MEGAJOULE

Rethinking Energy Worldwide

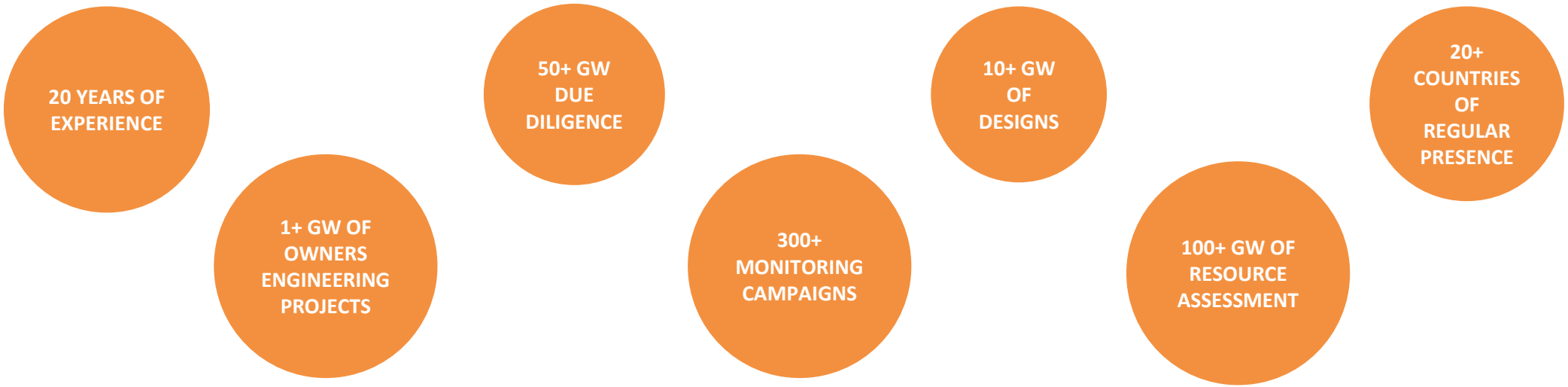
official corporate presentation

August 2025

WHO ARE WE?

MEGAJOULE is an independent engineering and consultancy, founded in Portugal in February 2004. The founders were three engineers with a solid background and experience in renewables since the early nineties, particularly in wind energy consultancy and wind resource assessment.

Until today:



WHERE ARE WE?

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megajoule@megajoule.pt

MEGAJOULE
Brazil

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1500- Sala 103
Edifício The One Tower
Aldeota – Fortaleza – Ceará
Brasil

