

**We did not invent renewable energy. But we do master it.** **Elektra Renewable Support Cernavodă**  
**Power Plants Integrated Services**



# Main Services



## GREENFIELD

**EPC Contractor**



**Design**



**Tendering**



**Execution, Grid Fine-Tuning  
and Commissioning**



## OPERATIONAL



**24/7 International Dispatching  
and SCADA Monitoring**



**Power Forecast Optimisation**



**Energy Trading**



**Commercial 3rd Party Interface**



**Corrective and Preventive  
Maintenance**

## Services Description



Elektra Renewable Support is an electrical services company operating in Romania. The finest quality solutions for development and operation projects of all sizes are guaranteed by our industry expertise.

Operating more than 350MW, our company is a successful technical operations leader for wind energy and photovoltaic systems. With a commitment to continuous improvement, we serve the global market as a top provider. We ensure a high level of flexibility while remaining a reliable partner for our customers in every way.

Always improving ourselves and our team, the Energy Regulatory National Agency licensed our company for design, build, and service any electrical installation of any technically conceivable voltage, or any power plant. Complementary, we continuously enhance the quality of our services through an integrated quality certification system.

From design and construction through commercial and technical operation and maintenance, including every step technical consulting, through our professionals, personalized services that take into account each Client's needs represent a strong point and a requirement for the current energy market.

## Services Description



### Technical Consultancy

- From Red Flag Report, prior to development, to the operation preparation, our specialists share the experience of more than 10 years in Romanian renewable business, in order to prepare any power plant for proper exploitation and maximizing production.
- We share our opinions and our vision for the future, whether we're talking about technical consulting connected to a good construction project or technical consulting related to grid connection and conformity, in accordance with pan-European grid codes and system services.

### Technical Management (Services)

- **Dispatcher Operative Management:**
  - 24/7 Dispatching – We monitor and manage power plants 24 hours a day, every day of the week, in accordance with the stringent guidelines set forth by the national grid operator. Our state-trained dispatchers are employed to manage the power plants, identify faults early and swiftly fix them. We know how to set up the conformance method in accordance with the tight guidelines of the relevant legislation. As a result, we make it simple and quick for the plants to be integrated with our dispatch center. Secured direct telephone lines, with grid and transport operators.

# Services Description



## Technical Management

### Operation and Maintenance:

- On-Call Service, 24/7 personnel availability, according to an on-call permanent schedule, Technical Operation and Corrective maintenance activity.
- According to the Preventive Maintenance Plan, periodic inspections of the entire electrical installation are performed;
- Annual Inspection - Technical Revision of the entire electrical installation, according to the Preventive Maintenance Plan.
- Performance tests for active and reactive power curve, frequency response, converter and inverter settings; power quality analysis; specific periodical measurements for voltage bus-bars, response time for circuit breakers, power transformers and relay protections, all in accordance with legal requirements and product technical specifications.
- Inverter Services. Preventive, corrective and predictive services. Alarms analysis, leading to improvement solutions. Inverter repairs on our workshop.
- Wind Turbines Services, GWO authorized service technicians. Remote and Local Operation of the WTGs. Preventive, corrective and predictive maintenance, including 24/7 troubleshooting availability. Alarms analysis, leading to improvement solutions. CMS assessment and analysis. Large corrective maintenance and spare parts supply and management.

## Services Description



### **Facility Management**

Facility management is an all-inclusive service designed for financial investors. All management is coordinated by our teams to meet specific performance targets set by the owner. This turn-key solution includes the full range of activities, like energy trading, technical management, security, dispatching, invoicing, third party interface, insurances.

### **Producers' experience**

As a result, our involvement in the renewable energy sector began with the idea that we were energy producers, and our services portfolio was developed around demands. We began from a technical standpoint with the operation and upkeep of the electrical installation, then moved on to the authorized dispatch center, energy income related services, and finally all services required for the efficient running of any power plant.

