

ENERTRAG Powersystem

The comprehensive software solution for the efficient management of renewable energy systems

enertrag.com/powersystem



Future-ready monitoring

Powersystem is the smart software solution that keeps your solar, wind, storage and Power-to-X projects running efficiently. Cut time and costs with real-time monitoring, early alerts for risks and opportunities, and first-class data quality. We meet the highest security standards – perfect for critical infrastructure.

Key benefits at a glance

- Full control of your assets through an easy-to-use web application
- Future-ready: continuously updated to meet your needs and regulatory requirements
- For everyone: operators, managers, asset owners and direct marketers
- Manufacturer-independent: works with renewable energy systems using standardised data interfaces

How do we achieve this?

With over 25 years of experience. Since 1999, more than 60 ENERTRAG experts have been continuously developing Powersystem – a proven solution built by practitioners, for practitioners.

Ready to run your renewables more efficiently? Discover ENERTRAG's Powersystem and unlock the full potential of your energy assets.

The screenshot displays the Powersystem monitoring interface. At the top, there are navigation tabs for 'Monitoring', 'Tickets', and 'Calendar', along with a user profile icon and a menu icon. The main content area is divided into several sections:

- Energy installations:** A sidebar on the left contains a filter bar and three checkboxes: 'Show history', 'All installations in this timespan', and 'Limit to 10 messages'.
- Installation List:** A table with columns for 'Field section / Installation', 'Manufacturer no.', 'Open tickets', and 'Power | Potential | Nominal power'. It lists seven installations (Installation 1 to Installation 7) with their respective manufacturer numbers and open ticket counts.
- Installation 4 Detail:** A modal window is open for 'Installation 4', showing a table of messages with columns for 'Type', 'Since', and 'Message'. The messages include:
 - Message:** 29.06. - 3 weeks, Error: 232 General information: Power set point POC > 0% ...
 - Limited operation:** 28.07. - 2 days, Installation running according to schedule / sending data / ...
 - Power reduction:** 29.07. - 20 hours, RTU: 1100100 / Interface 2: Active power setpoint: unlimited
- Graph:** A line graph below the messages shows power output over time, with a yellow horizontal line indicating a setpoint.
- Installation 5-7:** The bottom of the list shows the first three rows of Installation 5, Installation 6, and Installation 7.

Products & Services

Basic +



Operations Monitoring and Management

- Unified monitoring of diverse portfolios and automated processes for efficient operations
- Comprehensive reporting and centralised data management for maximum transparency



Smart Billing

- Automated data validation & flexible handling of dynamic PPA tariffs with real-time pricing
- Direct ERP integration & support for grid stability management, including balance-relevant quantities and production loss calculations



Inspections

- Standard protocol templates, easy navigation and live on-site documentation
- Automatic system updates with instant defect assignment and fast report delivery

Add-ons



PowerTrade

- Remote control and smooth scheduling for legacy equipment
- Forecast availability and secure operations with ISO 27001 certification



Performance Analysis

- Monthly performance reviews with deep-dive analyses for underperformance
- On-demand studies, reports and actionable recommendations for optimal results



Data Services

- Seamless live data integration with gap monitoring and quality reports
- Compliance checks, plausibility verification and technical due diligence for full asset insight



Stay fully compliant with permits

Powersystem lets you define and control operational requirements with precision – automated, compliant and efficient. From bat and bird protection to noise reduction, our software flexibly adjusts the operation of your wind turbines to meet legal requirements, including automatic shutdowns based on time, weather, species protection or noise limits.

Highlights

- Meet environmental and species protection requirements
- Define custom rules by site and season
- Get detailed compliance reports

Minimise downtime. Maximise availability.

Certification & Critical Infrastructures

ENERTRAG's Powersystem software delivers reliable quality and data security – designed for critical infrastructure under KritisV.



We're here for you – just get in touch!

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Find out more about us here:

