ENERGY

11 PROJECTS FROM THE REGION'S COMMUNITIES AND BUSINESSES

CONTENT

CONSTRUCTION OF 5 MW SOLAR POWER STATION

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

INITIATOR:

MEGAVATY, Ltd.

DURATION:

6 months

TOTAL PROJECT COST:

$ 5.6 mln

PROJECT GOALS:

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

ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV) **$ 4 mln**	Discounted Payback Period (DPP) **5 years**
Profitability index (PI) **1.69**	EBITDA (5-th year) **$ 21.2 mln**
Internal rate of return (IRR) **8%**	Revenue (5-th year) **$ 1.5 mln**

TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

area:

10 ha (5 x 2 ha);

industry land,

cadastral number is available.

Project location:

Mezhyricka TC, Dnipropetrovsk region.

Engineering infrastructure:

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

Mechanisms for cooperation:

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

According to the project:

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

Transport infrastructure:

distance to:

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

ADDITIONAL INFORMATION

Investment incentives / regulatory environment:

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

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

Alignment with the sustainable development goals:

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CONSTRUCTION OF 10 MW SOLAR POWER STATION

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

INITIATOR:

Vakulivska TC

DURATION:

6 months

TOTAL PROJECT COST:

$ 12,7 mln

PROJECT GOALS:

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

ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV) $ 8.2 mln	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

TECHNICAL PARAMETERS OF THE PROJECT

Land plot characteristics:

area:

21 ha;

land designated for energy sector use;

cadastral number is available;

Project location:

Vakulivska TC, Dnipropetrovsk region.

Transport infrastructure:

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

According to the project:

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

Mechanisms for cooperation:

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

Engineering infrastructure:

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

ADDITIONAL INFORMATION

Investment incentives / regulatory environment:

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

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

Alignment with the sustainable development goals:

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MANEUVERABLE POWER GENERATION OF 90 MW

METINVEST

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

INITIATOR:

LLC" METINVEST " NORTHERN IRON ORE

llc" metinvest holding"

DURATION:

1-3 years (in stages)

TOTAL PROJECT COST:

$ 77 mln

PROJECT GOALS:

- creation of internal renewable energy generation capacities to partially cover the needs of Metinvest Group and to increase the energy independence of its enterprises;
- reducing CO_2 emissions and supporting the corporate strategy for decarbonizing production;
- optimization of the use of free industrial plots;
- improving the stability of energy supply for enterprises in regions with damaged energy infrastructure;
- creation of 30 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

Company's resources for project implementation: $27 mln

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

TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity:** 110 MW.
- **Generation type**: solar photovoltaic (PV).
- **Annual electricity production:** ≈ 150 GWh.
- **Production sites:** several locations on free industrial plots belonging to Metinvest enterprises in Dnipropetrovsk and Zaporizhzhia regions.
- **Total area for station placement:** ≈ 189 ha.
- **Environmental efficiency:** reduction of CO_2 emissions, production of 150 GWh of clean energy.
- **Readiness stage:** ready for implementation, land plots with technical infrastructure are available, preliminary feasibility studies have been completed.

Project location:

The city of Kryvyi Rih

Initiator resources:

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

Mechanisms for cooperation:

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

ADDITIONAL INFORMATION

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

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

Project status: feasibility assessment

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Alignment with the sustainable development goals:

7 AFFORDABLE AND CLEAN ENERGY; 8 DECENT WORK AND ECONOMIC GROWTH; 9 INDUSTRY, INNOVATION AND INFRASTRUCTURE; 13 CLIMATE ACTION

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MANEUVERABLE POWER GENERATION OF 75 MW

METINVEST

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

INITIATOR:

**LLC" METINVEST "
KAMET STEEL**

llc" metinvest holding"

DURATION:

1-3 years (in stages)

TOTAL PROJECT COST:

$ 62 mln

PROJECT GOALS:

- creation of internal renewable energy generation capacities to partially cover the needs of Metinvest Group and to increase the energy independence of its enterprises;
- reducing CO_2 emissions and supporting the corporate strategy for decarbonizing production;
- optimization of the use of free industrial plots;
- improving the stability of energy supply for enterprises in regions with damaged energy infrastructure;

ECONOMIC INDICATORS OF THE PROJECT

Company's resources for project implementation: $22 mln

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

TECHNICAL PARAMETERS OF THE PROJECT

Total installed capacity: 75 MW.

- Gas-pistonfacilitiesconsistsofsixunitsof 10 MW eachor 6×10 MW or 8×7.5 MW each, equippedwithadvancedautomation, protection, monitoringsystems, andsubjecttoregularmaintenanceandreliabilitychecks
- Solarfacilities: deployedacrossfourindustrialsites (18 ha) with c.21,400 modulesand c.40 inverters, featuringquarterlycleaning, inverterservicing, andcontinuousperformancemonitoringtomaintainefficiency

Project location:

The city of Kamianske.

Mechanisms for cooperation:

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

ADDITIONAL INFORMATION

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

Project status: feasibility assessment.

Alignment with the sustainable development goals:

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

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

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

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

INITIATOR:

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

DURATION:

1 year

TOTAL PROJECT COST:

$ 18 mln

PROJECT GOALS:

- ensure the energy independence of the company;
- reduce electricity expenses and decrease CO_2 emissions by 475 tons annually;
- optimize production processes through stable energy supply;
- contribute to the development of green energy and energy resilience in the region;
- create up to 30 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

Company's resources for project implementation: $5.4 mln

Net present value (NPV) **$ 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**	

TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity of the SPP:** 25.4 MW.
- **Energy storage system capacity:** 21.8 MW.
- **Expected annual electricity generation:** ≈ 31 GWh.
- **Reduction in external electricity consumption:** up to 40%.
- **CO_2 emissions reduction:** ≈ 475 tons per year.
- **Grid connection status**: technical conditions preliminarily agreed.
- **Project readiness stage:** concept developed, feasibility study prepared, and locations determined.

Project location:

The city of Kryvyi Rih.

Mechanisms for cooperation:

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

ADDITIONAL INFORMATION

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

Project status: ready for implementation.

Alignment with the sustainable development goals:

7 AFFORDABLE AND CLEAN ENERGY; 8 DECENT WORK AND ECONOMIC GROWTH; 13 CLIMATE ACTION

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

CONSTRUCTION OF THE 4.4 MW SOLAR POWER PLANT "EKOKRAY"

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

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

INITIATOR:

"HELIOS STRATEGIA" LLC

https://heliosstrategia.com/

DURATION:

3 year

TOTAL PROJECT COST:

$ 4.85 mln

PROJECT GOALS:

- contribute to the development of green energy and energy resilience in the region;
- generation of environmentally safe electricity;
- optimization of the use of free industrial plots;
- CO_2 emissions reduction;
- create up to 10 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

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

Net present value (NPV) (30 years, 3%) **$ 9.2 mln**	Discounted Payback Period (DPP) **10.4 years**
Revenue(1year - firstyearatfullcapacity) **$ 1.11 mln**	EBITDA (1year - firstyearatfullcapacity) **$ 1,02 mln**
Project IRR (pre-tax) **15.89 %**	Project launchperiod **<1 years**

TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity of the SPP:** 4.4 MW.
- **Energy storage system capacity:** 3.6 MW.
- **Expected annual electricity generation:** ≈ 5.6 GWh.
- **CO_2 emissions reduction.**
- **Permits**: Where necessary, permits, landissues, andtechnicalconditionsareupdated, andregularrentpaymentsaremade.
- **Current status:** Preliminary consultations with IFIs were made (IFI`s recommendations: the availability of the partner will increase the chance of receiving funding). Potential partnership structure under discussion.

Project location:

Sofiyivka village, Kryvyi Rih district, Dnipropetrovska oblast

Mechanisms for cooperation:

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

ADDITIONAL INFORMATION

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

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

Project status: ready for implementation.

