

PROJECT CATALOGUE

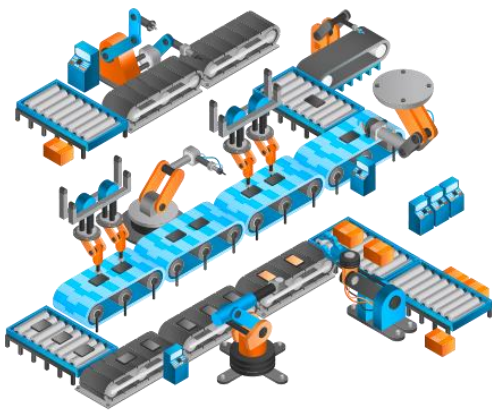
Total – **40** projects, of which:

35 – business of the region

5 – territorial communities

PROJECT CATALOGUE

**INDUSTRIAL
SECTOR**
22 projects



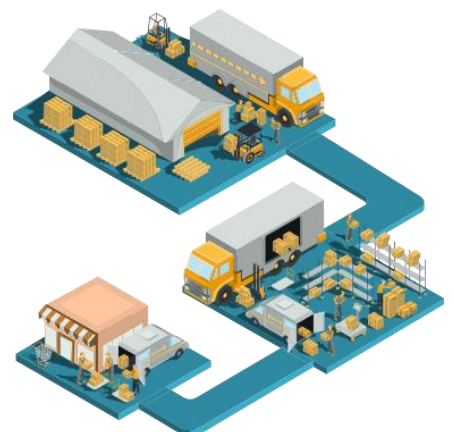
**AGRO-
INDUSTRIAL
SECTOR**
4 projects



**CONSTRUCTION
SECTOR**
7 projects



**SERVICES
SECTOR**
7 projects



PROJECT CATALOGUE

INDUSTRY — 17

Production of integrated uninterrupted power and heat supply systems for industrial and residential facilities (The Institute of Transport Systems and Technologies of the National Academy of Sciences of Ukraine, the city of Dnipro)	5
Creation of modern tractor production and agricultural machine building («Yuzhmash», the city of Dnipro)	7
Creation of biodegradable eco tableware production («Eco Corn» LLC, the city of Dnipro)	9
Creation of metal packaging production complex («Metal print» LLC, the city of Dnipro)	11
Creation of the polymer material sheets production (SPE «Ukrkhimzakhyst» LLC, the city of Pavlohrad)	13
Creation of an enterprise for the design and manufacture of high-tech equipment (SPE «Ukrkhimzakhyst» LLC, the city of Pavlohrad)	15
Creation of laminate tubes production («Eliksir» LLC, the city of Dnipro)	17
Creation of AdBlue production («MIM» PE, the city of Dnipro)	19
Production of equipment for processing and disposing construction waste (PE «PLAZIS-EM», the city of Kryvyi Rih)	21
Production of DR-grade pellets (for direct reduced iron) (LLC «METINVEST HOLDING» , the city of Kryvyi Rih)	23
Complex for thickening iron ore enrichment waste (LLC «METINVEST HOLDING» , the city of Kryvyi Rih)	25
Modernization of seamless pipe production (LLC «OSCAR Production Group», the city of Dnipro)	27
Flat green rolled steel production (LLC «INTERPIPE UKRAINE», the city of Dnipro)	29
Increase in production of railway wheels, wheelsets and axles for rolling stock (LLC «INTERPIPE UKRAINE», the city of Dnipro)	31
Construction of a new hot-dip galvanizing line for steel wire (LLC «DNIPROMETYZ TAS», the city of Dnipro)	33
Construction of a new facility for the production of electric public transport (LLC «TATRA-YUG», the city of Dnipro)	35
Serial production of automatic welding machines (PJSC ME «TEKHMASH», the city of Dnipro)	37

PROJECT CATALOGUE

MUNICIPAL SOLID WASTE — 1

New construction of a complex for the processing, neutralization and storage of municipal solid waste (the city of Kryvyi Rih) 39

ENERGY — 4

Construction of 5 MW solar power station
(«MEGAVATY», Mezhyrichska TC, Pavlohrad district) 41

Construction of 10 MW solar power station
(Vakulivska TC, Kryvyi Rih district) 43

Construction of solar power plants with capacity of 110 MW
(LLC «METINVEST HOLDING»), the city of Kryvyi Rih, Kamianske, Zaporizhzhia) 45

Construction of solar power plants with a capacity of 25.4 MW and energy storage systems (PJSC «KRYVYI RIH CEMENT», the city of Kryvyi Rih) 47

AGRICULTURAL SECTOR — 4

Construction of the agricultural and processing cluster «Chervony Tik»
LLC «AGROBUD-1688», Apostolove TC, Kryvyi Rih district) 49

Establishment of an enterprise for packing natural honey, with a capacity of 300 tons per year (individual entrepreneur Horbonos Andrii, Dnipro) 51

Complex for the production of flour and cereals products
(«White» LLC, the city of Kryvyi Rih) 53

Construction of complex for storage of food and vegetable products and its sorting
(FE «Vidrodzhennia», Petrykivska TC, Dniprovskyi district) 55

CONSTRUCTION MATERIALS — 5

Creation of construction materials manufacture
(Misto Bud M LLC, Dnipropetrovsk region) 57

Construction of a Float Glass Production Facility
(«Orion-Glass-Float» LLC, the city of Vilnohirsk) 59

Creation of a waste heat recovery system
(PJSC «KRYVYI RIH CEMENT», the city of Kryvyi Rih) 61

Modernization of the clinker kiln with the transition to alternative fuel
(PJSC «KRYVYI RIH CEMENT», the city of Kryvyi Rih) 63

Modernization of equipment for the use of RDF fuel in clinker burning during cement production (PJSC «KRYVYI RIH CEMENT», the city of Kryvyi Rih) 65

PROJECT CATALOGUE

RESIDENTIAL CONSTRUCTION — 2

- Construction of a residential complex of economy class «SMART PAVLOGRAD»** (the city of Pavlohrad) 67
- Construction of a cottage eco-town** (Novooleksandrivska TC, Dniprovskiyi district) 69

LOGISTICS — 2

- Service station** (PE «Dobratulina T.M.», the city of Pavlohrad) 71
- Creation of logistic infrastructure** («VeILSV» LLC, Illarionivska TC, Synelnykovskiyi district) 73

RECREATION INDUSTRY — 1

- Creating the Theater of Magic** (individual entrepreneur Horbonos Andrii, Dnipro) 75

MEDICINE — 3

- Medical Rehabilitation Center «GARVIS-2»** (LLC SPE «MEDICAL SYSTEMS AND TECHNOLOGIES», LLC «ENDOTECHNOMED» LLC MC «GARVIS» , the city of Dnipro) 77
- Creation of a modern medical and health complex Orlivshchyna village** («Sanatorium «Holiday Resort Orlivshchyna» , Pishchanska TC, Samarivskiyi district) 79
- Construction of the multifunctional medical center «Health Market»** (PE «POLIMED», the city of Dnipro) 81

SERVICES — 1

- Creation of modern market** (Slobozhanska TC, Dniprovskiyi district) 83



The symbol indicates a shortcut to the catalog content



Production of integrated uninterrupted power and heat supply systems for industrial and residential facilities



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

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.

The production of lithium-ion batteries as the main element of integrated power and heat supply systems is planned to begin with their assembly using cells from foreign manufacturers, which is due to relatively small volumes of capital investments and makes it possible to adjust production to new types of lithium-ion cells. In the process of development of battery production, it is planned to master the own production of some electronic battery control modules, thermal stabilization systems and body parts. In the future, development of serial production of lithium-ion battery cells will be started. Modern high-tech equipment will be used for this.



Initiator

The Institute of Transport Systems and Technologies of the National Academy of Sciences of Ukraine

<https://itst.org.ua>



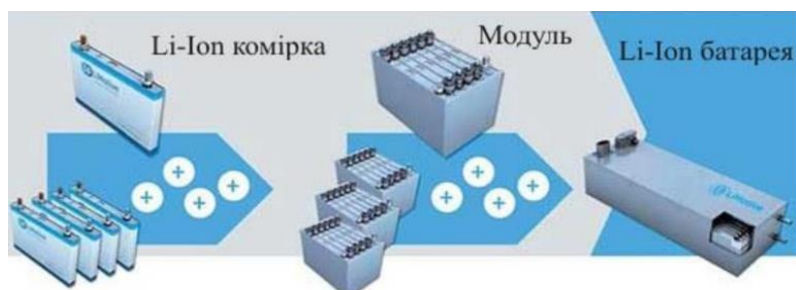
Duration

36 months



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.



Project economic indicators

Project total cost: \$65 mln

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



Production of integrated uninterrupted power and heat supply systems for industrial and residential facilities

6



Project technical parameters

Land plot characteristics :

- **area:** 5,2 ha;
- **intended purpose:** industry land;
- **cadastral number:** is assigned;
- **management:** land lessee.

