce CO₂ emissions and decrease the enterprise's dependence on external energy sources.

INITIATOR:



**PJSC "KRYVYI
RIH CEMENT"**

<https://krcement.com/>

DURATION:



3 years

TOTAL PROJECT COST:



\$30.7 mln



PROJECT GOALS:

- ▶ improve the energy efficiency in production by utilising the heat lost during clinker burning;
- ▶ ensure own production of up to 48 GW of electricity per year to cover part of the company's energy needs;
- ▶ optimize production expenses and increase the competitiveness of cement products;
- ▶ create up to 15 new jobs.



PROJECT ECONOMIC INDICATORS

Company's resources for project implementation: \$9.2 mln

Net present value (NPV)

\$20.0 mln

EBITDA

\$7.6 mln

Internal rate of return (IRR)

19%

Revenue

internal economic impact

Payback period (PP)

8.3 years



PROJECT TECHNICAL PARAMETERS

key components: waste heat recovery boilers, heat exchangers, steam turbine, generator, automation and monitoring systems;

- **expected reduction in external electricity consumption:** up to 40%;
- **CO₂ emissions reduction:** approximately 475 tons per year;
- **annual electricity generation:** up to 43 GWh;
- **readiness stage:** concept and preliminary calculations completed.

Project location:

the city of Kryvyi Rih, Dnipropetrovsk region.

Mechanisms for cooperation:

- attracting credit resources, grant funding and direct investments;
- financial partnership;
- other forms of cooperation.



ADDITIONAL INFORMATION

PJSC “Kryvyi Rih Cement” is a leading industrial enterprise in Dnipropetrovsk region, supplying the Ukrainian market with high-quality cement for the construction of infrastructure, industrial and residential facilities. The company is one of the largest cement manufacturers in Ukraine.

Project status: Negotiations are currently underway with CTP Inspire Evolution (Czech Republic), a leading supplier of waste heat recovery systems, regarding the equipment supply and installation.

Alignment with the sustainable development goals:



The proposed project creates an opportunity for local electricity generation from internal resources, which enhances energy autonomy and reduces dependence on the unstable energy market. In addition to its economic benefits this technology contributes to the modernization of industrial infrastructure, the development of competencies in industrial energy efficiency, and the integration of Ukrainian industry into the European energy space.



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

MODERNIZATION OF THE CLINKER KILN WITH THE TRANSITION TO ALTERNATIVE FUEL



PJSC "Kryvyi Rih Cement" plans to modernize the clinker kiln to improve production efficiency and partially transition to alternative fuel (RDF).

The project involves installing an RDF feeding system and modernization the calciner, clinker cooler, and heat exchange units.



The implementation of the project will ensure the stability of the technological process and increase the daily clinker line output to 4,000 tons.

INITIATOR:

**PJSC "KRYVYI
RIH CEMENT"**

<https://krcement.com/>



DURATION:



4 years

TOTAL PROJECT COST:



\$23.7 mln



PROJECT GOALS:

- ▶ Increase the efficiency and capacity of clinker production;
- ▶ reduce coal consumption by 45% and decrease CO₂ emissions by 10%, enhancing the environmental efficiency of production;
- ▶ support the development of a circular economy by reusing waste as an energy resource;
- ▶ create up to 12 new jobs.



PROJECT ECONOMIC INDICATORS

Company's resources for project implementation: \$4.7 mln

Net present value (NPV)

\$34.3 mln

EBITDA

\$10.3 mln

Internal rate of return (IRR)

27%

Revenue

internal economic impact

Payback period (PP)

6.5 years



PROJECT TECHNICAL PARAMETERS

- **clinker production capacity:** up to 4.000 tons per day (+15%);
- **share of heat substitution:** up to 45% through the use of RDF;
- **reduction in coal consumption:** by 45%;
- **reduction in CO₂ emissions:** by 10%;
- **main equipment:** calciner, cross cooler, RDF feeding system, combustion process control and automation system;
- **expected energy resource savings:** ≈ 30-35 thsd tons of coal per year;
- **readiness stage:** project documentation developed.

Project location:

the city of Kryvyi Rih, Dnipropetrovsk region.

Mechanisms for cooperation:

- attracting credit resources, grant funding and direct investments;
- financial partnership;
- other forms of cooperation.



