RENEWIBERIA

ENERGY ENGINEERING AND MANAGEMENT

CLEAN ENERGY – THE PATH TO HARMONY, STEP BY STEP

Iberia Renew Engineerig

Is a Portuguese company specialising in Energy Management and Engineering solutions (Engenharia e Gestão Energética). We are dedicated to accelerating the Iberian green transition through solar projects: the AI-powered REEMS platform for smart energy management, and the Madeira Energy Hub — a collaborative space for renewable innovation and research driving sustainability and digital transformation across Europe.

Our strength lies in the combination of modern technologies, AI solutions, high-quality equipment, and the experience of our international team. With over 20 years of experience in the energy sector and successful project delivery across various countries, our team of experts brings deep industry knowledge and practical insight to every stage of implementation.

+20
Years of experience

5.5 MW
Installed

+150
Projects

+ 23 500 sqm
Of solar panels laid out



OUR GOAL IS...

To make solar energy affordable and enjoyable for all of our customers

MARYNA KUSHNIAREVICH
Founder & CEO



Sets the strategy and vision. Drives key business areas, including strategic partnerships and digital transformation. With expertise in international project leadership, digital transformation, and scaling businesses in renewable energy, she guides the team towards long-term objectives.

MAXIM ZHOGAL
Founder & CTO



Defines technical strategy and ensures project quality, managing technical aspects. With expertise in renewable energy and large-scale construction projects, he specializes in solar solutions, strategic business development, and technical operations in Renew Engineering.



Products & Solutions

Our Services

Installation Services

Full turnkey installation of solar power systems.

Design & Engineering

- Customised system design for maximum efficiency
- Engineering and technical support for large-scale projects

Development & Integration of Energy Storage Systems

- Planning and implementation of BESS solutions
- Seamless integration with existing solar infrastructure

Operations & Maintenance

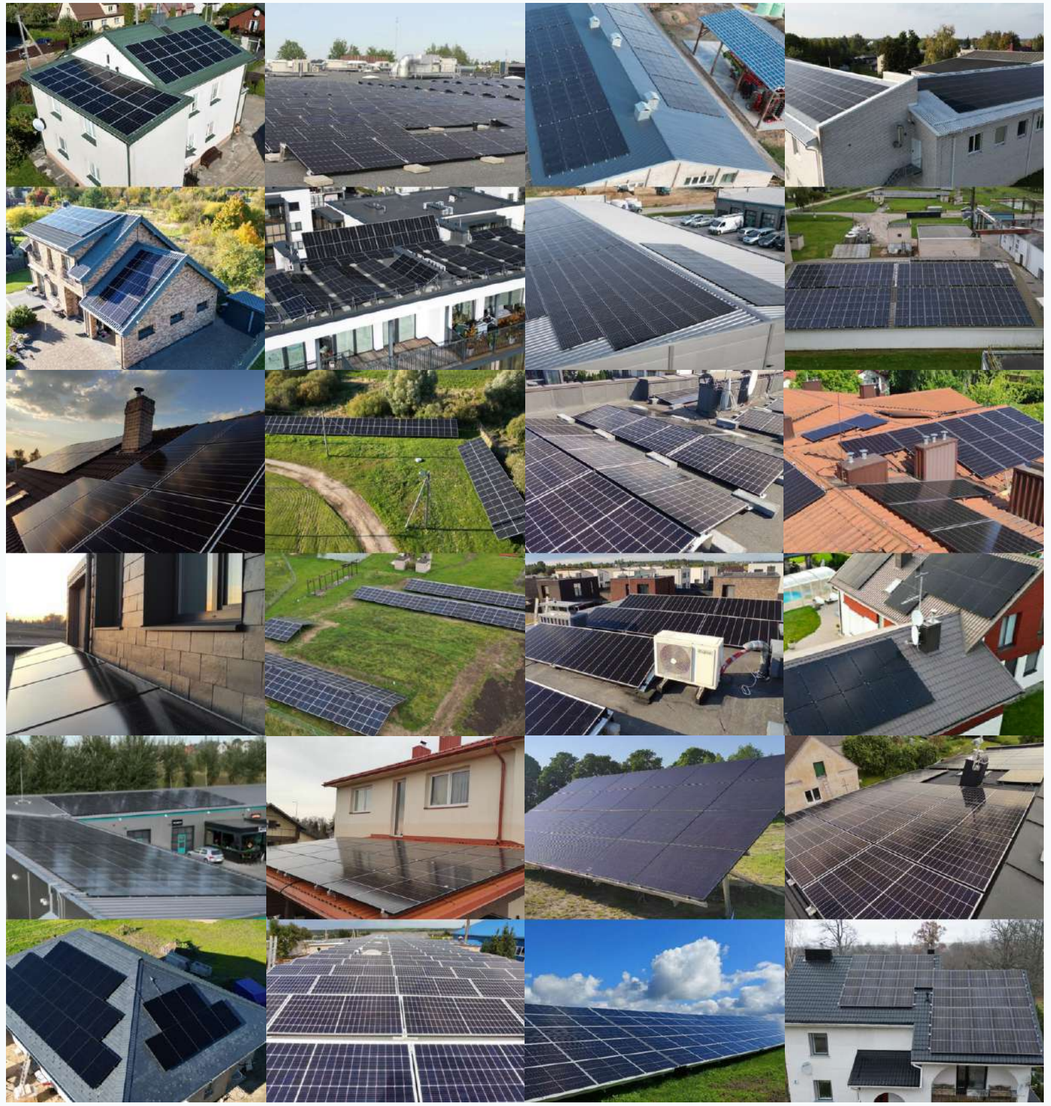
- Preventive and corrective maintenance
- System monitoring and performance optimisation