Engineering infrastructure:

Water supply, gas supply, power supply are available and don't need additional investments.

Transport infrastructure:

Automotive road E50 – 7 km;

railway station «Dnipro-holovnyi» - 8 km;

railway line – 1 km;

river port – 9 km.



Mechanism of cooperation

- Investing in the project;
- Joint venture creation.



Additional information

Today, lithium-ion technology is the fastest growing and most promising area of battery production.

In 2022, the global lithium-ion battery market was estimated at \$46 billion.

According to various analytical centers, the average annual growth rate of the of the lithium-ion battery market in the coming years will be 15-19%, and its volume will reach \$170-270 billion in 2030.

The main segments of this market are autonomous electric transport and energy storage systems for both power grids and autonomous and

uninterruptible power supply systems.

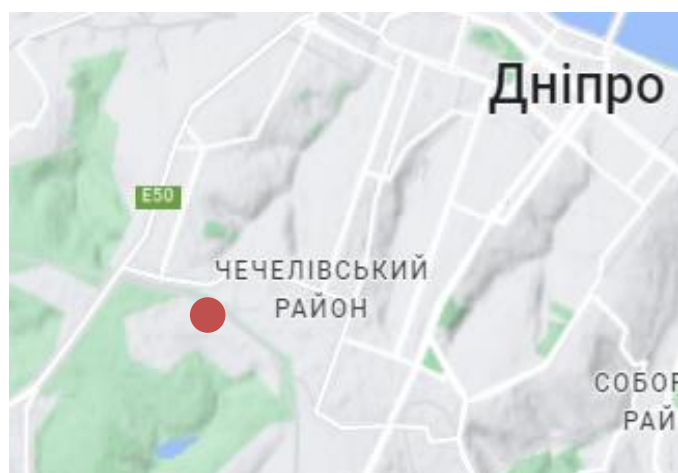
The production of such integrated systems will develop rapidly in the coming years, so an important task of industrial policy in Ukraine is to build national competencies in the production of all components of these systems, especially lithium-ion batteries, which are used in all areas of human activity.

For Ukraine, which is under the threat of damage to Ukrainian energy infrastructure as a result of hostilities, the use of such integrated solutions is not only critical, but also vital.



Project location:

Dnipropetrovsk region,
The city of Dnipro, Chechelivskyi district



DIA Dnipropetrovsk Regional Investment Agency

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Creation of modern tractor production and agricultural machine building



Saturation of the Ukrainian market of agricultural machinery with modern domestic products through cooperation of SE "Makarov Southern Machine-Building Plant" (Yuzhmash) with world manufacturers of tractors and their components.

The Ukrainian market needs in tractors are covered by imports, which account for 95% (\$796.2 mln/year).



Initiator

«YUZHMAŠ»

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



Duration

3 years



Project goals:

- utilization of existing production capacities and creation of additional capacities to produce 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 and technical re-equipment of the existing production;
- creation of additional 2000 workplaces;
- increase in tax deductions.



Economic indicators of the project

Total project cost: \$10 mln

- Company contribution to implement the project **\$ 0.3 mln**

Net Present Value (NPV)	\$ 1.5 mln	Discounted Payback Period (DPP)	4.7 years
Profitability index (PI)	1.63	EBITDA (4th year)	\$ 3.1 mln
Internal Rate of Return (IRR)	14.3 %	Revenue (4th year)	\$ 9.8 mln



Creation of modern tractor production and agricultural machine building



Project technical indicators

Company Resources:

- 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).

Engineering infrastructure:

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

Logistic infrastructure:

- road and railroad accesses to the production territory are available.

Land plot:

- **area:** 9.3 ha;
- **intended use:** industrial land;
- **cadastral number:** assigned;
- **disposer:** lessee.



Project location:

Dnipro



Mechanisms for cooperation

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



Additional information

The enterprise has sufficient production capacity to manufacture tractors. It is important for this purpose to renew material and technical base and to form a portfolio of orders. Among the possible prospects of development of the tractor plant is the project of joint production of wheeled tractors on the basis of production capacities of the Enterprise.

Production of biodegradable eco-dishware



Initiator

«ECO CORN» LLC

www.eco-corn.com



Duration

12 months



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



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;



Project economic indicators

- More than \$150,000 invested in the existing company today;
- The company's turnover per month - 30,000 - 35,000 U.S. dollars;
- Product profitability - about 25%;
- Number of employees - 10 people.
- Existing customers of the company - Epicenter, Varus, Subaru, Ferrexpo and others.



It is planned to 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.

Production of biodegradable eco-dishware



Mechanisms for cooperation

- *Investment needs of the company - 400-450 thousand dollars.*

Mechanism of 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*



Biodegradable tableware applications



Grocery production



Cafes and restaurants



Hotel and beach business



Green Office



Catering



Retail



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.



Project location: Dnipro, Dnipropetrovsk region



Dnipropetrovsk investment agency

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Production of metal packaging



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

The production is aimed at a growing market, has modern equipment and a short payback period.

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



Project goals

- compliance with modern environmental safety standards;
- annual growth of twist off lid is 10-12%;
- saturation of the both Ukraine and world market;
- creation of 30 new jobs.



Economic indicators of the project

Project cost for the second phase: \$25 mln

Company resources: \$10 mln

The first phase of construction was invested \$ 12.9 mln



Net present value (NPV)	\$4.6 mln	EBITDA (5th year)	\$11.8 mln
Internal rate of return (IRR)	22 %	Revenue (5th year)	\$49.1 mln
Payback period (PP)	5 years		



Production of metal packaging



Technical parameters of the project

Land plot characteristics

- **area:** 2.5 ha;
- **intended use:** industry land;
- **cadastral number:** issued;
- **administrator:** lease holder.

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).

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.



Project location:

I phase of the project – 4A, Symerenkivska, Str., the city of Dnipro;
II phase of the project – 5, Kursant Skorobohatsky Str., the city of Dnipro.



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Manufacture of the polymer materials sheets production



Initiator

SPE Ukrkhimzakhyst,
LLC

<http://anticor.dp.ua>



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



Duration

2 years



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.



Project economic indicators

Required investment capital: \$ 4.3 mln



Net Present Value (NPV)	\$ 1.8 mln	Discounted Payback Period (DPP)	5 years
Internal Rate of Return (IRR)	26%	EBITDA (5th year)	\$ 1.5 mln
Revenue (5th year)	\$6.5 mln		



Manufacture of the polymer materials sheets production



Mechanisms for cooperation

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



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.

Technical parameters of project
Polymer plastic sheet of polyethylene, polypropylene and other polymer materials using automated line EXT */120/* type.



Project location:

To be determined by the project initiator



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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

<http://anticor.dp.ua>



Duration

3 years



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.



Project economic indicators

Required investment capital: **\$ 1.1 mln**



Net Present Value (NPV)

\$ 10 mln

Discounted Payback Period (DPP)

5 years

Internal Rate of Return (IRR)

26%

EBITDA

\$ 1,3 mln



Creation of an enterprise for the design and manufacture of high-tech equipment



Mechanisms for cooperation

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



Additional Information

Technical parameters of 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.

The enterprise implemented 8 relevant projects: (Yug-Neftegaz Ltd, Ukrbudgaz, Roshen, JSC «U.P.E.C.», Kyslorodmash, MAS Seeds Ukraine).



Project location: To be determined by the project initiator



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Production of laminate tubes for food, cosmetic and pharmaceuticals products



Initiator

«Eliksir», LLC
www.eliksir.ua



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.



Duration

3 year



Project goals

- Reduce the business production cost by launching the line;
- Tube production;
- Tube sale;
- Creation of 70 new jobs.



Project economic indicators

Required investment capital: **\$10.2 mln**

Initiator contribution to the project implementation:
\$100 thousd.



Net Present Value (NPV)	\$2.7 mln	Discounted Payback Period (DPP)	5.1 years
Profitability index (PI)	1.26	EBITDA (5th year)	\$3 mln
Internal Rate of Return (IRR)	20 %	Revenue (5th year)	\$7.5 mln

Production of laminate tubes for food, cosmetic and pharmaceuticals products



Mechanisms for cooperation

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



Additional Information

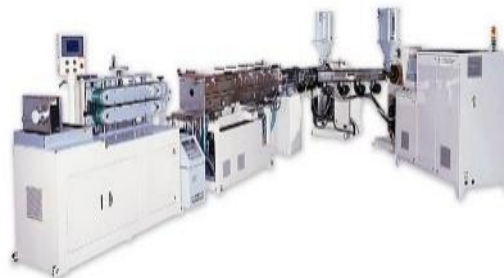
In addition to the cosmetic industry, tubes are used in various fields, for example: food industry - sauces, liquid seasonings, condensed milk; chemical industry – adhesives and encapsulant; pharmaceuticals industry - ointments, gels. On the Ukrainian market and abroad packaging in the form of a tube is very popular both in the cosmetic and in the food industries.