ADDITIONAL INFORMATION

PJSC "Kryvyi Rih Cement" is one of the leading companies in Ukraine's cement industry. The company is actively modernizing its production by implementing energy-efficient technologies, automation, and gradually transitioning from coal to alternative fuel (RDF). This approach allows it to reduce carbon emissions, decrease its dependence on imported fuels, and meet the current requirements of the European cement market.

Alignment with the sustainable development goals:



The project creates an opportunity to reduce energy dependence, improve production efficiency, and use secondary resources instead of coal. Its implementation will contribute to the development of the domestic alternative fuel market, reduce environmental impact, and foster the creation of a circular economy model that aligns with the priorities of Ukraine's post-war reconstruction and integration into the European Green Deal.

Project status: ready for implementation.



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the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

MODERNIZATION OF EQUIPMENT FOR THE USE OF RDF FUEL IN CLINKER BURNING DURING CEMENT PRODUCTION



PJSC "Kryvyi Rih Cement" plans to implement a project for the reequipment of production facilities to gradually replace part of the coal with RDF obtained from recycled municipal waste. It is expected that at least 20% of the total fuel will be replaced with RDF without reducing the quality of the clinker.



The project creates a full resource usage cycle, combining a waste management system, recycling, and application in the industrial process.

INITIATOR:

**PJSC "KRYVYI
RIH CEMENT"**

<https://krcement.com/>



DURATION:

1 year



TOTAL PROJECT COST:

\$4.4 mln



PROJECT GOALS:

- ▶ reduce the company's energy dependence and stabilize the cost of cement production;
- ▶ contribute to the development of the local waste management system by creating demand for RDF fuel;
- ▶ increase environmental sustainability and compliance with European decarbonization standards;
- ▶ create up to 15 new jobs.



PROJECT ECONOMIC INDICATORS

Company's resources for project implementation: \$1.4 mln

Чистий приведений дохід (NPV)

\$4.3 mln

EBITDA

\$1.3 mln

Внутрішня норма рентабельності (IRR)

25%

Revenue (per year)

\$1.3 mln

Період окупності (PP)

6.3 years



PROJECT TECHNICAL PARAMETERS

- **fuel substitution rate:** at least 20% of the total fuel share with RDF without reducing clinker quality;
- **CO₂ emissions reduction:** up to 60% compared to coal usage;
- **reduction of residual waste volumes:** up to 80%;
- **main equipment:** RDF receiving, storage, dosing, and feeding system; modified burners and combustion control system; laboratory complex for fuel quality monitoring;
- **readiness stage:** project concept developed, company is seeking financing.

Project location:

the city of Kryvyi Rih, Dnipropetrovsk region.

Mechanisms for cooperation:

- attracting credit resources, grant funding and direct investments;
- financial partnership;
- other forms of cooperation.



ADDITIONAL INFORMATION

PJSC “Kryvyi Rih Cement” is one of the leading companies in Ukraine's cement industry. The company is focused on reducing its carbon footprint and transitioning to sustainable energy sources, including through the implementation of RDF produced from recycled municipal waste. This solution contributes to reducing coal consumption, lowering CO₂ emissions, and developing the local waste management system, combining industrial production with the principles of a circular economy.

The implementation of the project underscores PJSC “Kryvyi Rih Cement’s” position as an innovative and environmentally responsible manufacturer.

The project creates an opportunity to combine industrial modernization with the development of the waste management system, forming a sustainable closed-loop cycle of “production – consumption – recycling”. Its implementation will contribute to the development of the local alternative fuel market, reduce the burden on municipal solid waste landfills, and promote Ukraine's progress towards the European Green Deal goals.

Project status: concept.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CONSTRUCTION OF AN ECONOMY-CLASS RESIDENTIAL COMPLEX “SMART PAVLOGRAD”



Two land plots are proposed, located nearby, for the construction of a modern residential neighborhood with developed infrastructure.



INITIATOR:



Pavlohrad city council

<https://pavlogradmrada.dp.gov.ua/>

DURATION:



1.5 years



PROJECT GOALS:

- ▶ to make a profit through the sale and lease/sale of space to business entities;
- ▶ to solve the problem of providing housing for socially vulnerable categories of citizens;
- ▶ increase the overall mobility of labor resources and create conditions to stop the outflow of population from the city by building affordable housing;
- ▶ expansion of business opportunities and search for new partners;
- ▶ increase of tax revenues to the local budget, development of the city economy;
- ▶ improvement of the city territory.