MEGAJOULE
Headquarters

Rua Divino Salvador de Moreira 255,
4470-105 Moreira da Maia
Porto, Portugal

MEGAJOULE
Adria

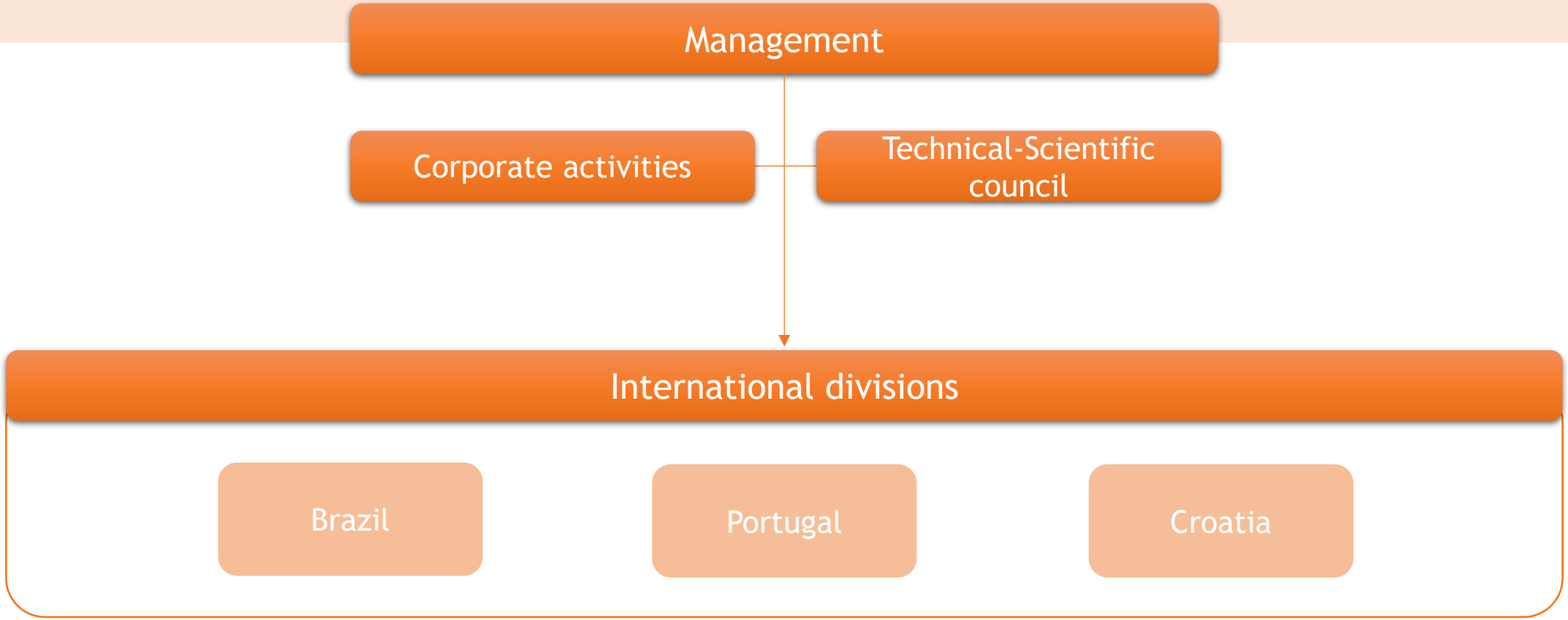
Pakoštanska 6
10 100 Zagreb
Croatia

OUR VALUES

- **VISION**: Lead the national market and be an international reference as wind and solar energy consultants, with a focus on the quality of the service to our Clients
- **MISSION**: To contribute for the development of economically feasible renewable energy projects, by offering excellence consultancy services in the different stages of the project to all the market players
- **ETHICS & INDEPENDENCE**: As a guarantee of confidence, the safety and autonomy of our conclusions, doubts and opinions are for our Clients the promise of a responsible partner
- **EFFECTIVENES & RIGOUR**: The only useful information is the one that arrives on time and the only safe information is the one that is understandable. We put our efforts in bringing science and technology to the projects of our Clients
- **PROXIMITY & DEDICATION**: Your projects are our projects. We assume with commitment our task of reducing risks and add value to our Clients assets. We work as closely and committed as any department of your own company

MJ GROUP

Founded in 2004.



MANAGEMENT

PAULO PINTO

Founder, CEO, COO

Coordinates internal operations, complex project management and human resources.

MIGUEL FERREIRA

Founder, CEO, CFO

Coordinates global strategy and business development, as well as corporate international relations.

EDO JERKIĆ

CBDO

Responsible for business development, new opportunities, coordination of departments and negotiations and advisory on key projects.

LEO JERKIĆ

CTO

Project manager, coordinates engineering department.