Almost all cosmetic manufacturers in packing products creams, gels and balms prefer tubes. The tube as packaging, is very convenient for consumers. Such manufacturers are potential buyers.



Project location:

To be determined by the project initiator





Creation of AdBlue production



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

Private enterprise "MIM", founded in 2002, acts as a partner to support the German company "BASF-CHEMETALL" in Ukraine, which is an extraordinary member of the VDA and holds a license for the AdBlue brand. Currently, PE "MIM", is looking for a partner to organize the production of AdBlue. 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



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;
- AdBlue production can become a part of the green energy strategy by using energy-efficient and environmentally friendly technologies;
- the project is orientated towards the Ukrainian consumer and for export;
 - creation of additional 9-15 workplaces.



Project economic indicators

Total project cost: \$1.1 mln

- Company contribution to implement the project **\$ 0.1 mln**

Net Present Value (NPV)	\$ 2.7 mln	Discounted Payback Period (DPP)	3 year
Profitability index (PI)	3.49	EBITDA (3rd year)	\$ 1.3 mln
Internal Rate of Return (IRR)	73%	Revenue (3rd year)	\$ 3.2 mln



Project technical parameters

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.

Electricity - 8,000 kW/month.

Transport infrastructure:

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

About 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.



Project location:

the city of Dnipro



Mechanism of cooperation

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



Additional information

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.



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 Kryvvi 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



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.



Project economic indicators

Total project cost: \$4 mln

Net Present Value (NPV)	\$41.2 mln	EBITDA (annually)	N/A
Internal Rate of Return (IRR)	37.9%	Income (annually)	N/A
Payback period (PP)	2 years		



Project technical indicators

- **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. The production of modern equipment will ensure the development of recycling technologies and support the principles of the circular economy.



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.

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.

Project status: ready for implementation.



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 HOLDING"

<https://metinvestholding.com/ua>



Duration

5 years



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

Total project cost: \$535 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

- **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.

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 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

- Metinvest Group is one of the international leaders in implementing innovations in mining and metallurgical complex of Ukraine. The company consistently implements a strategy to reduce carbon emissions and improve energy efficiency in production, focusing on European Union standards.
- The project of producing pellets for direct iron recovery is a key step in the transition to green steel production, which is in line with the priorities of the European Green Deal and creates the conditions for the integration of Ukrainian metallurgy into European low-carbon product supply chains.
- The company has its own raw material base, developed infrastructure and partnerships with international technology companies, which guarantees stable supplies and long-term competitiveness in the new generation steel market.

Project status: preliminary feasibility study



The project provides for the construction of a modern complex for thickening iron ore enrichment waste at the existing Northern Iron Ore Enrichment Works of Metinvest Group in Kryvyi Rih.

New technological complex will reduce the volume of pulp transported to tailings storage facilities by 30%, significantly reducing electricity consumption by 125 MW per year.

Realization of the project is aimed to improve the efficiency of iron ore enrichment processes and rational use of water resources.


Initiator

LLC" METINVEST
HOLDING"

<https://metinvestholding.com/ua>


Duration

3 years


Project goals

- Optimization of the technological process of enrichment waste management and improvement of the energy efficiency of the enterprise.
- Rational use of water resources by reducing the volume of water in the cycle
- Increasing the competitiveness of Metinvest Group.
- Creation of 62 new jobs.


Economic indicators of the project

Total project cost: \$146 mln, including:

Initiator contribution to the project implementation: \$114 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

- **Purpose:** thickening of iron ore enrichment waste in order to reduce the need for technical water and lower transportation costs.
- **Outcome:** 30% reduction in the volume of pulp transported to tailings storage facilities.
- **Energy efficiency:** reduction of electricity usage by 125 MW per year.
- **Main equipment:** modern thickeners, pumping stations and automated process control systems.
- **Infrastructure:** implementation at the existing Northern Iron Ore Enrichment Works of Metinvest Group in Kryvyi Rih.
- **Technology partners:** Metso Outotec, Habermann Aurum Pumpen GmbH.
- **Environmental efficiency:** reducing the energy intensity of processes and the technological load on the environment.
- **Readiness stage:** a land plot has been rented. Construction and installation works are in progress and equipment is in production.

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 location:

The city of Kryvyi Rih



Mechanisms of cooperation

- Involvement of credit resources, grant funds and direct investments.



Additional information

- Project is a part of energy efficiency program of Metinvest Group which is focused on implementation modern production waste management technologies.
- The construction of the thickening complex will ensure the rational use of natural resources and reduce the need for clean water.

Project status: in progress



The project provides for the modernization of the production of seamless pipes made of titanium, nickel and stainless alloys at the LLC "OSCAR Production Group".

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/en/>



Duration

3 years



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.
- Increase in the volume of exports of high value-added products.
- Reducing costs and increasing competitiveness.
- Creation of 70 new jobs



Project economic indicators

Total project cost: **\$20 mln** , including:

Initiator contribution to the project implementation: **\$4 mln**

Net Present Value (NPV)	\$16 mln	EBITDA (5 th year)	\$6.6 mln
Internal Rate of Return (IRR)	20.2 %	Income (5 th year)	\$24 mln
Payback period (PP)	6 years		



Project technical indicators

- **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 status:** conception.

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 location:

The city of Dnipro



Mechanisms of cooperation

- Involvement of credit resources, grant funds and direct investments.
- Financial partnership.
- Other opportunities of cooperation.



Additional information

- 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.



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



Project goals

- Increase steel production by 1 million tons per year.
- 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

Total project cost: \$1 000 mln

Net Present Value (NPV)	on request	EBITDA (2 nd year)	\$300 mln
Internal Rate of Return (IRR)	on request	Income (2 nd year)	\$1 600 mln
Payback period (PP)	8 years		



Flat 'green' rolled steel production



Project technical parameters

- **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:** 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; closed water supply and air purification cycles.
- **Readiness stage:** concept. All necessary local permits for steel production are available.

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 location:

The city of Dnipro



Mechanisms of cooperation

- Involvement of credit resources, grant funds and direct investments.
- Financial partnership.
- Other opportunities of cooperation.



Additional information

- 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.

Project status: conception



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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.

The project focuses on import substitution of rolling stock components, development of high-tech mechanical engineering and increase of exports to the EU, the Middle East and Asia.



Initiator

LLC "INTERPIPE UKRAINE"

<https://interpipe.biz/>



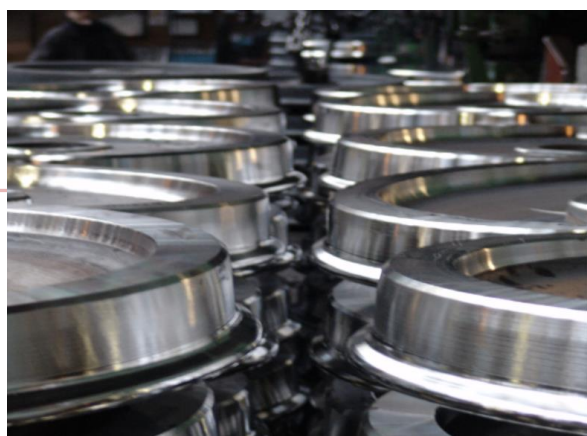
Duration

3 years



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

Total project cost: \$120 mln

Net Present Value (NPV)	\$35.7 mln	EBITDA (5 th year)	\$117 mln
Internal Rate of Return (IRR)	45%	Income (5 th year)	\$320 mln
Payback period (PP)	2.5 years		



Increase in production of railway wheels, wheelsets and axles for rolling stock



Project technical parameters

- **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.

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 location:

The city of Dnipro



Mechanisms of cooperation

- Involvement of credit resources, grant funds and direct investments.
- Financial partnership.
- Other opportunities of cooperation.



Additional information

- 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.

Project status: conception



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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 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.

The project will reduce production costs, increase output to 24.000 tons per year and diversify products in the higher value-added segment.



Initiator

LLC “DNIPROMETYZ TAS”

<https://dniprometiz.com/>



Duration

3 years



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.



Project economic indicators

Total project cost: **\$4 mln**, including:

Initiator contribution to the project implementation: **\$2mln**

Net Present Value (NPV)	\$1.5 mln	EBITDA (annually)	\$0.9 mln
Internal Rate of Return (IRR)	26%	Income (annually)	\$1.4 mln
Payback period (PP)	4.8 years		



Project technical indicators

- **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.

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 location:

The city of Dnipro



Mechanisms of cooperation

- Involvement of credit resources, grant funds and direct investments.
- Financial partnership.
- Other opportunities of cooperation



Additional information

- 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.

Project status: ready for implementation.

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 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.

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



Initiator

LLC "TATRA-YUG"
<https://tatra-yug.com.ua/>



Duration
 2 years



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.