PROJECT ECONOMIC INDICATORS

Economic indicators are calculated by the investor depending on the chosen technology and the construction project of the residential complex.



PROJECT TECHNICAL PARAMETERS

Land plot characteristics:

total area:

2 ha

for the construction of an apartment building,
cadastral numbers are not available.
Limitation on the number of floors of the
residential complex – 9 floors.

Project location:

the city of Pavlohrad, Dnipropetrovsk region.

Engineering infrastructure:

available next to the plots, communications are
ready for connection.

Initiator resources:

- land plots for project implementation.

Transport infrastructure:

- 1 km – international highway;
- 2.9 km – railway station;
- 7 km – river;
- 80.8 km – the city of Dnipro.

Mechanisms for cooperation:

- lease of a land plots;
another mechanism of cooperation may be
- determined by the Pavlohrad City Council and
the project investor.



ADDITIONAL INFORMATION

Contacts of the initiator:

Pavlograd City Council

Web: pavlogradmrada.dp.gov.ua

Tel.: (0563) 20-04-80.

E-mail: info@pavlogradmrada.dp.gov.ua

Alignment with the sustainable development goals:



DIA DNIPROPETROVSK
INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Olha Kozlytska**

Tel.: +38 (056) 742 86 87

E-mail: o.kozlytska@dia.dp.ua

CONSTRUCTION OF A COTTAGE ECO-TOWN



Construction of a new cottage eco-town, located 26 km away from the city of Dnipro, in the village of Voloske, Novooleksandrivska TC.

The cottage settlement construction project provides for the cottages construction on individual land plots.



At the same time, several different housing types are considered: economy class, townhouse and business class.

INITIATOR:

Novooleksandrivs'ka TC and busines

<https://novool.otg.dp.gov.ua/>



DURATION:



1 year



PROJECT GOALS:

- ▶ to meet regional demand for comfortable and affordable suburban housing;
- ▶ to ensure the territory's utility and road infrastructure readiness (design and connection of networks, access roads, internal driveways) to enable rapid commissioning;
- ▶ to create a safe and private residential environment (access control, video surveillance/security in line with the concept, organized parking);
- ▶ to deliver high-quality landscaping and shared recreation areas by combining the natural setting with functional resident-oriented infrastructure.



PROJECT ECONOMIC INDICATORS

Economic indicators are calculated by the investor depending on the chosen technology and the construction project of the residential complex.



PROJECT TECHNICAL PARAMETERS

Land plot characteristics:

total area:

16 ha

for construction and maintenance of the residential house, cadastral numbers are available.

A land plot has been divided into 91 land plots (ranging in size $\approx 0,15$ ha). The lots are privately owned.

Project location:

Novooleksandrivska TC, Dnipropetrovsk region.

Engineering infrastructure:

- requires design and will be determined by the project according to the necessary volumes of gas, electricity, water and sewage facilities;
- it is possible to connect to gas, electricity, water and sewage (communications supply to the land plots is planned from the village).

Initiator resources:

- land plots for project implementation.

Логістична інфраструктура:

- a local paved road leads to the land plots;
- 1 km – Dnipro river;
- 9 km – national highway;
- 26 km – the city of Dnipro;
- transfer of the Voloske village from Dnipro.

Mechanisms for cooperation:

- enterprise sale is possible;
- creation of joint venture.



ADDITIONAL INFORMATION

In wartime, housing priorities have shifted: for many families, safety, privacy, and predictable living conditions come first. This is why interest in suburban living is growing, it offers more personal space, lower-density development, and greater options for autonomy (engineering solutions, backup energy sources, and well-equipped surroundings).

The market is responding with projects where not only architecture but also infrastructure, security, and quality planning become key.

Alignment with the sustainable development goals:



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INVESTMENT AGENCY

Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
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Tel.: **+38 (056) 742 86 87**

E-mail: o.kozlytska@dia.dp.ua

SERVICE STATION

Complete the construction of a service station for 8 posts, for 65% is complete:

- 1st floor – 4 posts on the lifts for the passenger car repair and 4 posts for the buses and trucks maintenance (inspection pits). There are cars computer diagnostics, tire fitting and balancing machines with an area of 540 m²;
- 2nd floor – the facility of 324 m² for placement of the motor vehicle parts store or the rest room.



