
RENEWIBERIA
ENERGY ENGINEERING AND MANAGEMENT
CLEAN ENERGY – THE PATH TO HARMONY, STEP BY STEP

About Renew Engineering

Renew Engineering is a dynamic and rapidly expanding group of companies at the forefront of the green energy transition, operating across the Iberian and Baltic regions. We specialise first and foremost in the installation of advanced solar energy systems, complemented by comprehensive services in procurement, logistics, and ongoing technical maintenance, tailored to meet the needs of private clients, communities, and commercial enterprises.

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

5 495 kW
Installed

130
Projects

23 485 sqm
Of solar panels laid out

Renew Iberia

IberiaRENEW ENGINEERING Lda, a Portuguese company specialising in Engineering and Energy Management (Engenharia e Gestão Energética). We are dedicated to **acceleration of the transition to renewable energy** through innovation, digitalisation, AI solutions, sustainable infrastructure development and knoweledge collaboration.

We develop and build renewable energy projects, providing installation, commissioning, and maintenance services for solar power plants across Portugal and the Iberian region. Our activities include full-cycle project delivery — from technical design and engineering to construction and long-term operation.



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OUR GOAL IS...

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

Business Objectives

Sustainability Innovation Empowernment

Leadership Quality Reliability

At **Iberia Renew Engineering**, we believe that clean, independent energy should be accessible, efficient, and reliable. Our focus relies on key priorities:

- Supporting the Iberian Peninsula's carbon neutrality goals by increasing the adoption of solar energy.
- Promoting energy independence for households and businesses through decentralised power generation.
- Reducing reliance on fossil fuels and enhancing grid stability with smart energy storage solutions.
- Providing affordable and scalable clean energy solutions tailored to diverse customer needs.

We are dedicated to delivering end-to-end services for households, C&I enterprises, and large-scale solar park owners, ensuring efficient energyproduction, storage, andmanagement.



Products & Solutions



Core Activities & Focus Areas

- Implementation of AI-powered Energy Management Systems (REEMS) to optimise energy usage, reduce costs, and improve grid stability.
- Development, engineering, and installation of photovoltaic (PV) power plants ranging from small-scale residential systems to large industrial and commercial solar farms.
- Integration of energy storage solutions (BESS) to enhance energy security and self-sufficiency.
- Support renewable innovation, research, and startups driving sustainability and digital transformation around Europe.
- Operation and maintenance services to ensure long-term efficiency and sustainability of solar installations.
- Consulting and project management for C&I transitioning to renewable energy sources.

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

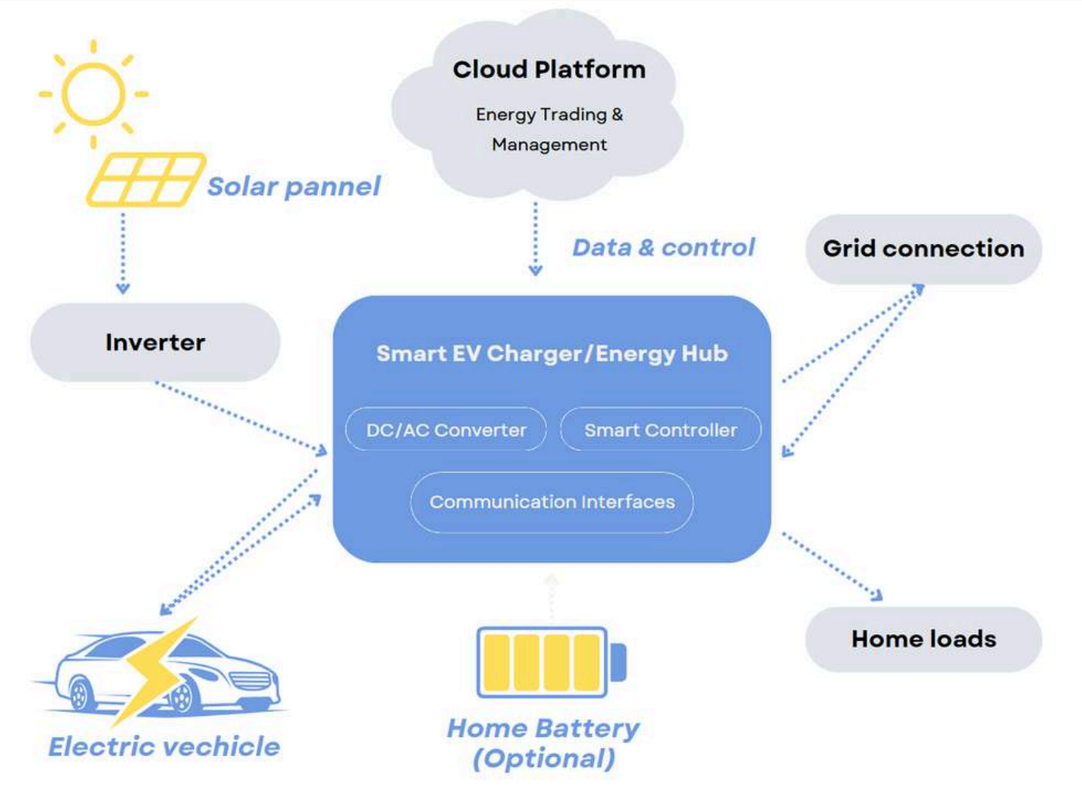
- Planning and implementation of BESS solutions
- Seamless integration with existing solar infrastructure