Project economic indicators

Total project cost: **\$33 mln**, including:

Initiator contribution to the project implementation: **\$3 mln**

Net Present Value (NPV)	\$142 mln	EBITDA (5 th year)	\$26 mln
Internal Rate of Return (IRR)	42%	Income (5 th year)	\$109 mln
Payback period (PP)	4 years		



Construction of a new facility for the production of electric public transport



Project technical indicators

- **Production capacity:** 100 transport units per year
- **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.

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 location:

The city of Dnipro



Mechanisms of cooperation

- Involvement of credit resources, grant funds and direct investments.
- Financial partnership.
- Other opportunities of cooperation.



Additional information

- 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%.

Project status: conception



Serial production of automatic welding machines

37



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



Duration

3 years



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.
- Improve the efficiency and accuracy of welding processes through their automation.
- Provide import substitution in the welding equipment segment.
- Create a competitive Ukrainian product capable of entering foreign markets and strengthening the export potential of the industry.
- Creating up to 18 new jobs.



Project economic indicators

Total project cost: **\$2.5 mln**

Net Present Value (NPV)	\$0.5 mln	EBITDA (5 th year)	\$0.5 mln
Internal Rate of Return (IRR)	21 %	Income (5 th year)	\$1.2 mln
Payback period (PP)	5 years		



Serial production of automatic welding machines

38



Project technical indicators

- 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.

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.



Project location:

The city of Dnipro



Mechanisms of cooperation

- Involvement of credit resources, grant funds and direct investments.
- Financial partnership.
- Other opportunities of cooperation.



Additional information

- 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.

New construction of a complex for the processing, neutralization and storage of municipal solid waste in the Metallurgical District of Kryvyi Rih, Dnipropetrovsk Region



Construction of a waste processing plant with a capacity of 150 thousand tons of mixed waste per year, which meets high quality standards, similar to those built in the EU countries.

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.

The land plot for the placement of a complex for the processing of solid waste is located in the Metallurgichesky district of Krivyi Rih in the industrial zone.

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 solid).



Initiator

Kryvyi Rih city council

<https://kr.gov.ua>



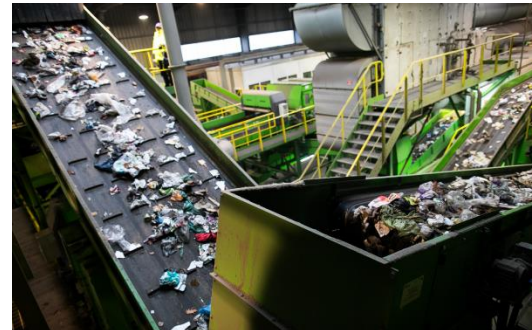
Duration

2 years



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.
- Improvement of environmental safety and quality of life for urban residents.



Project economic indicators

The planned cost of the project is **\$66 million**

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

New construction of a complex for the processing, neutralization and storage of municipal solid waste in the Metallurgical District of Kryvyi Rih, Dnipropetrovsk Region



Technical details of the project

Land plot characteristics:

- **area:** 45.77 ha;
- **Intended purpose:** for the placement and operation of the main, auxiliary and auxiliary buildings and structures of enterprises of the processing, machine-building and other industries for the new construction of a complex for the processing, neutralization and storage of municipal solid waste
- **cadastral number:** issued;
- **leaseholder:** Kryvyi Rih city council.

Transport infrastructure:

- national highway: H11 (Dnipro-Mykolaiv) – 6.5 km, H23 (Kirovohrad – Kryvyi Rih - Zaporizhzhia) - 6.2 km;
- regional road: R-74 - 5.5 km.



Project location:

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



Mechanisms for cooperation

- investment 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.

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.



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Construction of 5 MW solar power station



Initiator

MEGAVATY, Ltd.



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.

Key features:

- electricity sale on «green» tariff;
- «green» tariff is pegged to the Euro exchange rate;
- increase of the total share of renewable energy in total.

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.



Duration

6 months



Project goals:

- electricity generation from renewable sources;
- generation of environmentally safe electricity for the further sale within a «green» tariff;
- reducing greenhouse gas emissions from electricity generation.
- creation of 8 new jobs



Project economic indicators

Required investment capital: \$5.6 mln



Net Present Value (NPV)

\$4 mln

Discounted Payback Period (DPP)

5 years

Profitability index (PI)

1.69

EBITDA (5th year)

\$21.2 mln

Internal Rate of return (IRR)

8 %

Revenue (5th year)

\$1.5 mln



Construction of 5 MW solar power station



Project technical parameters

Land plot characteristics:

- **area:** 10 ha (5 land plots of 2 ha);
- **intended purpose of the use:** power industry;
- **cadastral number:** 1223583800:01:001:0442;
- **leaseholder:** MEGAVATY, Ltd..

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).

Transport infrastructure:

distance to:

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



Mechanisms for cooperation:

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



Additional information

"Green" tariffs for electricity produced from alternative sources for the period of martial law in Ukraine:

- payments under the "green" tariff during martial law are made, but the very model of payment for the sale of electricity generated by solar power plants has changed. The price for 1 kW of electricity sold is on average UAH 1.68;
- it is possible to build solar power plants during martial law, but only those who received the technical conditions before February 24, 2022 will be able to receive a contract for the sale of electricity under the terms of the "green" tariff, and new SPPs will be able to receive technical conditions only after the end of martial law in the country.

**The amount of payments will be determined by the formula: the tariff for the population (1.68 hryvnias/kWh) multiplied by the percentage of payment received from consumers in the region in the month of generation.*



Project location: Mezhyricka TC, Dnipropetrovsk region



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Construction of 10 MW solar power station



Initiator

Vakulivska TC



Duration

6 months



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.

Key features:

- electricity sale on «green» tariff;
- «green» tariff is pegged to the Euro exchange rate;
- increase of the total share of renewable energy in total.

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;

Also, Vakulivska TC will assist in: obtaining the necessary permits, drawing up documents, attracting specialists and will provide comprehensive informational support to the investor.



Project goals:

- electricity generation from renewable sources;
- generation of environmentally safe electricity for the further sale within a «green» tariff;
- reducing greenhouse gas emissions from electricity generation.
- creation of 8 new jobs.



Project economic indicators

Estimated cost of the construction project with a planned capacity of 10 MW ≈\$12.7 mln*

Net Present Value (NPV)	\$ 8.2 mln	Payback period- PP	6 years
Profitability index (PI)	1.69	EBITDA	\$21.2 mln
Internal Rate of return (IRR)	8 %	Common benefit per year:	\$2.9 mln

**Economic indicators of the project may change depending on the capacity of the SPP that will be installed in the specified territory and the current "green" tariff after commissioning*



Construction of 10 MW solar power station



Project technical parameters

Land plot characteristics:

- **area:** 21 ra;
- **intended purpose of the use:** power industry;
- **cadastral number:** 1225283300:02:001:0070;
- **leaseholder:** Vakulivska TC;
- **distance from the residential area:** 50 m;

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.

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).



Mechanisms for cooperation:

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



Additional information

"Green" tariffs for electricity produced from alternative sources for the period of martial law in Ukraine:

- payments under the "green" tariff during martial law are made, but the very model of payment for the sale of electricity generated by solar power plants has changed. The price for 1 kW of electricity sold is on average UAH 1.68;
- it is possible to build solar power plants during martial law, but only those who received the technical conditions before February 24, 2022 will be able to receive a contract for the sale of electricity under the terms of the "green" tariff, and new SPPs will be able to receive technical conditions only after the end of martial law in the country.

**The amount of payments will be determined by the formula: the tariff for the population (1.68 hryvnias/kWh) multiplied by the percentage of payment received from consumers in the region in the month of generation.*



Project location: Vakulivska TC, Dnipropetrovsk region



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The project provides for the construction of a modern complex for thickening iron ore enrichment waste at the existing Northern Iron Ore Enrichment Works of Metinvest Group in Kryvyi Rih.

New technological complex will reduce the volume of pulp transported to tailings storage facilities by 30%, significantly reducing electricity consumption by 125 MW per year.

Realization of the project is aimed to improve the efficiency of iron ore enrichment processes and rational use of water resources.


Initiator

LLC" METINVEST HOLDING"

<https://metinvestholding.com/ua>


Duration

3 years


Project goals

- Optimization of the technological process of enrichment waste management and improvement of the energy efficiency of the enterprise.
- Rational use of water resources by reducing the volume of water in the cycle
- Increasing the competitiveness of Metinvest Group.
- Creation of 62 new jobs.


Economic indicators of the project

Total project cost: \$146 mln, including:

Initiator contribution to the project implementation: \$114 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

- **Purpose:** thickening of iron ore enrichment waste in order to reduce the need for technical water and lower transportation costs.
- **Outcome:** 30% reduction in the volume of pulp transported to tailings storage facilities.
- **Energy efficiency:** reduction of electricity usage by 125 MW per year.
- **Main equipment:** modern thickeners, pumping stations and automated process control systems.
- **Infrastructure:** implementation at the existing Northern Iron Ore Enrichment Works of Metinvest Group in Kryvyi Rih.
- **Technology partners:** Metso Outotec, Habermann Aurum Pumpen GmbH.
- **Environmental efficiency:** reducing the energy intensity of processes and the technological load on the environment.
- **Readiness stage:** a land plot has been rented. Construction and installation works are in progress and equipment is in production.