Also for the whole building it is provided sanitary and amenity facilities for staff (showers, bathrooms, etc.).

INITIATOR:

**Private Enterprise
"Dobratulina T.M."**



DURATION:



11 months

TOTAL PROJECT COST:



\$275 thsd.



PROJECT GOALS:

- ▶ organization of service and guarantee maintenances for passenger cars;
- ▶ corrective and major maintenance of cars, trucks and buses;
- ▶ organization of vehicles sensor monitoring and inspections;
- ▶ creation of 10 new jobs.



PROJECT ECONOMIC INDICATORS

1. initiator contribution to the project implementation: \$137.5 thsd.

2. required investment capital: \$137.5 thsd.



PROJECT TECHNICAL PARAMETERS

Land plot characteristics:

area:

0.16 ha

commercial activities (car service station), cadastral number is available.

Project location:

the city of Pavlograd, Dnipropetrovsk region.

Engineering infrastructure:

project and engineering specifications for connection is available.

Initiator resources:

- land plot and facility under construction (65% is complete).

Logistics infrastructure:

- 1.3 km – E50 highway;
- 4 km – railway station "Pavlohrad-2";
- 7 km – Pavlohrad bus station.

Mechanisms for cooperation:

- creation of joint venture;
- joint venture;
- land plots sale.



ADDITIONAL INFORMATION

65% is complete of facility under construction:

- the foundation, building reinforced concrete framing, two stairwells, building envelope wall structures made of 510 mm thick bricks, inside walls and partitions were installed;
- a fence of intake reinforced concrete slabs on perimeter of the land plot (145 m according to the project) was installed. The overlap of the first and second floors was made of reinforced concrete slabs;
- 4 reinforced concrete frames of the exit gate were installed. All is prepared for concreting the first floor;
- there is a complete set of project documentation, an explanatory note, production drawings and a draft automatic fire alarm system.

At the service station location there is a high concentration of transit car traffic on the European route E50 (Dnipro-Pokrovsk) and the regional route R-51 (Zaporizhzhia-Kharkiv). And also there is an industrial zone of the Pavlohrad city (0.6 km).

Alignment with the sustainable development goals:



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Tel.: **+38 (056) 742 86 87**

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CREATION OF LOGISTIC INFRASTRUCTURE

The implementation of infrastructure projects on the land plot, which is free from construction and located along the E-105 highway, under the possible creation of:

- logistics center - for the accumulation, storage and sale of agricultural and industrial products;
- fuel filling station - maintenance operation, vehicles current repair and services provision to drivers and passengers;
- enterprise for the production of biofuel pellets and other industrial objects.



INITIATOR:



"VeILSV" LLC

DURATION:



1 years

REQUIRED INVESTMENT
CAPITAL:



\$6 mln



PROJECT GOALS:

- ▶ creation of favorable conditions for the operating and development of business entities;
- ▶ development of industrial and transport infrastructure;
- ▶ creation of 50 new jobs.



PROJECT ECONOMIC INDICATORS

Initiator contribution to the project implementation: \$0.35 mln

Net Present Value (NPV)

\$6 mln

Profitability index (PI)

112%

Internal Rate of Return (IRR)

14%

Payback period (PP)

5.7 years

EBITDA

\$6 mln

Revenue (3th year)

\$9.2 mln



TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

area:

6 ha

enterprises of other industry,
cadastral number is available.

Project location:

Yavornytska TC, Synelnykove district,
Dnipropetrovsk region.

Engineer infrastructure:

- water supply – 2.5 km water pipe-line;
- gas supply – 200 m;
- electricity supply – 1.0 km – electric substation 35/10.

Logistics infrastructure:

- 50 m – E-105 highway.

Mechanisms for cooperation:

- a joint venture creation;
- land plot sale.



ADDITIONAL INFORMATION

The logistics infrastructure project is an important investment opportunity, as changes in trade and the war in Ukraine are increasing the need for modern logistics hubs and storage facilities. In the current business environment, new solutions are needed for the storage, processing and rapid transportation of products, especially in regions with active economic activity and favorable locations. The development of such infrastructure makes it possible to ensure continuity of supply, reduce logistics costs and increase the efficiency of enterprises.