Operations & Maintenance

- Preventive and corrective maintenance
- System monitoring and performance optimisation



REEMS: Energy Management System



THE ENERGY LANDSCAPE IS CHANGING RAPIDLY.

WE ARE AT THE FOREFRONT OF TRANSFORMATION.

REEMS is a smart energy platform for SMEs that runs solar plants, storage and EV of any brand from the cloud — letting all equipment work as a unified, effective system

1 Lower bills

REEMS optimizes energy usage and storage, making your produced solar profitable instead of selling it for cents

2 Hands-free

REEMS runs 24/7 on weather forecasts and market prices, reports your savings automatically, and lets your plant earn from the grid

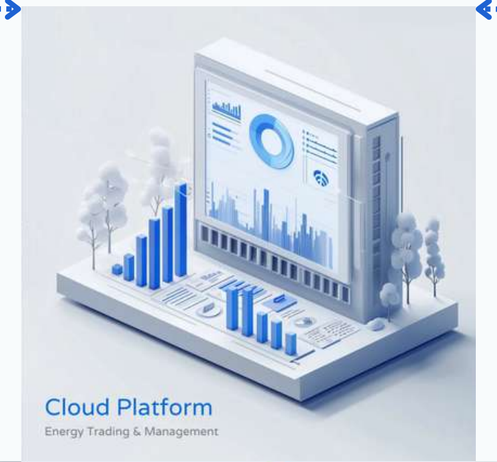
3 Every brand, one system

Inverters, panels, batteries and EV chargers added over the years finally work smoothly together — in one app

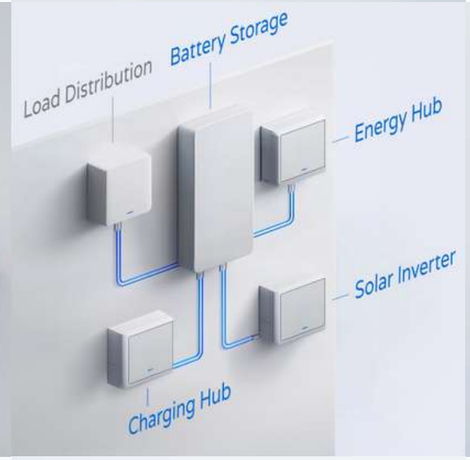
EMS: INDUSTRIAL ENERGY MANAGEMENT

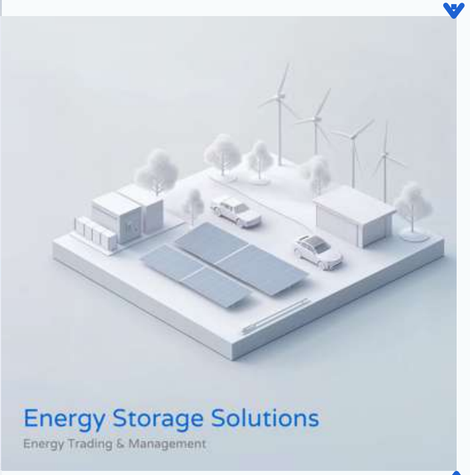
OPTIMISATION DATA (REAL-TIME EMS)