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 location:

The city of Kryvyi Rih



Mechanisms of cooperation

- Involvement of credit resources, grant funds and direct investments.



Additional information

- Project is a part of energy efficiency program of Metinvest Group which is focused on implementation modern production waste management technologies.
- The construction of the thickening complex will ensure the rational use of natural resources and reduce the need for clean water.

Project status: in progress



Construction of solar power plants with a capacity of 25.4 MW and energy storage systems

47



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.

The total installed capacity of the SPP will be 25.4 MW, enabling it to generate approximately 31 GWh of electricity per year, reducing external energy consumption, cutting operating expenses by about \$3.5 mln and reducing CO₂ emissions.



Initiator

PJSC "KRYVYI RIH CEMENT"
<https://krcement.com/>



Duration

1 year



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.



Project economic indicators

Project cost: **\$18 mln**, including:

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

Net Present Value (NPV)	\$14.4 mln	EBITDA (3 rd year)	\$4.8 mln
Internal Rate of Return (IRR)	22%	Income	Internal economic impact
Payback period (PP)	6.8 years		



Construction of solar power plants with a capacity of 25.4 MW and energy storage systems

48



Project technical parameters

- 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.

About the company PJSC "Kryvyi Rih Cement":

- 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.
- 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.



Mechanism of cooperation

- Attracting credit resources, grant funding and direct investments.
- Financial partnership.
- Other forms of cooperation.



Additional information

- In the context of the full-scale war and regular attacks on Ukraine's energy infrastructure, ensuring a stable energy supply for industrial enterprises is of strategic importance. 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.

Project status: ready for implementation.



Project location

The city of Kryvyi Rih



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Construction of the agricultural and processing cluster “Chervony Tik”



The project provides for the construction of the agricultural and processing cluster “Chervony Tik” based on the existing production capacities of the enterprise.

The project aims to gradually develop an integrated agricultural complex that combines growing crops, processing them and producing bioenergy. The project includes:

- expanding the land bank to 1,000 ha;
- creating a complex for raising poultry (meat and egg production) with the possibility of further processing;
- building a feed production;
- production of bioorganic fertilizers from agricultural residues;
- development of greenhouse farming for growing vegetables and greens.



Initiator

LLC “AGROBUD-1688”



Duration

3 years



Project goals

- Construction of a modern agricultural production cluster with a full cycle – from growing raw materials to producing finished products with high added value.
- Expansion of the land bank to 1,000 ha over 3-5 years to provide a raw material base and increase agricultural production.
- Building a poultry complex and feed production with a closed cycle—from growing feed to making meat and egg products.
- Production of bioorganic fertilizers from agricultural residues to improve soil fertility and implement ecological technologies.
- Starting a greenhouse business for year-round cultivation of vegetables and greens with the purpose of diversifying production and increasing the food autonomy of the region.
- Creation of 70 new jobs.



Project economic indicators

Total project cost: \$3 mln

Net present value (NPV)	\$0.5 mln	EBITDA (4 th year)	\$0.5 mln
Internal Rate of Return (IRR)	17.6%	Revenue (4 th year)	\$1.75 mln
Payback period	4.5 years		

Construction of the agricultural and processing cluster “Chervony Tik”



Project technical indicators

- **Total land area:** 10 ha (privately owned, agricultural use).
- **Existing production buildings:** 6.000 m², suitable for reconstruction into a feed production, poultry complex, storage facilities, laboratory and administrative and support block. The buildings are connected to electricity, water and gas supplies, providing a quick start of the project without the need for new connections.
- **New construction projects:** construction of a greenhouse complex, bioorganic fertilizer production line and supporting infrastructure.
- **Expected land bank after expansion:** 1.000 ha over 3–5 years.
- **Environmental efficiency:** a closed-loop waste management system is planned, involving the processing of poultry manure and plant residues into bio-organic fertilizers, which reduces CO₂ emissions and improves soil fertility. In greenhouses, the use of drip irrigation and drainage water recirculation is planned, which decreases the consumption of water resources.
- **Readiness stage:** land, buildings, and utilities are available. The project needs modernization, a feasibility study and investment.



Project location:

Apostolove territorial community, Kryvyi Rih district, Dnipropetrovsk region



Mechanisms of cooperation

- Involvement of credit resources, grant funds and direct investments.
- Financial partnership.
- Other opportunities of cooperation.



Additional information

Approximate production facilities after the project launch. At the first stage (investment of \$3 million), the project provides for the launch of basic production using the existing facilities of the enterprise and the construction of a greenhouse complex and a biofertilizer line.

- **Poultry farming (broilers):** up to 240.000 birds/year (\approx 430 tons of meat) in three to four growing cycles. Production is planned to be located in renovated facilities with the possibility of further expansion to 400.000 birds/year by constructing additional buildings.
- **Production of bioorganic fertilizers:** up to 1.000–1.200 tons/year at the start, with the possibility of scaling up to 1.500–2.000 tons/year after expanding agricultural production volumes.
- **Feeding plant:** capacity up to 5 tons/hour, provision of internal needs of the farm with the perspective of partial sale of feed on the external market after expansion of poultry farming.
- **Greenhouse farming:** 2 ha of modern greenhouses with basic automation, yield — up to 500 tons of vegetables and greens per year. A gradual increase in area to 3–4 ha is planned in the second phase of the project.



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Creation of an enterprise for packing natural honey, capacity of 300 tons per year



The initiator of the project seeks to develop and expand its own production by acquiring the necessary equipment for packing honey.

Currently, honey is packed in glass and plastic containers with subsequent sale to individual consumers in Ukraine (through social networks, advertising products, etc.) up to 5 tons of finished products per year. For this purpose honey is bought as traditional Ukrainian varieties - acacia, linden, sunflower, buckwheat, and author's honey - "Amber potion", "Carpathian power" with available certificates of origin and quality of honey.

In order to increase the volume of honey packing it is planned to install the production line with the capacity up to 300 tons/year. Besides, the project provides creation of the line of unique method of honey packing "A drop of honey". Now the industrial sample of honey packing container is already patented and includes packing not only honey, but also other products - sauces, jams, etc., including medicines - mixtures, powders, medicinal syrups, etc.



Initiator

**Individual entrepreneur
Horbonos Andrii,**

**Founder of
SpravdiMed TM**



Duration

12 months



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;
- become a reliable source of filling the state budget of Ukraine with funds from taxes and export operations;
- To create 10 workplaces.



Economic indicators of the project

Total project cost: \$ 82 thousand.

Net Present Value (NPV)	\$ 737 thousand	Payback period (PP)	2.4 years
Profitability index (PI)	2.87	EBITDA (3rd year)	\$ 246 thousand
Internal Rate of Return (IRR)	56.3 %	Revenue (3rd year)	\$ 1,6 mln



Creation of an enterprise for packing natural honey, capacity of 300 tons per year



Project technical parameters

Premises characteristics:

- space area: up to 250 m², which includes a separate area of up to 50 m² for honey storage;
- intended use: production of food products;
- condition of the premises: in good working order;
- disposer: the landlord is a legal person.

Engineering infrastructure:

- electric power: city power networks
- Water supply and sewage: centralized;
- gas supply: on the territory;
- Heating system: electric;
- Ventilation system: available.

Logistics infrastructure:

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

Initiator resources:

- Premises up to 250 m²;
- assortment of honey;
- tare, packaging materials;
- patented technology of production;
- advertising materials, Internet resources;
- human resources;
- client base.



Project location

the city of Dnipro



Mechanisms for cooperation

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



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 (disabilities) with their subsequent free transfer to specialized educational and training institutions;
- "Honey Heart" - aimed at providing temporarily displaced persons from the war zones with the things of prime necessity and foodstuffs;
- "Children's Honey Hub" - children's creativity center.

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.



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Flour and cereals production complex



Proposed land plot in an industrial area of Kryvyi Rih, for the construction of a complex for the production of flour-and-cereal products. The area has a favorable logistics infrastructure - access roads, as well as railroad tracks at a distance of less than 1 km.



Initiator

«WHITE» LLC
www.vait.in.ua



Project goals

- production of quality flour and cereals for domestic and foreign markets;
- use of the logistics potential of the Grekovataya railway station;
- development of the agro-industrial complex sector in order to increase tax revenues to the budget;
- creation of additional jobs;
- attraction of capacities of local enterprises to the project of construction of the complex.

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.



Economic indicators of the project

Economic indicators are calculated by the investor depending on the construction project of the flour and cereals complex

Flour and cereals production complex (Kryvorizky district)



Technical parameters of the project

Characteristics of the land plot:

- **area:** 15.317 ha;
- **intended purpose:** complex of non-residential buildings and structures;
- **cadastral number:** 1211000000:07:519:0007;
- **leaseholder:** communal property.
- **Engineering infrastructure:**
- **Water supply/drainage** - none, there is a possibility of connection at a distance of less than 1 km;
- **Gas supply** - no, there is a possibility of connection at a distance of less than 1 km;
- **Electricity** - at a distance of ≈ 3 km there is a substation "№3" 35/6 with a rated capacity of 2x6300 kVA.



