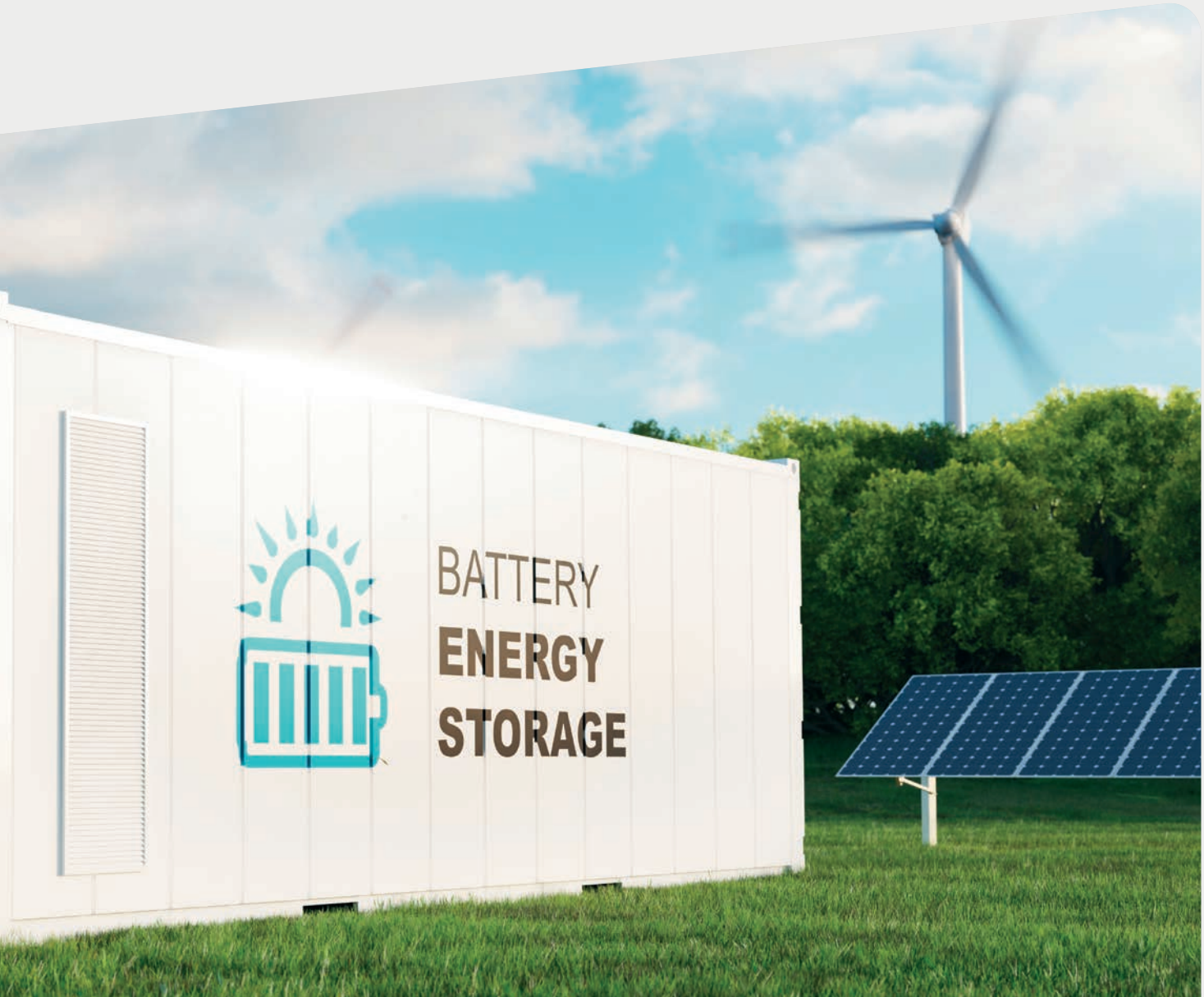
PROTASIS
engineering & consulting
with power, we perform

Engineering, Control & Digital Intelligence for RES, BESS & Hybrid Projects

Optimize performance, secure compliance, and drive value with PROTASIS as your trusted technical partner.



Engineering expertise for RES & BESS

By taking the technical and operational steps needed to meet the evolving energy demands, PROTASIS helps you develop RES, BESS, and hybrid solutions that optimize performance, and capitalize on emerging market opportunities.