Alignment with the sustainable development goals:

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

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

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

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

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

INITIATOR:

"HELIOS STRATEGIA" LLC

https://heliosstrategia.com/

DURATION:

3 year

TOTAL PROJECT COST:

$ 117.5 mln

PROJECT GOALS:

- contribute to the development of green energy and energy resilience in the region;
- generation of environmentally safe electricity;
- optimization of the use of free industrial plots;
- CO_2 emissions reduction;
- create up to 20 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

Company's resources for project implementation: $11.8 mln

Net present value (NPV) (30 years) **$ 349.4 mln**	Discounted Payback Period (DPP) **7.5 years**
Revenue (1year at full capacity) **$ 29.2 mln**	EBITDA (1year at full capacity) **$ 27.8 mln**
Internal rate of return (IRR) **20 %**	Project launchperiod **2 years**

TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity of the SPP:** 153,3 MW.
- **Energy storage system capacity:** 105 MW / 255 MWh.
- **Annual production of "green" electricity** (forecast - 190 328.0 MWh), closing thecurrent demand foradditional distributed generation.
- **CO_2 emissions reduction**.
- **Current status:** Preliminary consultations with IFIs were made (IFI`s recommendations: the availability of the partner will increase the chance of receiving funding). Potential partnership structure under discussion.

Project location:

Hrechanopodivska community
Shirokivskyi district
Dnipropetrovska oblast

Mechanisms for cooperation:

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

- **Permits**: Where necessary, permits, land issues, and technical conditions are updated, and regular rent payments are made.

ADDITIONAL INFORMATION

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

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

Project status: ready for implementation.

Alignment with the sustainable development goals:

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

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

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

Дніпровський металургійний завод

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

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

INITIATOR:	DURATION:	TOTAL PROJECT COST:
PJSC "Dniprovskyi Metallurgical Plant" *https://dmz-petrovka.dp.ua/*	**1.5 years**	**$ 21.6 mln**

PROJECT GOALS:

- promoting the development of green energy and the energy sustainability of the region;
- generation of environmentally safe electricity;
- optimization of the production process through a stable energy supply;
- reduction in CO_2 emissions ≈ 25000 tons per year;
- the creation of up to 10 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

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

TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity:** 36.4 MW
- **Green certificates (I-RECs):** 47000 MWh
- **Expected annual electricity generation:** ≈ 47000 MWh.
- **Environmental efficiency:** reduction in CO_2 - equivalent emissions ≈ 25,000 tons per year

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

Project status: detailed preparation

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

Project location:

the city of Dnipro

Mechanisms for cooperation:

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

ADDITIONAL INFORMATION

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

Key products/services:

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

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

Project business model:

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

Consistency with the sustainable development goals:

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INSTALLATION OF AN ENERGY STORAGE SYSTEM

СУХА БАЛКА

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

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

INITIATOR:

PJSC "SUHA BALKA" (DCH Group)

https://sukhabalka.com/

DURATION:

9 months

TOTAL PROJECT COST:

$ 1.4 mln

PROJECT GOALS:

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

ECONOMIC INDICATORS OF THE PROJECT

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

TECHNICAL PARAMETERS OF THE PROJECT

- **Total capacity of the electricity storage system:** 10 MWh.
- **Form factor:** container-based battery cells, inverters, control systems, cooling, and safety systems - all located in the same container.

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

Project location:

the city of Kryvyi Rih;

Mechanisms for cooperation:

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

ADDITIONAL INFORMATION

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

Project status: ready for implementation.

Consistency with the sustainable development goals:

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

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

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

ArcelorMittal

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

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

INITIATOR:
"ARCELORMITTAL KRYVYI RIH PJSC"
https://ukraine.arcelormittal.com/

DURATION:
6 years

TOTAL PROJECT COST:
$ 15.5 mln

PROJECT GOALS:

- ensure the energy independence of the company;
- reduce electricity expenses and decrease CO_2 emissions;
- optimize production processes through stable energy supply;
- contribute to the development of green energy and energy resilience in the region;
- create up to 10 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

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

TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity of the SPP:** 28 MW.
- Project aimsatgenerationofelectricityusing 44 092 PV modules 630 W each (DHN-78X16/DG 630 W was consideredinFeasibilitystudy).