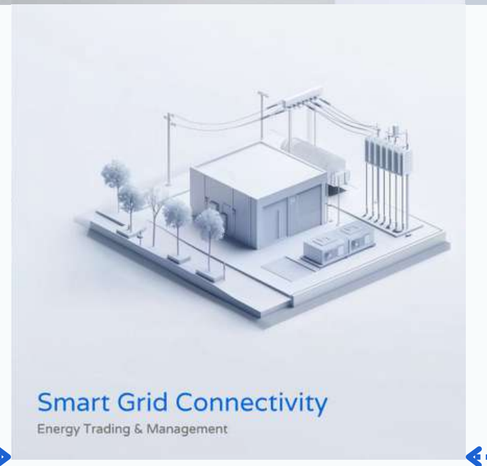
- Generation Data
- Storage Status
- Charging Status
- Consumption Data
- System Status











GRID INTERACTION

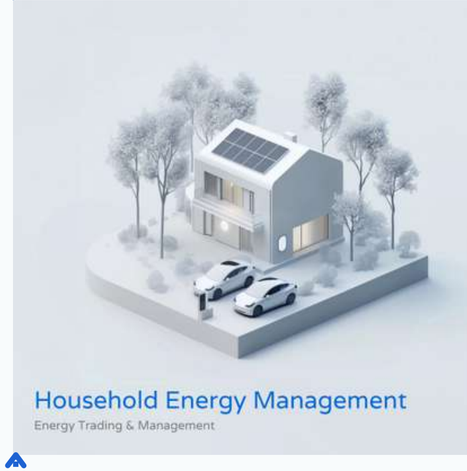
- Optimisation Data
- Analytics
- Grid Status
- Market Signals
- Grid Services

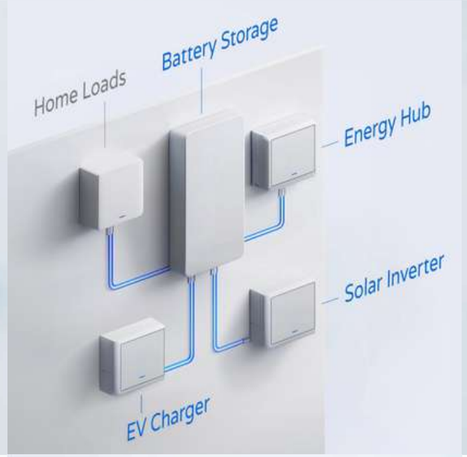
EMS: HOUSEHOLD ENERGY MANAGEMENT

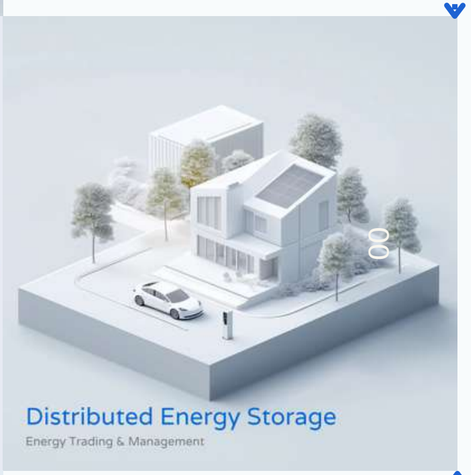
OPTIMISATION DATA (REAL-TIME EMS)

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











GRID INTERACTION

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

Our Projects











Find out more!

Other Products

Photovoltaic (PV) Parks & Power Stations



- Development of PV parks over 1,78 MW
- Construction of solar power stations from 10 kW to 500 kW

Energy Storage Systems (BESS)



- Battery energy storage solutions for optimised power usage
- Grid stabilisation and energy independence

Energy Hub Madeira

ENERGY HUB MADEIRA

Innovative platform for developing, testing, and deploying next generation renewable energy solutions on the Madeira archipelago

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 Team

Our team brings strong international experience, particularly in the Baltic region, where we have successfully implemented large-scale solar projects and developed integrated engineering solutions.

This background has allowed us to gain extensive expertise in renewable energy development, project management, and the creation of efficient cooperation models between investors, municipalities, and technology providers.

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.