Our Projects

Every project we complete is built on expertise, care, and a shared goal: delivering clean, reliable energy where it matters most. Our company specializes in Residential, Commercial, and Industrial solutions.
Industrial sectors we work with:

- Agriculture
- Tourism
- Storage Facilities
- Factories
- Sawmills
- Solar Parks
- Public Buildings



Agriculture Solutions





88.2kW Solar System

The system supports both production and heating needs for the company.

Scope: Design, build, delivery, and grid connection







500 kW Solar Power plant

3 grid connections ensure reliable and efficient operation.

Scope: Design, build, delivery, and connection of 3 grids in different locations







Tourism Solutions

Hotel Rooftop Solar - 12kW Hybrid System

Designed to reduce energy costs and ensure uninterrupted power for guests, the system is now fully operational.

Key Features: Hybrid inverter, energy storage & distribution



Storage Facilities



99kW Solar Plant

System involved complex trenching, cable routing, and a custom inverter mounting structure.
Completed safely, on time, and with outstanding precision.
Scope: Design, build, delivery, and grid connection



89kW Installation

A high-precision commercial solar installation for the Nord Space industrial site, featuring custom inverter mounting for enhanced safety.
Key Feature: Custom inverter structure designed for parapet mounting







Factories

100 kW Solar plant

Designed to reduce energy costs and support uninterrupted power for smooth production

Key Features: Sungrowth inverter 100kW
Scope: Design, build, delivery, and grid connection





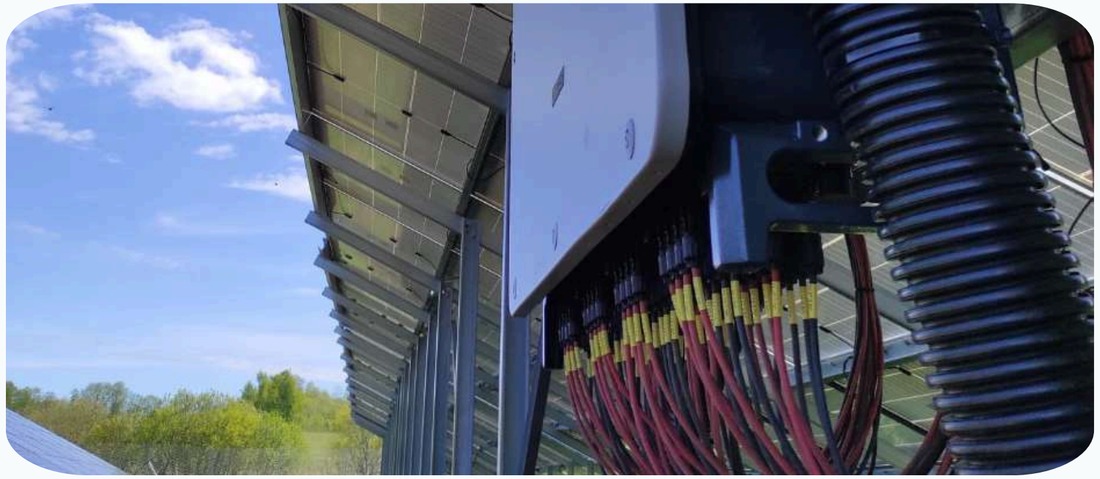


Sawmills

100 kW Solar plant

Solar power stations were installed for reducing significant energy consumption.