At the same time, it creates better conditions for the agricultural, industrial and trade sectors, which depend on reliable logistics. For the community, the project means new jobs, development of the territory and strengthening of its economic role, and for investors it offers an opportunity to enter a sector for which market demand is already forming.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

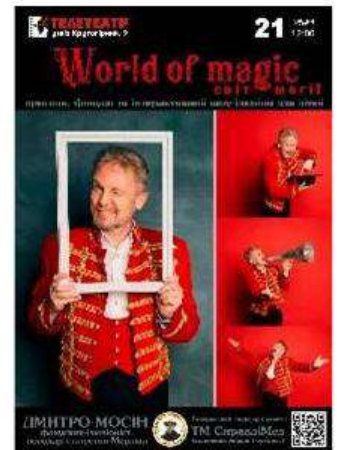
Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CREATING THE THEATER OF MAGIC

Project initiator seeks to develop the theater and leadership in the field of stage illusion in Ukraine by acquiring the necessary equipment for demonstrations, technical and office provision of performances.

Currently, the theater puts on stage independent shows and productions, has a full cycle: from the direction, sound and lighting design to the demonstration of the performance of the finished form of content and idea. The theatre features professional performers with extensive experience in stage illusion.



INITIATOR:



**Individual entrepreneur
Horbonos Andrii**

DURATION:



10 months

TOTAL PROJECT COST:



\$16 thsd.



PROJECT GOALS:

- ▶ achievement of stable schedule of theatrical performances – 12 or more performances per month;
- ▶ development of touring activity in the cities of Ukraine. To visit two cities monthly;
- ▶ constant participation in charity events – at least four events monthly;
- ▶ creation of a children's theater studio. To organize and conduct master-classes on demonstration of tricks;
- ▶ to create 10 workplaces.



PROJECT ECONOMIC INDICATORS

Economic indicators of the project are calculated depending on the filling of the auditorium, the effectiveness of marketing activities.



PROJECT TECHNICAL PARAMETERS

Directions for investment:

- props for the performance (sawing table, equipment for levitation, box-cage for "disappearing objects", costumes, stage decoration materials, suitcase magician for performances);
- technical and office support for the performances (furniture, computer equipment, sound equipment, stationery, apparatus);
- vehicle for touring activities.

Project location:

the city of Dnipro.

Initiator resources:

- room up to 200 m²;
- independent shows, productions, performances;
- illusionary show numbers and programs;
- direction, sound and light design;
- promotional materials, internet resources;
- human resources (professional actors, a magician illusionist);
- client base.

Mechanisms for cooperation:

- joint venture;
- direct investment;
- credit financing.



ADDITIONAL INFORMATION

За рахунок прибутку розвиток соціальних проєктів:

- "Ukrainian clear speeches" – creation of methodological materials for children with speech defects;
- "Honey heart" – provision of internally displaced persons (IDPs) with essential goods and food products;
- "Children's Honey Hub" – children's creativity center.

As a volunteer activity, Theater of Magic has repeatedly shown performances at important social institutions such as:

- military hospitals;
- Temporary placement center for low-mobile elderly people and people with disabilities, evacuated from hot spots "Ocean of Kindness" Dnipro city;
- "Dovira" social support center for children, Dnepr;
- "Polyvanov orphanage" of the Dnipropetrovsk regional council and others.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**
Tel.: **+38 (056) 742 86 87**
E-mail: sharaidia@gmail.com

CONSTRUCTION OF THE MEDICAL REHABILITATION CENTER “GARVIS-2”

The construction of the GARVIS-2 clinic involves the creation of modern medical center that will work according to the international standards of Joint Commission International (JCI) and implement advanced medical and digital technologies. The clinic will combine treatment, diagnosis and rehabilitation functions, forming a new level of quality medical services in the city and region.



INITIATOR:



Group of Medical Companies “Garvis”
<https://garvis.com.ua/>

DURATION:



2 years

TOTAL PROJECT COST:



\$14.9 mln

PROJECT GOALS:

- ▶ build the “GARVIS Territory of Health” eco-system in Dnipro, which will improve the quality of life for city residents within 10 years;
- ▶ provide citizens of Dnipropetrovsk and neighboring regions, internally displaced persons and military personnel, with high-quality medical, preventive and rehabilitation services in accordance with international standards (JCI);
- ▶ improve the level of medical safety in the region through the introduction of high-tech diagnostics, surgery and post-operative rehabilitation;
- ▶ create 250 workplaces.