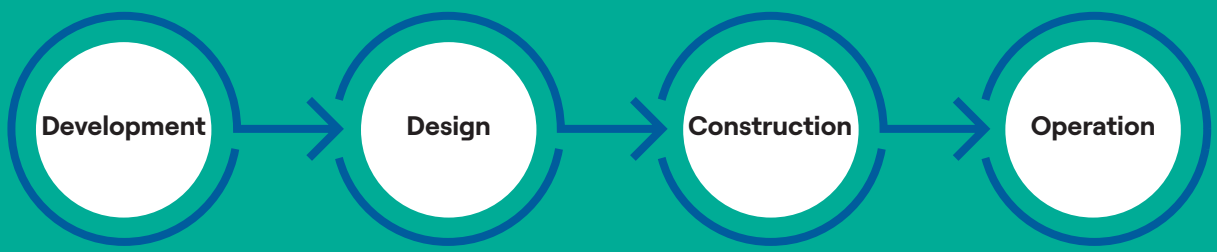
We combine engineering excellence, advanced digital solutions, and market expertise to support project developers, Independent Power Producers (IPP's), EPC contractors and grid operators throughout the entire lifecycle of modern energy assets.

Our Value Proposition

- 20+ years of power system expertise
- Projects in 30+ countries across Europe, Africa, Middle East & Asia
- Solutions aligned with grid codes, market requirements, and future-ready architectures
- Proven track record in utility-scale and hybrid assets
- End-to-end project coverage
- Vendor-agnostic, scalable, and flexible solutions

Our Scope

Delivering studies and solutions for all **project phases:**



PROTASIS, and its operations, are certified according to the latest applicable international standards, regarding the respective Management Systems

ISO 9001 : 2015 ISO 14001 : 2015 ISO 37001 : 2017 ISO 45001 : 2018 ISO 27001 : 2022

Studies, Design & Solutions for your energy assets

In today's rapidly evolving energy landscape, maintaining the balance between generation, consumption, and transmission is more critical than ever for ensuring a stable and efficient electrical system. As renewable energy sources continue to expand and demand patterns become increasingly dynamic, the complexity of managing power flows across the grid grows significantly.

The coordinated integration of comprehensive power system studies, in combination with advanced monitoring & control technologies, automation systems, smart grid solutions, and real-time data analytics, provides a holistic understanding of system performance under both normal and disturbed operating conditions.

Discover our extended services portfolio tailored for the evolving markets of Renewable Energy Sources and Battery Energy Storage Systems, and explore how our expertise supports reliable integration, optimized performance, and long-term asset value.

Power System Studies & Engineering Design

Comprehensive studies and engineering for **RES, BESS, and hybrid plants:**

- Grid Impact Studies for new power plants
- Grid Connection Feasibility Assessment & Technical Advisory Services
- Grid Code Compliance Studies
- RTDS Hardware-In-the-Loop (HIL) Testing
- Hosting Capacity & Hybrid Integration Studies
- Front-End Engineering Design (FEED) & Detailed Engineering for EHV/HV/MV Substations
- Protection & Control Systems Engineering and Design
- Operation Studies for BESS & Hybrid Power Plants
- Power Quality Compliance Studies & Measurements

Protection, Control & Digital Solutions

Advanced solutions to monitor, control, and optimize your assets:

- EHV/HV Substation Automation Systems
- PV SCADA Systems
- Energy Management Systems (EMS) for RES, BESS, Hybrid Plants & Microgrids
- Power Plant Controller (PPC - can be tailored to comply with any grid connection code)
- Advanced Metering Infrastructure (AMI)
- OT Cybersecurity (IEC 62443)
- Wide Area Monitoring and Protection Systems (WAMS/WAPS)
- On-Site Services, Commissioning and O&M Support

Technology Ecosystem

Our standard protection and control solutions are built on proven, industry-leading technologies from trusted partners:

Schweitzer Engineering Laboratories (SEL)

COPA-DATA (zenon Energy Edition)

RTDS Technologies (real-time power system simulation)

Transform your energy projects with PROTASIS

Partnering with PROTASIS ensures **integrated, reliable, and scalable solutions** that optimize your assets, ensure grid compliance, and maximize operational efficiency. From project inception to long-term operation, PROTASIS delivers **future-proof solutions for RES, BESS, and Hybrid projects**

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