MAIN CLIENTS

OUR PARTNERS

PROFESSIONAL TOOLS WE USE

PVcase

AutoCAD

PVSYST
PHOTOVOLTAIC SOFTWARE

windPRO

WAsP
Wind Atlas Analysis and Application Program

windie™

DIGSILENT

MEMBERSHIPS

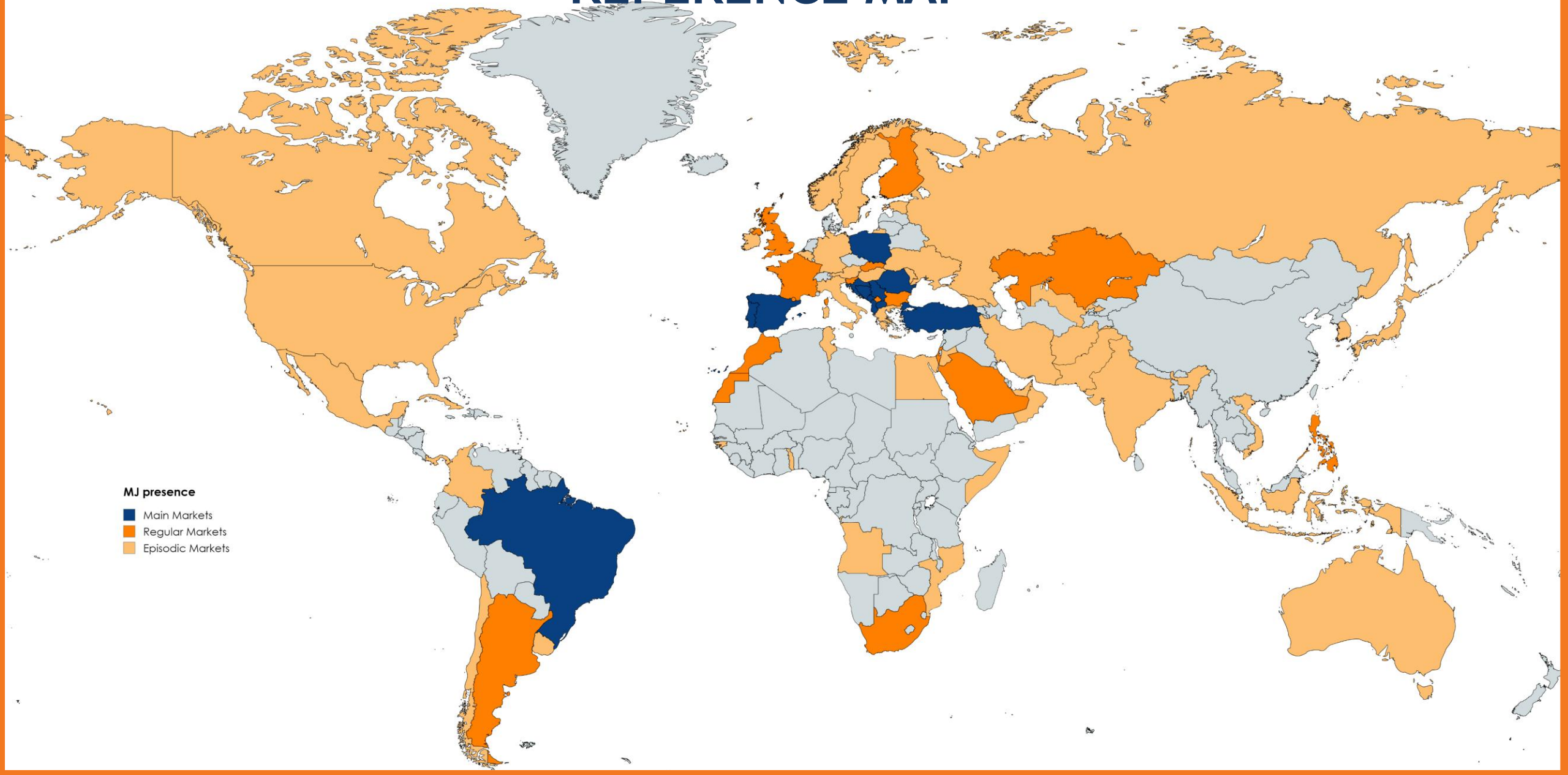
Wind EUROPE

APREN

SolarPower Europe

GWEC
GLOBAL WIND ENERGY COUNCIL

REFERENCE MAP