PROJECT ECONOMIC INDICATORS

Company's resources for project implementation: \$3.7 mln

Net present value (NPV) \$9.8 mln	EBITDA (5th year) \$6.6 mln
Internal rate of return (IRR) 14.3%	Revenue (5th year) \$19.6 mln
Payback period (PP) 3.6 years	

PROJECT TECHNICAL PARAMETERS



To implement the GARVIS-2 clinic project, it is planned to construct functional premises in the Tsentralnyi district of the city of Dnipro with a total area of 8.500–9.000 m² by reconstructing the existing own building with an area of 5.800 m².

As part of the project, a fully functional medical and diagnostic complex with a powerful surgical base will be created. The surgical department will have 4 modern operating rooms and a 40-50 bed inpatient ward, which will allow for a full range of surgical procedures, from routine to highly specialized. The potential capacity of the department will be 6.000-8.000 operations per year.

Project location:

the city of Dnipro.

Mechanisms for cooperation:

- investment in the construction and equipping of
- the Centre, with further joint management of the project;
- financial partnership;
- other opportunities of cooperation.



ADDITIONAL INFORMATION

Group of Medical Companies "Garvis" -LLC SPE "MEDICAL SYSTEMS AND TECHNOLOGIES", LLC "ENDOTECHNOMED", LLC MC "GARVIS".

Medical Centre "Garvis" has been operating successfully in the city of Dnipro for over 25 years and is one of the leading private medical institutions in eastern Ukraine. The clinic specializes in surgery, traumatology, gynecology, urology, diagnostics and rehabilitation, serving thousands of patients every year. The facility has a highly qualified team of doctors, modern material and technical resources, operating rooms with a high level of sterility and equipment from leading global manufacturers (Philips, Karl Storz, Siemens).

"GARVIS-2" project is the next stage in scaling up the existing business model, aimed at expanding capacity and creating a multidisciplinary center that will comply with Joint Commission (JCI) international standards. The new facility will form the basis for the development of a medical ecosystem in the Dnipro agglomeration, combining prevention, treatment and rehabilitation on a unified technological platform.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CREATION OF A MODERN MEDICAL AND HEALTH COMPLEX

Expansion of the range of innovative, medical-recreational services of "Sanatorium "HOLIDAY RESORT ORLIVSHCHYNA" LLC by reconstruction of clinical and residential buildings, as well as the construction of a Spa-center with a swimming pool.



INITIATOR:



LLC Sanatorium "Holiday Resort Orlivshchyna"

<https://spa-kurort.com.ua/>

DURATION:



11 months

TOTAL PROJECT COST:



\$1.7 mln



PROJECT GOALS:

- ▶ satisfying the demand for innovative, health-improving services in the cold season (October-April) and increasing the amount of private clients receiving spa treatment at their own expense;
- ▶ purchase of new equipment;
- ▶ construction of a Spa-center and swimming pool;
- ▶ reconstruction of the clinical building and reconstruction of dormitory №1 to increase in-patient bed;
- ▶ creation of 20 new jobs.



PROJECT ECONOMIC INDICATORS

Company's resources for project implementation: \$306 thsd.

Net present value (NPV)

\$1.4 mln

EBITDA

\$0.9 mln

Internal rate of return (IRR)

32.7%

Revenue (3d year)

\$2.0 mln

Payback period (PP)

3.3 years



PROJECT TECHNICAL PARAMETERS

Land plot characteristics:

area:

8 ha

recreation land plots, cadastral number is available.

Project location:

Pishchanska TC, Samarivskiyi district, Dnipropetrovsk region.

Engineering infrastructure:

water, gas and electricity are available and does not require any additional investments.

Initiator resources:

- projects for the reconstruction of clinical and residential buildings;
- project for the construction of a SPA center with a swimming pool;
- co-financing of the project is 18%;
- land plot and real estate.

Logistics infrastructure:

- 12 km – the city center of Samar;
- 45 km – the city of Dnipro;
- buses depart from Dnipro, Samar and the village Orlivshchyna;
- transfer of the sanatorium from Dnipro, Samar.

Mechanisms for cooperation:

- equity;
- credit line.



ADDITIONAL INFORMATION

The sanatorium is licensed for more than 76 medical activities and has a certificate of the highest accreditation category (ISO quality certificate).