Scope: Synchronization with existing plants, system design and installation







Solar Parks

1.78 MW

Designed to reduce energy costs and support uninterrupted power for smooth production

Key Features: Sungrowth inverter 100kW







Public buildings

24,37 kW Solar grid

Installed on the roof of an apartment building, meeting the energy consumption needs of each individual apartment.

Key Features: System with 8 invertors designed and destributed among multiple flats



Other Projects











Find out more!

Solar solutions for your project *



High-Load Integrated Solar Shield

- **Protection & longevity:** Certified Class A fire safety, backed by a 30-year product and performance warranty
- **Extreme structural durability:** glass architecture engineered to resist high mechanical stress and hail impact up to 50 mm.
- Perfect for mountain installations



Bifacial Energy-Absorbing Noise Barrier

- **Dual-purpose infrastructure:** simultaneous noise reduction and renewable power generation.
- **High-yield bifacial design:** capturing light from both sides, allowing the barrier to produce over **18,000 kWh** of clean energy per year from a compact ~**20 kW installation**.



Solar-Powered Urban eBike Hub

- **Off-grid charging platform:** charging up to five e-bikes without relying on the electrical grid
- **Modular, city-ready design:** Functions as a lightweight solar carport for bikes, offering fast installation and easy integration into parks, campuses, transit hubs, and city streets.

** Source: SoliTek*

Solar solutions for your project *



Solar-Shading Energy Pergola

- Structure provides natural shading while integrating photovoltaic modules that generate clean electricity Extreme structural durability.
- Stations capable of supporting home appliances, pool systems, lighting, and more



Solar-Powered Urban Canopy

- **Energy-generating shade structure:** panels produce up to 5,600 kWh/year while offering comfortable shaded areas in public spaces.
- **Multi-device charging hub:** Built-in power access points allow visitors to charge phones, scooters, and e-bikes directly from solar energy.



Solar-Integrated Walkway

- A functional passageway that simultaneously generates clean electricity.
- Deal for sites without suitable rooftops, using otherwise unused outdoor space between buildings

** Source: SoliTek*

Solar solutions for your project *



Solar-Powered Outdoor Work Shelter

- Integrated PV modules power USB and wireless charging, enabling device use without relying on the grid.
- Provides shade and weather protection, creating a practical outdoor workspace for parks, campuses, and transit areas.



Steep-Slope Solar Integration

- **Extreme terrain adaptability:** Designed to mount photovoltaic panels directly on steep or vertical rock faces, expanding solar potential in mountainous regions.
- **Minimal environmental footprint:** Installation leverages existing rock surfaces, reducing land use while integrating solar energy into remote locations.



Solar-Integrated Urban Planter

- **Compact renewable energy solution:** Photovoltaic modules embedded into planter structures generate up to **400 kWh/year**, providing micro-scale clean energy.
- Lightweight and modular, suitable for outdoor areas where conventional PV installations aren’t feasible.

** Source: SoliTek*

Solar solutions for your project



Ultralight Greenhouse PV Module

- Engineered for greenhouse structures, transmission for optimal plant growth.
- Resistant to extreme weather conditions while maintaining strong mechanical stability and long-term performance.
- Offers impressive power generation



Transparent PV modules

- Transparent PV modules allow sunlight to pass through while simultaneously producing electricity
- Special light-capturing surfaces and bifacial cell technology increase overall energy yield, maximizing output even from reflected light inside the greenhouse.