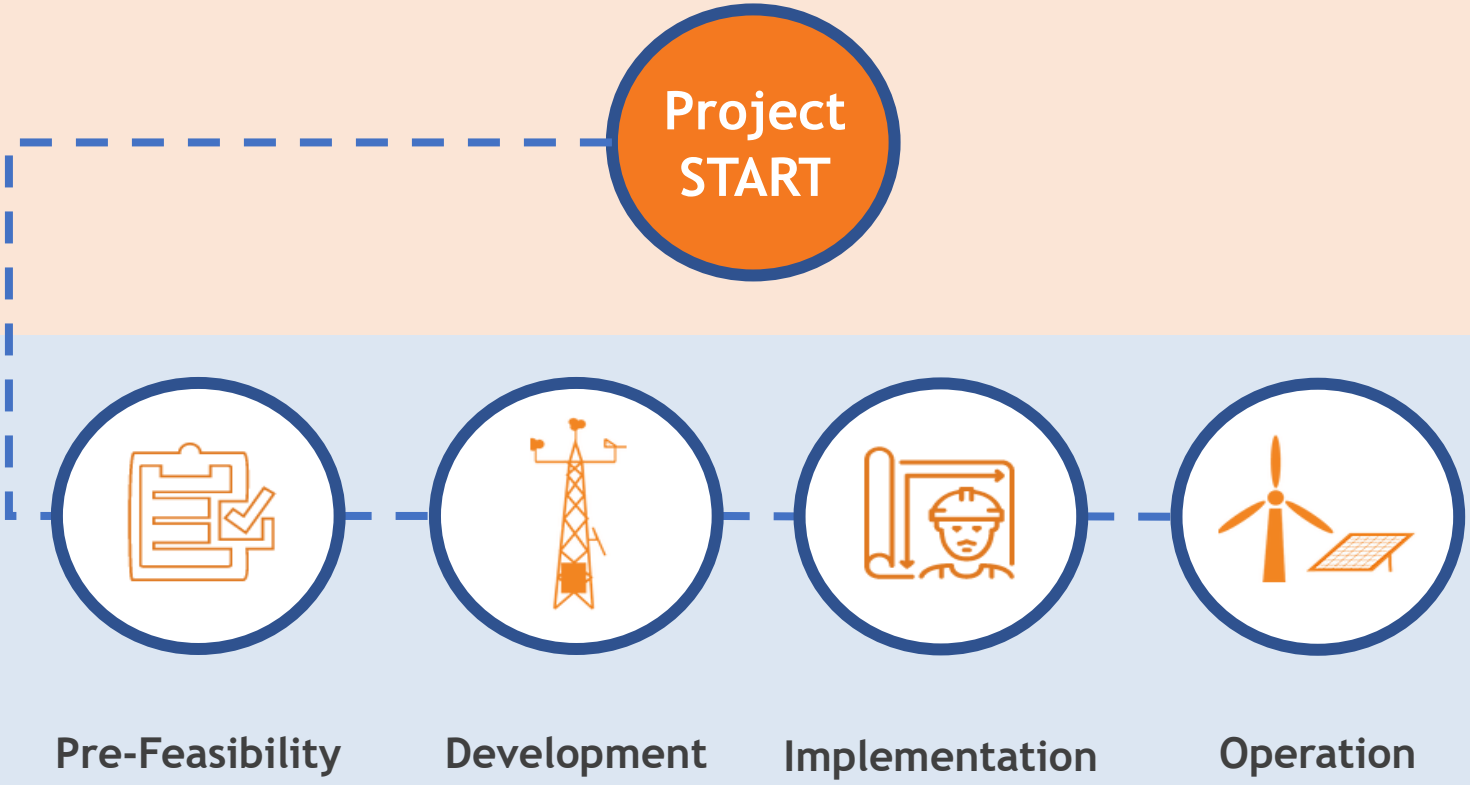


WHAT WE DO

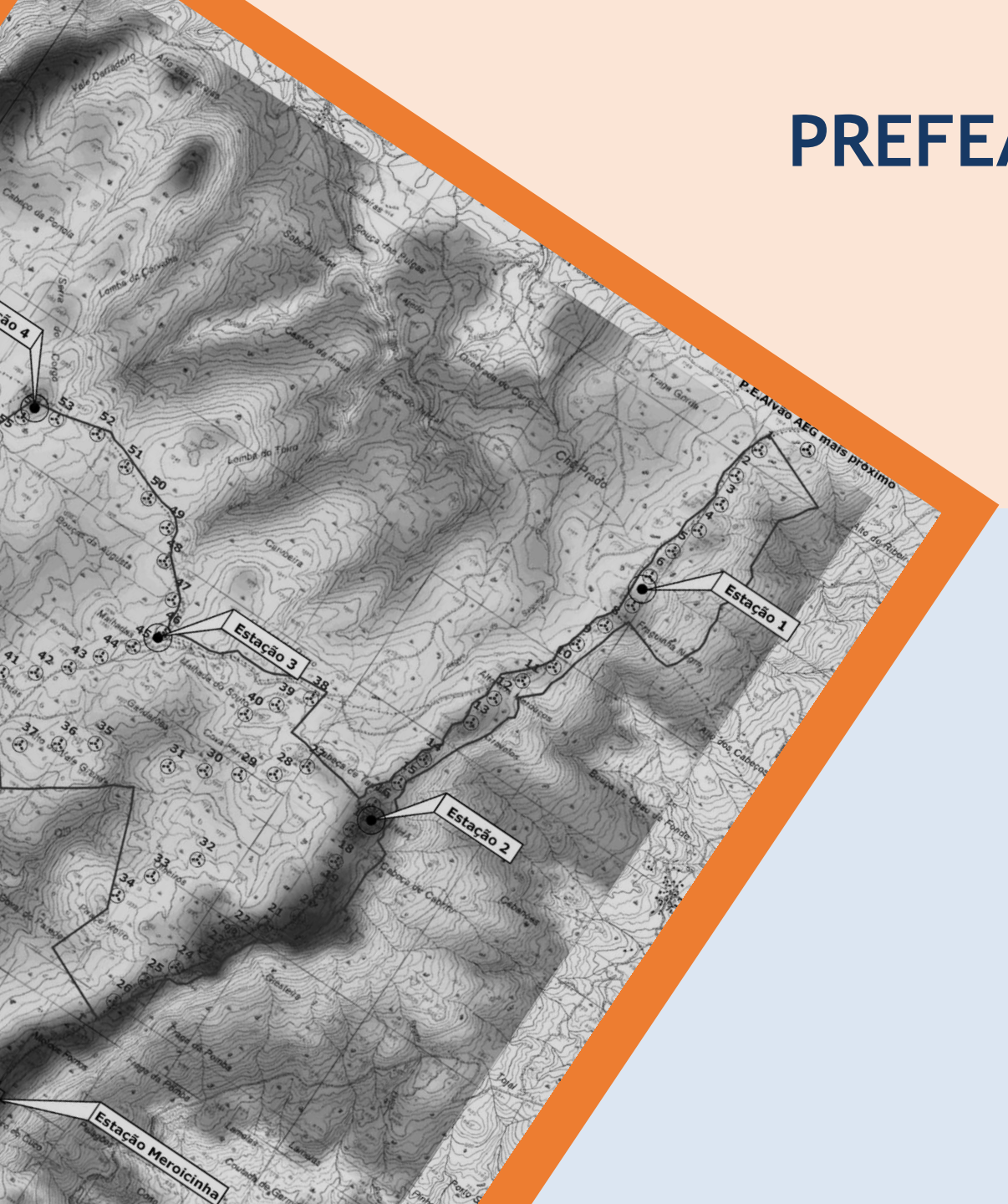
Full scope, global, renewable energy consultancy and engineering