The maximum capacity of the bed fund is 309 in-patient beds, including 293 in-patient beds of year-round operation and 16 beds of seasonal operation. 9 dormitories of the Sanatorium are provided with autonomy heating and all in-room amenities, round-the-clock hot and cold water supply. There are 11 treatment departments.

There are mineral water sources for internal and external use on the territory of the Sanatorium.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CONSTRUCTION OF THE MULTIFUNCTIONAL MEDICAL CENTER "HEALTH MARKET"

Construction of the multifunctional medical center «Health Market» to provide a full range of medical services, as well as a health and therapeutic complex for the prevention, diagnosis, treatment and rehabilitation of diseases and injuries.



INITIATOR:



**Private Enterprise
"POLIMED"**

DURATION:



1.5 years

REQUIRED INVESTMENT
CAPITAL:



\$8.3 mln



PROJECT GOALS:

- ▶ provision of high quality medical services using modern innovative technologies at affordable prices;
- ▶ the provision of emergency ambulance 24/7, with modern equipment and experienced medical staff;
- ▶ diagnostics, treatment, prophylactic support of patients for the following pathologies: pancreatic diabetes, oncology, cardiology, neurological morbidity, etc;
- ▶ rehabilitation and recovery after a blood-strokes, heart attacks, spinal column injuries, craniocerebral injuries, infantile cerebral palsy, etc;
- ▶ creation of 30 new jobs,



PROJECT ECONOMIC INDICATORS

Чистий приведений дохід (NPV)

\$10.8 млн

Індекс прибутковості (PI)

1.3

Внутрішня норма рентабельності (IRR)

57%

Payback period (PP)

2 years

EBITDA

\$5.9 млн

Revenue (3th year)

\$18 млн



TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

area:

1ha

building area: 5.2 thsd m²,
land plots of recreational purposes,
cadastral number is available.

Project location:

the city of Dnipro.

Engineer infrastructure:

gas, water, sewage, electricity in accordance
with the project.

Transport infrastructure:

- 2 km – the highway E-50;
- 6 km – railway station «Dnipro-Golovnyi».

Mechanisms for cooperation:

- share participation;
- creation of a joint venture;
- credit line;
- building lease.



ADDITIONAL INFORMATION

Construction of the multifunctional medical center is critically important for the region in wartime, as Dnipropetrovsk region effectively functions as a medical hub for frontline territories and receives a significant number of internally displaced persons, which increases the burden on hospitals and clinics. The center will expand the capacity of the healthcare system by providing 24/7 emergency care, modern diagnostics and treatment, as well as services that are most needed during wartime, such as rehabilitation and recovery from injuries and severe conditions.

This will provide faster access to medical care for local residents, displaced persons and patients evacuated from high-risk areas, including the wounded who need not only surgery but also a long recovery process. As a result, the project will reduce the overload of existing medical facilities, increase the resilience of the region to periods of peak medical demand and create long-term infrastructure that will be useful during and after the war.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

SCALING RADFARM GROUP IN THE FIELD OF MEDICAL EQUIPMENT AND MEDICAL SOLUTIONS

The project includes raising funds to scale up RadFarm Group's existing business in the field of medical equipment, medical furniture and consumables. The investment will be used to increase working capital, expand sales markets, introduce innovations in production, and strengthen operational activities.



INITIATOR:

RadFarm Group

<https://radfarm.com.ua/>



DURATION:



3 years

TOTAL PROJECT COST:



\$2.3 mln



PROJECT GOALS:

- ▶ increasing the company's revenue to \$0.57–0.79 million per month over the next 3 years and creating one of the largest regional medical equipment centers in Ukraine;
- ▶ expanding the production of medical furniture and localizing certain product categories;
- ▶ creating its own storage hub for medical equipment and supplies;
- ▶ creation of a service and engineering center for installation and technical support;
- ▶ involvement of international partners and investment in the medical technology sector;
- ▶ creation of 25–40 new jobs: managers, engineers, manufacturing personnel, logistics specialists and service and procurement specialists.



PROJECT ECONOMIC INDICATORS

Average monthly turnover

\$0.14 mln/month

Gross Profit

\$1.59 mln/year

Net Profit

\$0.05 mln/year

Unlevered Free Cash Flow

\$0.02 - 0.03 mln/month

Levered Free Cash Flow

\$0.07 - 0.09 mln/month



PROJECT TECHNICAL PARAMETERS

Existing production and storage facilities:

- production facility with an area of 200 m² – manufacturing of medical furniture, storage of materials, components and finished products.
- warehouse with an area of 120 m² – storage of medical equipment and materials.
- medical hub with an area of 500 m² – office, showroom for medical equipment and furniture, dental clinic, meeting space.