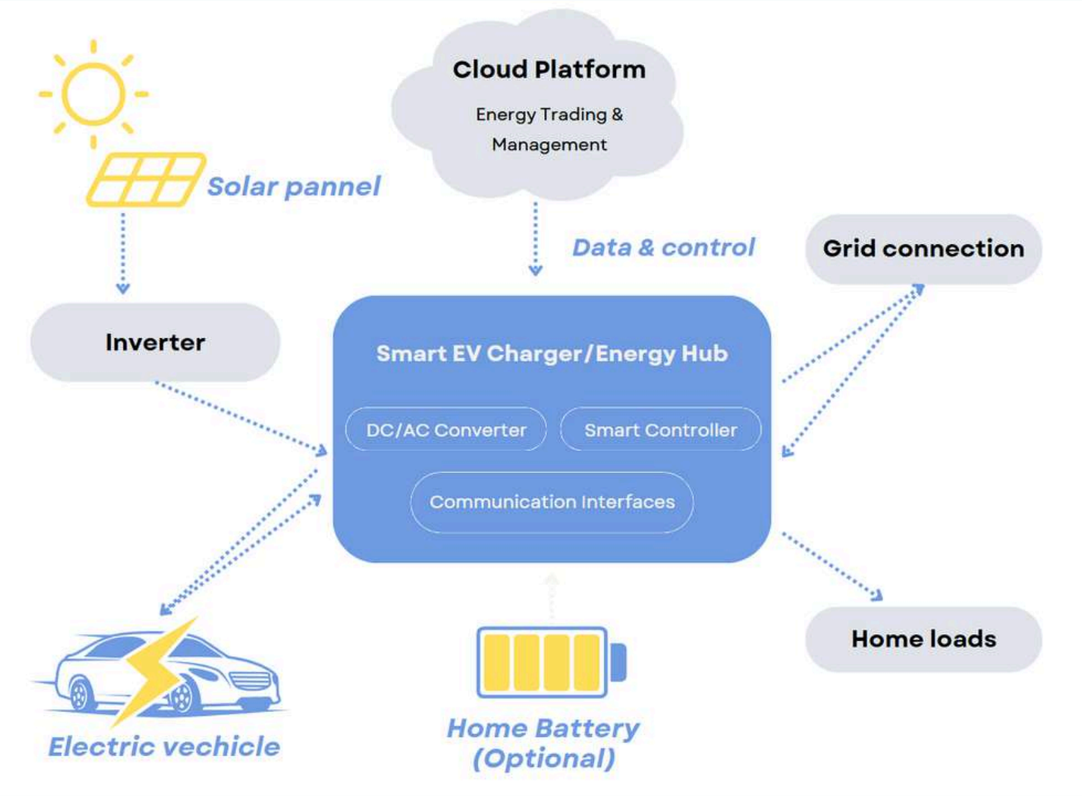


Advanced Flexible PV Module System

- Modules offer high durability with significantly reduced weight, enabling installations on surfaces where conventional PV modules are not possible.
- Modules are classified by cell count and junction box position, allowing precise selection for diverse applications ranging from flat roofs to lightweight structures.

* *Source: Luxoenergy*

REEMS: Energy Management System



AI-powered Energy Management System optimizes energy usage, storage, and trading, helping households and businesses maximize their return on investment while contributing to a greener planet.

Our Solution:

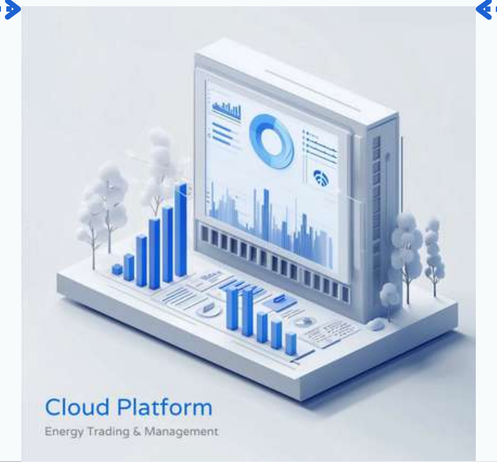
- Smart controller optimizes energy use and storage.
- AI-powered platform enables trade in energy markets.
- Real-time energy flow management for homes and businesses.
- Automatic power management (consumption, charging, sales).
- Increasing the return on investment in BESS installations through improved monitoring and AI-assisted trading

THE ENERGY LANDSCAPE IS CHANGING RAPIDLY.
WE ARE AT THE FOREFRONT OF TRANSFORMATION.