  Currentwillbetransformedto 6 (10) KV using PVCIS 2500/6(10)/1,5 invertes (16 total) andtransferredinplant`sgridwithindefinedconnec tionpoints (3 pointstotal).

Project location:

The city of Kryvyi Rih.

Mechanisms for cooperation:

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

ADDITIONAL INFORMATION

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

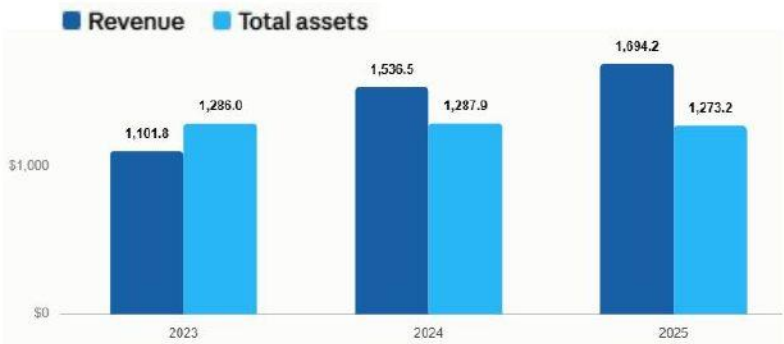
Project status: feasibility studycompleted
Land status: leased.

Alignment with the sustainable development goals:

Core Products / Services:

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

Financial indicatorsofthecompany, $ mln:



DIA DNIPROPETROVSK INVESTMENT AGENCY
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NEW CONSTRUCTION OF WIND POWER PLANT (245 MW)

ArcelorMittal

"ARCELORMITTAL KRYVYI RIH PJSC" is implementing an energy project.

Construction of WPP, located near "ArcelorMittal Kryvyi Rih" land allotment to cover "ArcelorMittal Kryvyi Rih" demand in electricity, simultaneously feeding energy in UA grid.

Indirect connection to plant`s distribution network is considered via step-up substation and NEK facilities.

INITIATOR:
"ARCELORMITTAL KRYVYI RIH PJSC"
https://ukraine.arcelormittal.com/

DURATION:
4 years

TOTAL PROJECT COST:
$ 386.4 mln

PROJECT GOALS:

- ensure the energy independence of the company;
- reduce electricity expenses and decrease CO_2 emissions;
- optimize production processes through stable energy supply;
- contribute to the development of green energy and energy resilience in the region;
- create up to 10 new jobs.

ECONOMIC INDICATORS OF THE PROJECT

Net present value (NPV (25 year) **$ 25.6 mln**	EBITDA (2030 - first year at full capacity) **$ 54.9 mln**
Internal rate of return (Pre-tax IRR) **17.9 %**	Income (2030 - first year at full capacity) **$ 72.7mln**
Discounted Payback Period (DPP) **n/a**	Project launch period **4 years**

TECHNICAL PARAMETERS OF THE PROJECT

- **Total installed capacity of the SPP:** 245 MW.

- **Total feed-in:** 578,0 GWh/annum (P-75, meso-scale data based on ERA5 reanalysis, 1999-2025).
  Project aims at generation of electricity using 34 WTGs (7,2 MW each, HH 125 m). Current will be transformed to 1546 (10) KV using PVCIS 2500/6(10)/1,5 invertes (16 total) and transferred in plant`s grid within defined connection points (3 points total).

Project location:

Kryvyi Rih district, Dnipropetrovsk oblast.

Mechanisms for cooperation:

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

ADDITIONAL INFORMATION

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

Project status: feasibility studycompleted

Alignment with the sustainable development goals:

AMKR has already completed a pre-feasibility study for a wind power plant near Kryvyi Rih. The study confirmed preliminary economic viability for a plant of 34 turbines of 7.2 MW each (approximately 245 MW), capable of delivering 763.8 GWh per year. To move from a promising concept to a financeable project, a wind measurement campaign of 24 months, carried out to MEASNET and IEC standards, is now required to generate bankable wind and energy yield data, refine the output and payback model, and confirm viability for investors.

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