TARGET CONSUMER SEGMENTS

Households



Problems:

- High electricity costs due to rising energy prices
- Dependence on traditional energy sources with unpredictable fluctuations
- Limited awareness and accessibility to renewable energy solutions
- Lack of energy storage solutions leading to inefficiency in solar energy usage

Goal:

- Reduce electricity expenses and achieve energy independence
- Increase energy efficiency and optimise self-consumption of solar power
- Have a reliable and sustainable energy source with minimal maintenance
- Gain access to government incentives and subsidies for solar energy

Solution:

- Installation of solar systems tailored to household energy consumptio
- Integration of battery storage (BESS) to store excess solar energy for later use
- Smart AI-powered Energy Management System (REEMS) to optimise energy usage and lower electricity bills
- Support with subsidies and financing options to make solar energy more accessible

C&I Enterprises



Problems:

- High operational costs due to increasing electricity demand
- Instability in energy supply affecting business continuity
- Sustainability targets and pressure to reduce carbon footprint
- Inefficiency in energy usage leading to unnecessary expenses

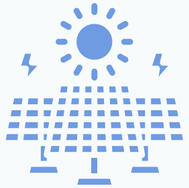
Goal:

- Reduce energy expenses and stabilise operational costs
- Implement sustainable and environmentally responsible energy solutions
- Enhance energy security and reliability for uninterrupted business operations
- Improve ESG (Environmental, Social, and Governance) compliance

Solution:

- Customised solar power solutions with on-site PV installation
- Hybrid solar + storage systems (BESS) for stable and reliable energy supply
- Smart energy optimisation with REEMS, allowing real-time monitoring and control
- Power Purchase Agreements (PPAs) or financing models to enable cost-effective implementation

Solar Park Owners



Problems:

- Complexities in large-scale solar farm installation and integration
- Grid stability issues and challenges in energy distribution
- Need for optimised energy trading to maximise returns
- Regulatory compliance and permitting requirements

Goal:

- Efficient development, construction, and maintenance of solar parks
- Maximisation of energy output and revenue through smart energy management
- Ensure compliance with regulations and grid connection requirements
- Improve energy storage capabilities to enhance profitability

Solution:

- End-to-end solar park development services including design, engineering, and installation
- Advanced grid integration solutions for seamless energy distribution
- AI-driven REEMS system for optimising energy production, storage, and trading
- Long-term maintenance and performance monitoring to ensure efficiency and longevity

CUSTOMER'S REVIEW

UAB's "Renew engineering" team performed the contract work of a 99 kW solar power plant in the NORD SPACE facility at Tarandės st. 2, Vilnius.

The work was done promptly and with high quality. The power plant was installed on a tin sloping roof in the winter season, such works become more complicated and dangerous, we would like to emphasize the responsible attitude and precise execution of all works by safety requirements. In addition, we would like to highlight the non-standard works performed: designed, manufactured, and installed a non-standard voltage converter mounting structure, hanging the converter on the roof parapet.

We recommend choosing these contractors for medium-sized solar power plant installation work. In the future, our company also plans to subcontract the team of Renew engineering UAB.



SAULĖS GRĄŽA

REKOMENDACINIS RAŠTAS

2024-04-15

UAB "Renew engineering" komanda 2023/12-2024/02 atliko 99 kW saulės elektrinės rangos darbus NORD SPACE objekte adresu Tarandės g. 2, Vilnius.

Darbai atlikti operatyviai ir kokybiškai. Elektrinė buvo įrengiama ant skardinio šlaitinio stogo žiemos sezonu, tokie darbai tampa sudėtingesni ir pavojingesni, norėtume pabrėžti atsakingą požiūrį ir precizišką visų darbų saugos reikalavimu vykdymą.

Papildomai norėtume išskirti atliktus nestandartinius darbus: suprojektuota, pagaminta ir sumontuota nestandartinė įtampos keitiklio tvirtinimo konstrukcija, kabinant keitiklį ant stogo parapeto; kabelinių linijų tiesimo metu buvo atliekami pradūrimo po asfaltu darbai, tranšėjos kasimo šlaite darbai ir trinkelių ardymo ir atstatymo darbai.

Rekomenduojame rinktis šiuos rangovus vidutinio dydžio saulės elektrinių įrengimo darbams. Mūsų įmonė ateityje taip pat planuoja samdyti subrangai UAB „Renew engineering" komandą.

B2B veiklos vadovas Vygintas Jarašūnas

Find out more!

Our Partners

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



Contact Us

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

Startup Madeira – EV 238
Campus da Penteada
9020-105 Funchal - Madeira

Renewiberia@gmail.com

CEO Maryna Kushniarevich: +351 961 644 143

renewiberia.com

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