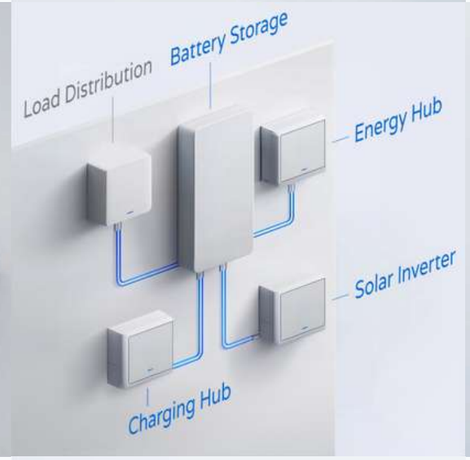
EMS: INDUSTRIAL ENERGY MANAGEMENT

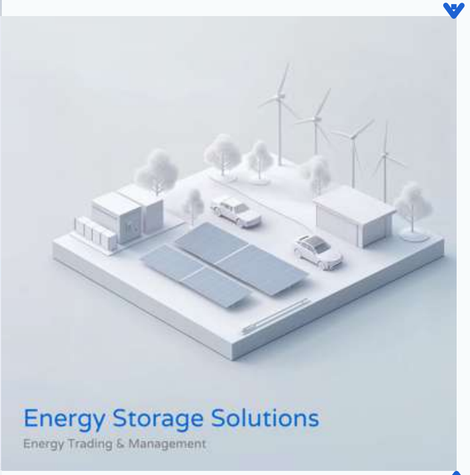
OPTIMISATION DATA (REAL-TIME EMS)

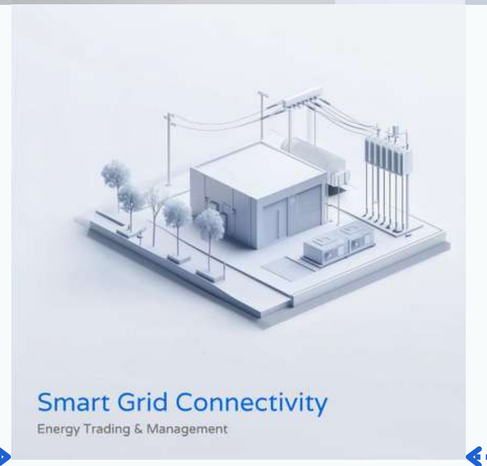
- Generation Data
- Storage Status
- Charging Status
- Consumption Data
- System Status











GRID INTERACTION

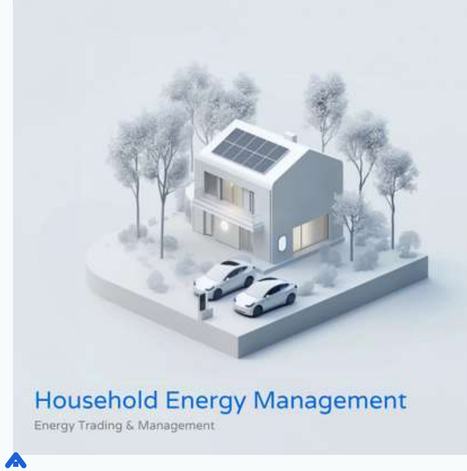
- Optimisation Data
- Analytics
- Grid Status
- Market Signals
- Grid Services