## Services Description

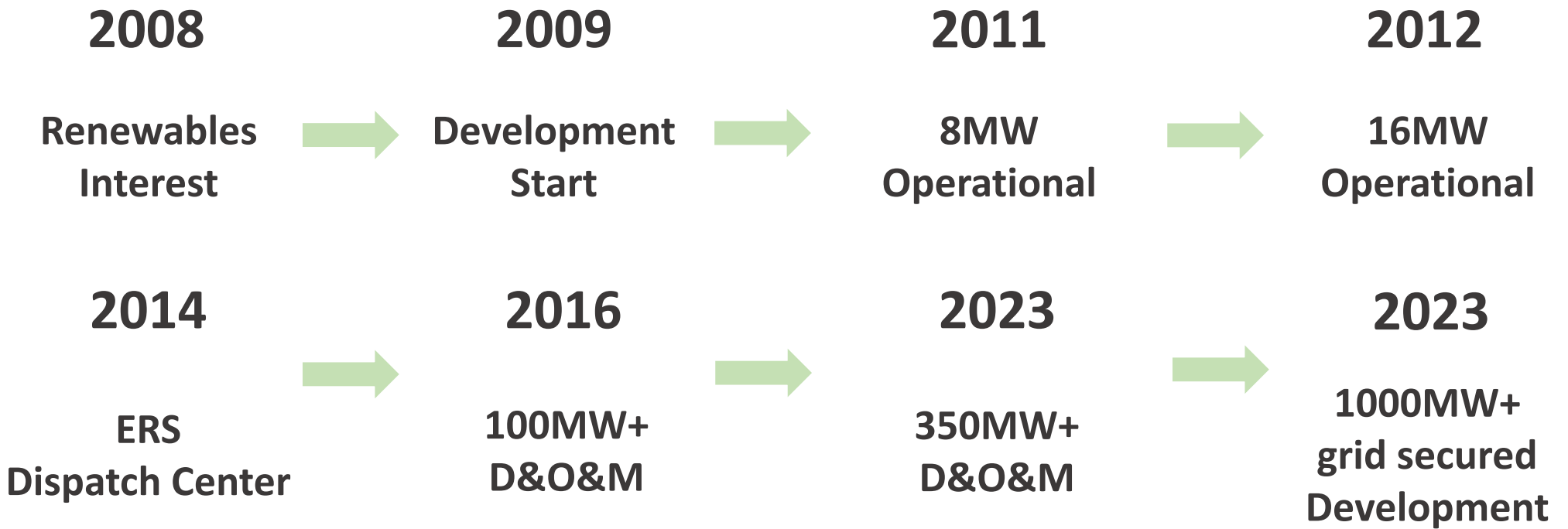


### Commercial Management

Commercial Management keeps operational projects up-to-date with all permits and associated conditions compliant to the legislation. Moreover, it maximizes earnings by optimizing the power forecasts and energy trading strategies for best financial output. Our commercial operation services lead to continuous positive improvement income:

- **Power Forecast optimization.** Hourly production forecast with 72 hours range, for day-ahead and market, optimization with property know-how.
- **Energy trading**
  - Bilateral Energy Contracts on PCCB-NC platform. Design and operate long term contracts for cash-flow stability and predictability;
  - Day-ahead energy sales on Dayahead and Intraday Platform.
- **Market Representation.** Empowered by the Client, ERS will represent the company in relation with OPCOM, Transelectrica, the Balancing Party and ANRE. It is a full scope service, and it includes, but doesn't limit to: keeping a close dialog with the authorities, submitting all requested information and reports, company registration on the trading platforms, aso.
- **Solar park management**
  - Energy invoicing; receiving and checking all invoices from suppliers;
  - Full management of suppliers' contracts (waste, energy supply, insurance, security);
  - Permits and authorisations management (environmental, production).

# Our History



D&O&M – Dispatching & Operation & Maintenance



## Main Partners



## Services Description



Dispatch Center: 24/7 Control Room

## Elektra Renewable Support – Contact

E-mail: [elenapopescu@e-rs.ro](mailto:elenapopescu@e-rs.ro)

[office@e-rs.ro](mailto:office@e-rs.ro)

Address: Cernavodă, Constanța, Romania

3A Lt. Ion Mușat Street

Tel.: +40 241 239 223

Fax: +40 241 239 147



# Community



Elektra Renewable Support encourages new generation early training and awareness of the renewable sector.

We host student practice programs with nationally recognized institutions, green weeks activities with local schools, and student participation in our O&M activity.

All of these efforts are aimed at producing future good engineers and professionals, which we all strive for.