Pre-feasibility | Development | Implementation | Operation

SCOPE OF SERVICES



PREFEASIBILITY STAGE SERVICES



- Wind and Solar Resource mapping
- Preliminary site assessment
- Preliminary energy assessment
- Accessibilities evaluation
- Grid connection analysis
- Environmental constraints assessment
- Basic designs
- Prefeasibility studies

DEVELOPMENT STAGE SERVICES

- Planning and supervision of measurement campaigns
- Met mast and instrument or LIDAR supply, installation and maintenance
- Data analysis, validation and reporting
- Micrositing
- Energy and site assessment
- Noise impact / Shadow flicker / Visual impact
- Basic and main/detailed design for WF, PV and BESS - Civil and Electrical
- Grid connection studies
- Feasibility studies

IMPLEMENTATION STAGE SERVICES

- Technical Due Diligence
- Bankable independent energy & site assessment
- Feasibility studies
- Contracting support (TSA, Warranties, O&M, BoP)
- Owner's engineer and supervision
- Lender's engineer and supervision
- Power performance evaluation
- Estimation of wind and solar power generation profile price for long term power purchase agreements
- Financial evaluation of generation projects against long term power purchase agreement price

OPERATION STAGE SERVICES

- Energy production reanalysis
- Technical Due Diligence
- Independent operation
- Met mast and LIDAR installation and operation
- Lifelines installation and certification
- Performance analysis
- Repowering feasibility studies

ADDITIONAL OPERATIONAL SERVICES THROUGH PARTNERSHIP WITH 8.2 GROUP

- Wind turbine engineering
- Wind turbine inspections
- Solar PV plant inspections
- Root cause analysis
- Component inspections
- Performance & failure analysis
- Load assessment & life extension studies
- Drone inspections

Megajoule Adria 40%

8.2 Portugal 40%

Manfred Lührs 20%

ELECTRICITY MARKET SERVICES

- Short and long term wholesale electricity price forecasts
- Identification of risks in exposure to electricity markets
- Identification of hedging strategies related to risks of electricity markets
- Support in audit of business concepts related to electricity market
- Estimation of wind and solar power generation profile price for long term power purchase agreements
- Financial evaluation of generation projects against long term power purchase agreement price
- Financial evaluation of an arbitrage using battery energy storage system with BESS capacity optimization
- Financial evaluation of mFRR and aFRR services using BESS

SMART GRID SERVICES

- Grid automation - design and implementation of advanced MV and LV power systems including switchgear, sensors, telemetry, control systems, automation logic and services
- Microgrids - support to local community in their search for more sustainable models for the energy transformation process
- Smart islands - design of autonomous energy systems with or without main grid connection
- Electric vehicles - design of networks, systems and charging stations
- Smart metering - design and implementation of metering infrastructure, AMR, MDM
- Virtual power plants - design of aggregated capacities of distributed energy resources for the purposes of enhancing power generation, as well as trading or selling power on the electricity market.

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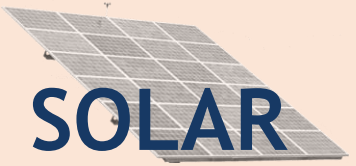

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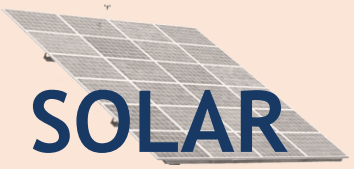

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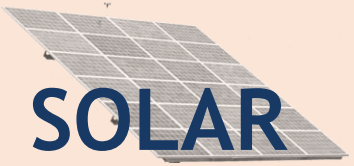

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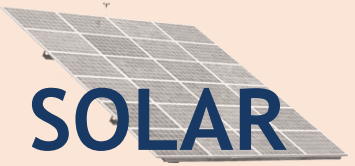

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