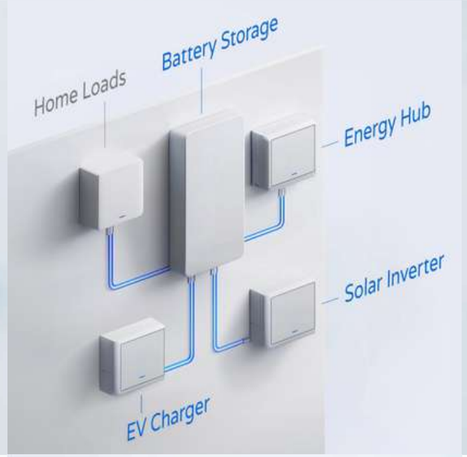
EMS: HOUSEHOLD ENERGY MANAGEMENT

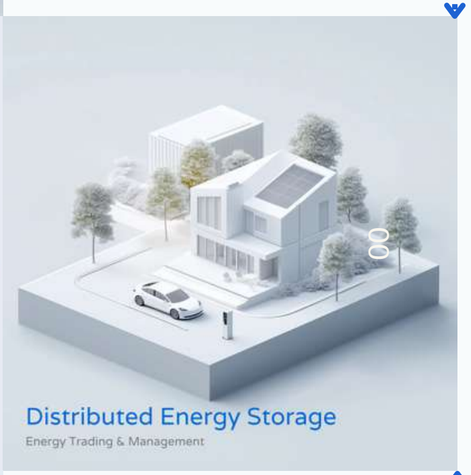
OPTIMISATION DATA (REAL-TIME EMS)

- Generation Data
- Storage Status
- Charging Status
- Consumption Data
- System Status











GRID INTERACTION

- Optimisation Data
- Analytics
- Grid Status
- Market Signals
- Grid Services

Working Process

We understand that every home and business is unique. That's why we take a personalised approach to every project we take on, developing bespoke solutions. Take a look at the 6 key steps we follow when working on your case:

Step 1. Consulting

Our team offers detailed consultations, identifying the specifics of your project and analysing potential risks. We aim to provide you with all the information necessary for making informed decisions.

Step 2. Development

From equipment installation plans to energy efficiency calculations, we offer a clear understanding of your future project.

Step 3. Visualization

This stage helps you envision what your power plant will look like and the expected results.

Step 4. System design

Equipment selection, pre-design studies, and the development of necessary documentation are all part of this stage to ensure the efficiency and reliability of your project.

Step 5. Equipment procurement

We ensure the optimal balance between cost and quality, securing the supply of equipment from the world's leading brands.

Step 6. Construction and installation work

Our team handles the installation of solar power plants, providing project management, electrical installation work, and testing. We guarantee adherence to the customer's construction schedule and successful connection.

Our Partners

We collaborate with the world's leading brands and partners to realize complex projects.



CUSTOMER'S REVIEW

We would like to express our sincere gratitude to Renew Engineering for their professional and reliable cooperation in the construction of the 1.78 MW MT-2 solar power plant in Tauragnai, Utena District.

The work was carried out between February and May 2025, in difficult winter conditions, with complicated access to the site and stony ground, which made the installation of pole structures difficult. Despite these challenges, the contractor ensured high quality of work and adhered to the planned schedule...

Given the high standard of the work performed and the smooth cooperation process, we can confidently recommend Renew Engineering as a reliable partner for renewable energy projects both in Lithuania and internationally. We look forward to continuing our successful cooperation in the future.



Azkoel UAB

Rekomendacija dėl bendradarbiavimo su įmone Renew Engineering

Norime išreikšti nuoširdžią padėką įmonei Renew Engineering už profesionalų ir patikimą bendradarbiavimą įgyvendinant 1,78 MW galios saulės elektrinės MT-2 statybos darbus Tauragnų sen., Utenos r. sav..

Darbai buvo atlikti 2025 metų vasario – gegužės mėnesiais, sudėtingomis žiemos sąlygomis, susiduriant su sudėtingu privažiavimu prie objekto bei akmenuotu gruntu, kuris apsunkino polinių konstrukcijų įrengimą. Nepaisant šių iššūkių, rangovas užtikrino aukštą darbų kokybę ir laikėsi numatyto grafiko.

Ypač vertiname šios įmonės inžinerinio-techninio personalo kompetenciją, atsakingą požiūrį į darbo organizavimą bei sklandų bendravimą ir operatyvų sprendimų priėmimą viso projekto metu.

Atsižvelgiant į aukštą atliktų darbų lygį ir sklandų bendradarbiavimo procesą, galime drąsiai rekomenduoti Renew Engineering kaip patikimą partnerį atsinaujinančios energetikos projektams tiek Lietuvoje, tiek tarptautiniu mastu. Tikimės ir toliau sėkmingai bendradarbiauti ateityje.

Pagarbiai,
Azkoel UAB direktorius
Dr. Žilvinas Žilinskis

Find out more!

Contact Us

WE BELIEVE IN THE POWER OF COLLABORATION TO DRIVE REAL CHANGE.
LET'S TURN IDEAS INTO IMPACT — GET IN TOUCH TODAY!

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