Mechanisms for cooperation

- Sale of corporate rights
- **Logistics infrastructure:**
- distance to the road of territorial importance T1215 - 14,5 km;
- distance to the road of regional importance R74 - 15,5 km;
- distance to the road of national importance H23 - 14,8 km;
- Distance to the international airport "Kryvyi Rih" - 19,5 km;
- м. Dnipro - 160 km;
- м. Nikopol - 133 km;
- м. Zaporizhzhia - 211 km.
- **Neighboring areas:**
Promhydrotechstroy LLC, Myrivka plant of armed concrete structures, railway station Grekuvata.



Project Location: Dnipropetrovsk region, Kryvorizka TC



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»

www.eko-sad.com



Duration

6 months



Project goals

- the construction of complex for storage of fruit and vegetable products and its sorting provides the opportunity to comply with requirements for entering to the outlet chain, namely: annual product delivery, high volumes, lot homogeneity;
- 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;
- it is planned to access to international markets of fruits and vegetables;
- the opportunity of project scale expansion: in the long term it is expected the extension of space for gardens and small fruit acreage up to 105 ha and for vegetables up to 100 ha;
- creation of more than 150 jobs.



Project economic indicators

Required investment capital: \$3.5 mln

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



Construction of a complex designed for storage, sorting, packaging of fruits and vegetables



Project technical parameters

Land plot characteristics:

- **area:** 2.4 ha;
- **intended use:** for conducting of the commodity agricultural production;
- **cadastral number:** issued;
- **leaseholder:** farming enterprise «Vidrodzhennia».

Engineering infrastructure:

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

Initiator contribution to the project implementation:

- 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 to the highway Dnipro-Poltava-Kyiv;
- 25 km to the railway station.



Project location:

Petrykivska TC, Dnipropetrovsk region



Mechanisms for cooperation

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



Additional information

Main activities:

cultivation of agricultural products:

- fruits (apples) – 2400 tonnes;
- berries (strawberry) – 50 tonnes;
- vegetables (potatoes, beets, carrots, onions) – 5000 tonnes.

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.

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



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

Required investment capital: \$2.2 mln

Own floating assets – \$100 thousand.



Net Present Value (NPV)	\$3 mln	Payback period (PP)	2 years 7 months
Profitability index (PI)	1.36	EBITDA	\$800 thousand.
Internal Rate of Return (IRR)	46%		

Creation of construction materials manufacture



Technical parameters of the project

Land plot characteristics:

- land plot area: 2,5 thousd. m²;
- intended purpose: 3.1.5 землі підприємств;
- leaseholder: "Misto Bud M" LLC.

Company's resources:

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

Engineering infrastructure:

gas, water, sewerage, electricity available.

Logistics infrastructure:

- highway H-23 – 10 km;
- railway station- 3 km;
- river port – 15 km.



Project location:

the city of Marhanets, Dnipropetrovsk region



Mechanisms for cooperation

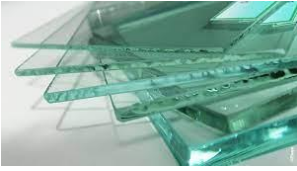
- share participation;
- creation of joint venture.



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.



Creation of float glass production



The territory in the industrial zone of Vilnohirsk is offered for creation of float-glass production.

The territory has favorable logistical infrastructure - access roads and railroad tracks are located at a distance of 100 m. There is also a raw material base for quick start of the project: quartz sand for glass industry produced by the branch "Vilnohirsk Mining and Metallurgical Plant" of JSC "United Mining and Chemical Company".

Currently Ukraine does not produce float glass.

The project realization is envisaged through location of float-glass production by a profile company, with possible cooperation with a Ukrainian enterprise.



Enterprise to Cooperate with:

«Orion-Glass-Float» LLC

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



Duration

1 year



Project goals:

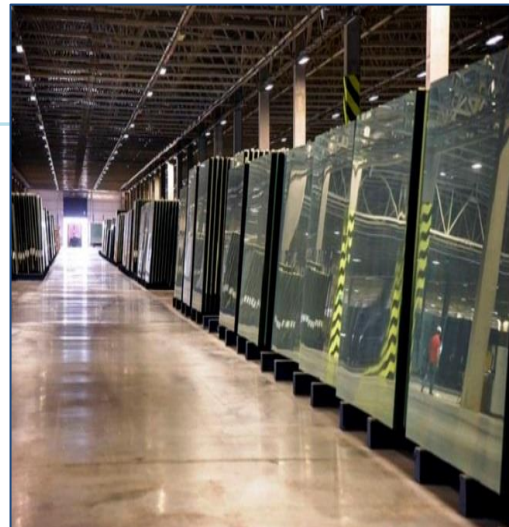
- to provide the Ukrainian market with domestic float glass;
- to invest in float-glass production, import of which is 97% (\$150 mln/year);
- to use cooperation with local industrial enterprises, which extract raw materials (quartz sands) for float-glass production, to reduce production costs;
- create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

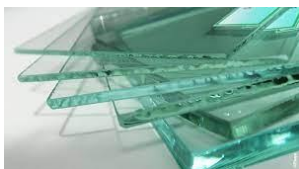


Project economic indicators

Potential project cost: **\$200 mln**

Expected performance: **750 tons per day**





Creation of float glass production



Project technical parameters

Characteristics of plots:

area: 26 ha;

intended use: industrial land;

cadastral numbers: assigned.

private ownership: Orion-Glass-Float LLC

The land plot is included into the General Plan of Vilnohirsk city.

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.

Logistics infrastructure:

territorial highway - 1.5 km;

railroad - 0.4 km;

railway station - 3.7 km;

Dnipro - 108 km;

Kryvyi Rih - 103 km;

Zaporizhzhia - 171 km.



Project Location:

Vilnohirsk, Dnipropetrovsk region



Mechanism of cooperation

- the creation of a joint venture.

«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.



Additional information

Neighboring land plots:

Vilnohirsk Glass Ltd;

sand processing unit;

Vilnohirsk railroad station;

Vilnohirsk motor transportation enterprise;

electric substation "VDGMK".



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Waste heat recovery system

61



PJSC “Kryvyi Rih Cement” plans to implement a project to create a waste heat recovery system at its production facilities. The project envisages the purchase, installation and integration of modern equipment that will enable it to convert the heat generated during the clinker burning process into electricity for own production needs.



Initiator

PJSC “KRYVYI RIH CEMENT”

<https://krcement.com/>



Duration

2 years



Project goals

- Improve the energy efficiency in production by utilising the heat lost during clinker burning.
- Ensure own production of up to 43 GW of electricity per year by converting the heat generated during clinker burning.
- Reduce consumption of external energy resources and stabilize operations during energy risks.
- Reduce CO₂ emissions and support national goals for industry decarbonization.
- Optimize production expenses and increase the competitiveness of cement products.
- Create up to 15 new jobs.



Project economic indicators

Project cost: \$29 mln, including:

Company's resources for project implementation: \$8.7 mln

Net present value (NPV)	\$14.4 mln	EBITDA	\$6.5 mln
Internal rate of return (IRR)	19%	Income	Internal economic impact
Payback period (PP)	9.9 years		



Waste heat recovery system



Project technical parameters

- **Key components:** waste heat recovery boilers, heat exchangers, steam turbine, generator, automation and monitoring systems.
- **Project duration:** 2 years (phases: design, procurement, installation, commissioning).
- **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.

About the company PJSC “Kryvyi Rih Cement”:

- 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.
- The implementation of the waste heat recovery system will enable the efficient use of production process resources, reduce energy consumption and enhance the environmental responsibility of the company.
- The development of such technological solutions strengthens PJSC “Kryvyi Rih Cement’s” position as an innovative company that implements modern standards of sustainable industrial development in Ukraine.



Project location

The city of Kryvyi Rih



Mechanism of cooperation

- Attracting credit resources, grant funding and direct investments.
- Financial partnership.
- Other forms of cooperation.



Additional information

- In the context of the war and constant attacks on Ukraine's energy infrastructure, the stability of industrial production is of strategic importance. Ensuring the continuous operation of enterprises such as PJSC “Kryvyi Rih Cement” is an important component of the region's economic stability and support for the country's recovery.
- 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.

Project status: ready for the development of project documentation.



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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. The modernization meets current energy efficiency standards and supports the environmental transformation of cement production.