Products and production volumes:

the company manufactures medical furniture and infrastructure solutions for healthcare facilities: beds, bedside tables, wardrobes, manipulation and procedure tables, wheelchairs, laboratory furniture, furniture for hospital wards and rehabilitation centers and individual custom solutions.

Current production volume: 150–300 units per month, depending on the complexity of the products.

Planned expansion as part of the project:

increasing working capital, scaling up production, forming service and engineering departments, purchasing innovative equipment, launching new product categories, implementing CRM/ERP systems and developing marketing and international representation.

Project location:

the city of Dnipro.

Mechanisms for cooperation:

- credit;
- equity participation;
- combined financing.



ADDITIONAL INFORMATION

RadFarm Group is a Ukrainian group of companies that has been operating in the medical equipment and healthcare solutions market since 2017. Specialization: manufacturing innovative medical furniture and equipment. The company works with over 50 international partners, has a gross margin of 30–40%, predictable cash flow and an integrated business model that ensures income diversification and further growth potential.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Yuliia Sharai**

Tel.: **+38 (056) 742 86 87**

E-mail: sharaidia@gmail.com

CREATION OF MODERN MARKET

A property complex located in the center of the village of Slobozhanske, is offered for creation of the market.

Current proposal is:

- 1.700 m² of covered shopping area for retail trade and 1.600 m² of open space for wholesale trade;
- area, located at a distance of 8 km away from the center of the city of Dnipro;
- motor road (Teplychna street), that runs next to the market is part of regular city and suburban bus routes.



INITIATOR:

Slobozhanska TC



<http://slobozhanska.gromada.site/>

DURATION:



11 months



PROJECT GOALS:

- ▶ create a modern market for the sale of dairy products, fruits and vegetables, meat, fish, flowers and others, where producers of agricultural products and their consumers can interact without intermediaries;
- ▶ to increase the business attractiveness of the community, to ensure strong communication and cooperation of farms, local agricultural producers, family cooperatives and other producers of agricultural products;
- ▶ to stimulate the development of the trading industry of agricultural products of the community;
- ▶ promote the creation and development of small farms and small family cooperatives;
- ▶ ensure proper cleanliness conditions and compliance with sanitary standards during the storage and sale of products at the market.



PROJECT ECONOMIC INDICATORS

Economic indicators are calculated depending on the selected project for the reconstruction of the agricultural market.



PROJECT TECHNICAL PARAMETERS

Land plot characteristics:

area:

0.67 ha

area under the building: 0.17 ha,
industrial purpose lands, cadastral number
is available.

Project location:

Slobozhanska TC, Dniprovskiy district
Dnipropetrovsk region.

Engineering infrastructure:

- water supply/disposal – n/a;
- gas supply – is available;
- power supply – 10 kV, there is a package
transformer substation on the territory;
- heating system – gas boiler house.

Initiator resources:

- land plot and real estate.

Logistics infrastructure:

- there is an approach automotive road for
vehicles;
- 8 km – to the center of Dnipro.

Mechanisms for cooperation:

- lease/public-private partnership.



ADDITIONAL INFORMATION

Nomenclature of buildings:

- warehouse premises – 1.484 m²;
- office premises – 143 m²;

Total area of buildings: 1.716 m².

The relevance and necessity of the market is not only for the residents of the village. Slobozhanske, but also for residents of surrounding settlements, such as: Dnipro, Pidgorodne, Samar, village Steppe, with a population of over 1 million people. Residents will not have to go to the regional center for shopping every time, because they will be able to buy everything they need at the local market.

The good location of the market is due to the fact that there are small and medium-sized enterprises nearby, as well as the Center for the provision of administrative services. The community has more than 1.800 companies, including processors of agricultural products.

Alignment with the sustainable development goals:



Address: 2, O. Paul Ave, office 538,
the city of Dnipro, Ukraine, 49004
www.dia.dp.gov.ua

Contact person: **Oliha Kozlytska**

Tel.: **+38 (056) 742 86 87**

E-mail: **o.kozlytska@dia.dp.ua**