Initiator

PJSC “KRYVYI RIH CEMENT”

<https://krcement.com/>



Duration

2.5 years



Project goals

- Increase the efficiency and capacity of clinker production.
- Transition to alternative fuel RDF with heat substitution up to 45%.
- Increase kiln productivity to 4,000 tons of clinker per day (+15%) to meet the growing demand for cement.
- 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

Project cost: \$25 mln, including:

Company's resources for project implementation: \$7.5 mln

Net Present Value (NPV)	\$39.8 mln	EBITDA	\$12.0 mln
Internal Rate of Return (IRR)	29%	Income	Internal economic impact
Payback period (PP)	6.4 years		



Modernization of the clinker kiln with the transition to alternative fuel



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.

About the company PJSC “Kryvyi Rih Cement”:

- 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.
- Due to the implementation of this project, PJSC «Kryvyi Rih Cement» not only enhances its production flexibility and competitiveness but also contributes to the development of Ukraine's circular economy by creating demand for recycled waste as an energy resource.



Project location

The city of Kryvyi Rih



Mechanism of cooperation

- Attracting credit resources, grant funding and direct investments.
- Financial partnership.
- Other forms of cooperation.



Additional information

- In the context of war and constant attacks on the energy and industrial infrastructure of Ukraine, maintaining stable production is critical for the country's economy. Ensuring the uninterrupted operation of cement plants is of strategic importance for the implementation of recovery programs and the development of the construction industry.
- 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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Modernization of equipment for the use of RDF fuel in clinker burning during cement production

65



PJSC «Kryvyi Rih Cement» plans to implement a project for the reequipping 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



Project goals

- Transition from coal to alternative fuel (RDF) produced from recycled municipal waste.
- Reduce CO₂ emissions by 60% and decrease residual combustion waste by 80%.
- 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

Project cost: **\$4.4 mln**, including:

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

Net Present Value (NPV)	\$4.3 mln	EBITDA	\$1.3 mln
Internal Rate of Return (IRR)	25%	Income (per year)	\$1.3 mln
Payback period (PP)	6.3 years		



Modernization of equipment for the use of RDF fuel in clinker burning during cement production

66



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.

About the company PJSC «Kryvyi Rih Cement»:

- 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.



Mechanism of cooperation

- Attracting credit resources, grant funding and direct investments.
- Financial partnership.
- Other forms of cooperation.



Additional information

- In conditions of war and constant attacks on critical infrastructure, ensuring the stable operation of industrial enterprises is of strategic importance for the country's economy. The use of local energy resources, in particular RDF, reduces dependence on imported coal and maintains continuity of production even in conditions of energy instability.
- 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.



Project location:

The city of Kryvyi Rih



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Construction of an economy-class residential complex «SMART PAVLOGRAD»

67



Initiator

Pavlohrad city council

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



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



Duration

18 months - design + construction



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.



Economic indicators of the project

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



Construction of an economy-class residential complex "SMART PAVLOGRAD"



Project technical parameters

Land plot characteristics:

- **total area:** 2 ha;
- **intended purpose:** for the construction and maintenance of an apartment building;
- **cadastral number:** none
- **leaseholder:** Pavlohrad city council
- **Engineering infrastructure:**
- Available next to the plots, communications are ready for connection
- **Logistics infrastructure:**
- international highway - 1 km;
- Railway station - 2.9 km;
- Airport - 90.3 km;
- river - 7 km;
- Dnipro - 80,8 km.

Limitation on the number of floors of the residential complex - 9 floors



Project Location:

Dnipropetrovsk region, the city of Pavlohrad



Mechanisms for cooperation

- Lease of a land plot;
- Another mechanism of cooperation may be determined by the Pavlohrad City Council and the project investor.



Additional Information

Contacts of the initiator:

Pavlohrad City Council

Address:

the city of Pavlohrad

Web: pavlogradmrada.dp.gov.ua

Contact person: Kusochkina Svetlana Nikolaevna
- Head of the Department for Entrepreneurship Support and Investment Attraction

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

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



Construction of a cottage eco-town



Initiator

Novooleksandriv'ska TC and busines

www.novool.otg.dp.gov.ua



Duration

12 months



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;
- business class.

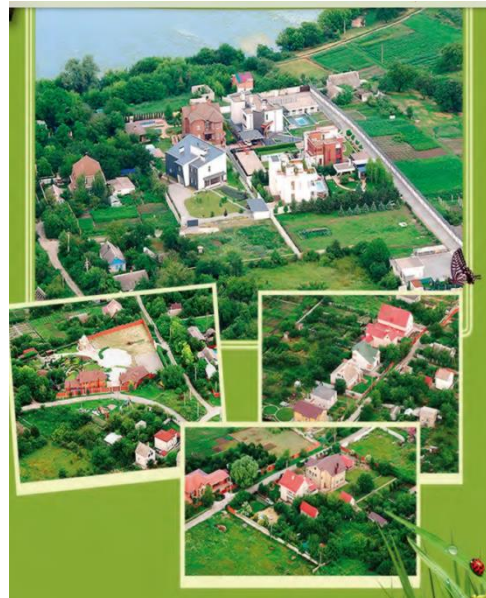
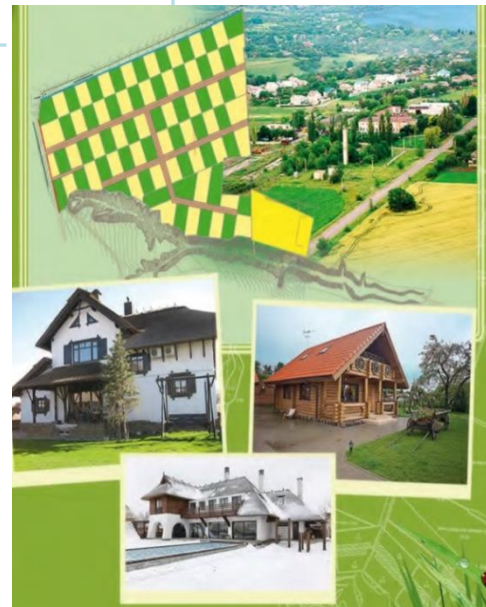


Project goals:

- Satisfying the region population demand in a comfortable and affordable suburban housing.

Project benefits

- convenient location: the cottage eco-town settlement is located outside the large metropolis – 26 km from the Dnipro city;
- infrastructure advantages will allow to use the potential of a suburban housing estate for personal space comfortable organization (protected territory, video surveillance around the perimeter, territory patrolling, personal parking);
- private house isolation eliminates the possibility of unnecessary noise;
- absence of undesirable neighborhood;
- environmentally friendly living conditions;
- personal land plot allows to implement any landscape ideas in an individual style.



Project economic indicators:

Economic indicators are calculated depending on the chosen type of cottage settlement.



Construction of a cottage eco-town



Project technical parameters

Land plot characteristics:

- **area:** 16 ha (area is divided into 91 land plots (ranging in size $\approx 0,15$ ha);
- **intended use:** for construction and maintenance of the residential house;
- **cadastral number:** issued;
- **administrator:** private person.

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).

Transport infrastructure:

- the Dnieper river – 1 km;
- a local paved road leads to the land plots;
- national highway H-23 – 9 km;
- international airport «Dnipropetrovsk» – 21 km;
- the city of Dnipro – 26 km;
- transfer of the Voloske village from Dnipro.



Project location:

Novooleksandrivska TC, Dnipropetrovsk region



Mechanisms for cooperation

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



Additional information

Today, suburban individual housing is becoming increasingly popular. According to opinion polls, 53% of Ukrainian citizens chose to have their own home in the country instead of an apartment in an apartment building.

According to the real estate leading experts estimates, suburban housing market is the most promising in Ukraine.

Experts say that this market is entering a new development stage - from «consumer» it turns into «supply market».





Service station



Initiator

Private Enterprise
«Dobratulina T.M.»



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.).

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).



Duration

11 months



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:

Required investment capital: \$275 thousand

- Initiator contribution to the project implementation: **\$137.5 thousand**
- Required investment capital: **\$137.5 thousand**



Service station



Project technical parameters

Land plot characteristics:

- **area:** 0.16 ha;
- **intended use:** commercial activities (car service station);
- **cadastral number:** 1212400000:03:022:0023;
- **administrator:** Private Enterprise «Dobratulina T.M.».

Engineering infrastructure:

project and engineering specifications for connection is available.

Initiator contribution to the project implementation:

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

Transport infrastructure:

- European route E50 – 1.3 km;
- railway station: Pavlohrad-1 – 12 km, Pavlohrad-2 – 4 km;
- Dnipropetrovsk International Airport – 110 km;
- Railway station Pavlohrad – 7 km.



Project location: the city of Pavlograd, Dnipropetrovsk region



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.



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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

«VeLSV»
LLC



Duration

1 years



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

Required investment capital: \$6 mln

Initiator contribution to the project implementation: **\$2.75 mln**

Required investment capital: **\$3.25 mln**

Net Present Value (NPV)	\$6 mln	Payback period (PP)	5.7 years
Profitability index (PI)	112%	EBITDA	\$6 mln
Internal Rate of Return (IRR)	14%		



Creation of logistic infrastructure



Project technical parameters

Land plot characteristics:

Land plot characteristics:

- total area of land plot: 6,0 ha;
- intended use: enterprises of other industry;
- cadastral number: 1224884000:01:003:0088, 1224884000:01:003:0087, 1224884000:01:003:0089;
- leaseholder: «VelLCV» Ltd.

Engineer infrastructure:

- water supply – 2,5 km water pipe-line «Khorosheve»;
- gas supply – 200 m – HPG Shybylynka-Zaporizhzhia;
- electricity supply – 1,0 km – electric substation «Raivka» 35/10, electric substation «Petrovski kariery» 35/10.

Transport infrastructure:

- E-105 highway (Kharkiv - Zaporizhzhia - Simferopil - Alushta - Yalta) – 50 m.



Project location: Ilarionivska TC,
Dnipropetrovsk region



Mechanisms for cooperation

- a joint venture creation;
- land plot sale.



Additional information

The project economic indicators are determined depending on the investment activity scope.

* The economic indicators are calculated for the project of bio fuel pellets production.



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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 consists of professional actors with extensive experience in stage illusion. The repertoire of the theater already has several performances: "Touch of Magic", "Christmas Magic", "World of Magic" and others.

A large repertoire of illusion show numbers and programs has been developed.



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 become a reliable source of filling the state budget of Ukraine with money from taxes;
- To create 10 workplaces.



Economic indicators of the project

Total project cost: \$16 thousd.*

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



Initiator

Individual entrepreneur
Horbonos Andrii

Founder of the
Theater of Magic



Duration

10 months



Creating the Theater of Magic



Material and technical support of the project

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.

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.



Project location:

The city of Dnipro



Mechanisms for cooperation

- joint venture;
- direct investment;
- credit financing



Additional Information

We plan to develop social projects at the expense of the profit:

- "Ukrainian Soapboxes" - creation of methodological materials for children with speech defects (defects) with their subsequent free transfer to specialized educational and training institutions;
- "Honey Heart" - aimed at providing temporarily displaced people from the war zones with the things of prime necessity and food;
- Children's Honey Hub - a children's art 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.



DIA Dnipropetrovsk Regional Investment Agency

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GARVIS 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.

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.



Initiator

LLC SPE “MEDICAL SYSTEMS AND TECHNOLOGIES”
 LLC “ENDOTECHNOMED”
 LLC MC “GARVIS”
<https://garvis.com.ua/>



**Duration
2 years**



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.
- Attract investment in modern medical infrastructure and promote integration of Ukraine into the European medical space.
- Create 250 workplaces.



Project economic indicators:

Project cost: \$14.9 mln, including:

Initiator contribution to the project implementation: \$3.7 mln

Net Present Value (NPV)	\$9.8 mln	EBITDA (5 th year)	\$6.6 mln
Internal Rate of Return (IRR)	14.3%	Income (5 th 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.

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.



Project location

The city of Dnipro



Mechanisms of 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

- The key partners of the “Garvis” are Philips Medical Systems Nederland B.V. and the Ukraine Partnership Facility (UPF) programme, which provide technological support, investment and promote the development of modern medical infrastructure in Ukraine.
- In wartime conditions, most hospitals in the region are overloaded, and some are in need of renovation or restoration. This creates high demand for private clinics capable of providing high-quality, safe and timely medical care.
- “GARVIS-2” clinic will help decrease the pressure on the public healthcare system, provide treatment for internally displaced persons and military personnel, and become a reference center for modern medicine in the region.

Project status: ready for implementation.



Creation of a modern medical and health complex (Pishchanska TC, Novomoskovskyi district)



Initiator

Limited Liability Company
Sanatorium
«Holiday Resort Orlivshchyna»

www.spa-kurort.com.ua



Duration

11 months



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.



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 .

The project envisages:

- purchase of new equipment, which will additionally provide 3 types of services and expand 5 existing ones.
- construction of a Spa-center and swimming pool - 9 additional types services;
- reconstruction of the clinical building – 4 additional types of services;
- reconstruction of dormitory №1 to increase 15 in-patient bed.
- creation of 20 new jobs.



Project economic indicators:

Required investment capital: \$ 1,7 mln

- Initiator contribution to the project implementation: **\$ 306 thousd.**
- Required investment capital: **\$ 1,4 mln**

Net Present Value (NPV)	\$ 1.4 mln	EBITDA (3rd year)	\$ 0.9 mln
Internal Rate of Return (IRR)	32.7%	Revenue (3rd year)	\$ 2.0 mln
Discounted Payback Period (DPP)	3.3 years		



Creation of a modern medical and health complex



Project technical parameters

Land plot characteristics:

- **area:** 8 ha;
- **intended purpose of the use:** recreation lands;
- **cadastral number:** assigned;
- **administrator:** «Sanatorium «HOLIDAY RESORT ORLIVSHCHYNA» LLC, rent until 2058..

Engineering infrastructure:

water supply, sewerage system, gas supply, electricity supply – are available and do not require additional investment.

Logistics infrastructure:

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



Project location: Pishchanska TC,
Samarivskiyi district,
Dnipropetrovsk region



Mechanisms for cooperation:

- equity;
- credit line.

Company 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.



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.



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Construction of the multifunctional medical center «Health Market»



Initiator

Private Enterprise
«POLIMED»

www.polymed.com.ua



Duration

20 months



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.



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: Project cost: \$8.3 mln

Net Present Value (NPV)	\$10,8 mln	Payback period (PP)	2 years
Profitability index (PI)	1.3	EBITDA	\$5.9 mln
Internal Rate of Return (IRR)	57%		



Construction of the multifunctional medical center «Health Market»



Project technical parameters

Land plot characteristics:

- **building area:** 5.2 thousand m²;
- **land plot area:** 1 ha;
- **intended use:** land plots of recreational purposes.

Engineering infrastructure:

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

Transport infrastructure:

- the highway E-50 - 2 km;
- railway station «Dnipro-Golovnyi» - 6 km;
- the international airport «Dnipropetrovsk» - 10 km;
- river port Dnipro - 7 km.



Project location: the city of Dnipro, Dnipropetrovsk region



Mechanisms for cooperation

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



Additional information

The possible location of the multifunctional medical center in the «Pidstantsiia» area (Chechelov district, the city of Dnipro) is due to two main factors: the absence of a modern medical facility in this area and the compact settlement of about 170 thousand people.

Potential clients of the multifunctional medical center are families of medium and high income of different age categories.



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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 1600 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.



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;
- cleanliness, sanitary standards for storage and sale of products.



Project economic indicators:

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



Initiator

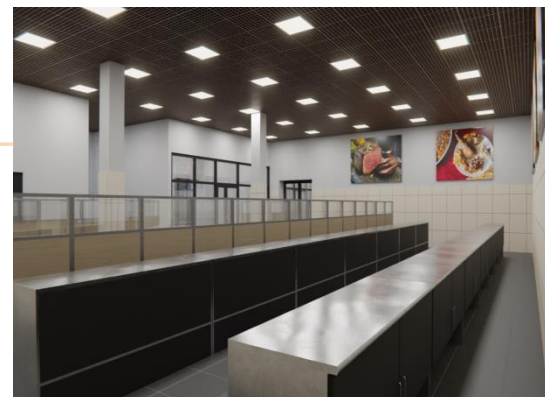
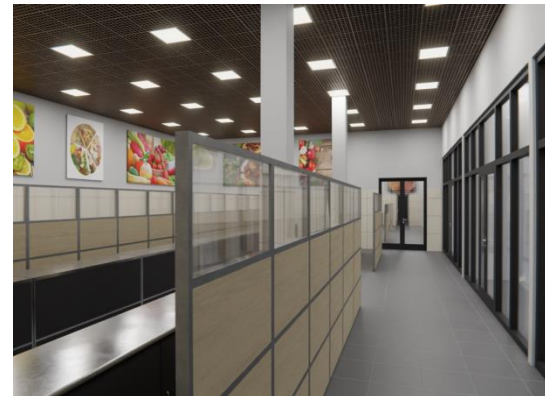
Slobozhanska TC

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



Duration

11 months





Creation of modern market



Project technical parameters

Land plot:

- **area:** 0,67 ha;
- **area under the building:** 0,17 ha;
- **intended purpose of use:** industrial land;
- **cadastral number:** 1221455800:02:006:0055;
- **leaseholder:** Slobozhanska ТГ.

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.

Transport infrastructure:

- there is an approach automotive road for vehicles;
- 8 km - to the center of Dnipro
- within a radius of 20 km, the complex covers the nearest settlements, such as: Dnipro, Pidhorodne, Novomoskovsk, Stepove, with a population of of more than 1 million people, who are potential consumers.



Project location: Slobozhanska TC,
Dnipropetrovsk region



Mechanisms for cooperation:

- lease/public-private partnership.



Additional information

Nomenclature of buildings:

- warehouse premises – 1484 m²;
- office premises – 143 m²;
- Total area of buildings: 1716 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, Novomoskovsk, 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.



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