

Performance Optimization & Business Intelligence for Wind and Solar Portfolios

Software products for asset managers, operators and investors in wind power.

SynaptiQ provides transparent overviews of the operational and financial performance of wind farm portfolios, combined with powerful tools for diagnostics and market integration.

At SynaptiQ's core is 3E's proven system modelling expertise and knowledge, acquired over 10 years of experience working as assessor and trusted advisor to the renewable energy community.

Highly scalable, SynaptiQ can cope with multi-site, multi-technology portfolios, regardless of the technology manufacturers.

SynaptiQ is provided as a SaaS platform, for minimal IT hassle.

ABOUT 3E

→ Expert in sustainable energy, 3E provides consulting and software products to increase renewable energy portfolio performance, optimize energy consumption and facilitate grid integration.

→ 3E has over 10 years of experience in renewables and projects in 30 countries on 5 continents.

www.3E.eu

www.3EsynaptiQ.com



INDEPENDENT & INTELLIGENT WIND FARM MONITORING

Lower operational costs with lean maintenance and reporting automation

Increase yield with optimized maintenance planning and fast performance loss detection

Create long term asset value through independent logging and reporting

“Superior O&M practices are critical to achieving profitability of wind farms and an increase return to shareholders by 20 percent.”

McKinsey, Electric Power and Natural Gas, 2008

FEATURES & IMPACT

- Remote, online monitoring
- Independent financial & technical performance evaluations
- Multiple benchmarking references (P50/P90, dynamic simulations, contractual guarantees, measurements)
- Intervention management
- Central alarm management
- On-demand reporting
- Multi-site follow-up
- Technology independent, vendor independent
- Worldwide availability

→ Minimize downtime and increase yield: keep track of all your projects in near-real time

SynaptiQ detects more performance dips than traditional monitoring systems through its advanced simulation and benchmarking capabilities. The solution's diagnostics tools and alarm management workflows are essential to more efficiently manage and dispatch O&M activities, allowing operators to confidently deliver on output guarantees.

→ Build investor confidence: use independent models and reliable reference data and safeguard your logbook for the future

SynaptiQ immediately creates long term asset value for your portfolio by providing an independent and detailed statistical logbook. The system's intelligence is based on 3E's validated and bankable models and is designed to facilitate comparison between actual measurements, business plan, contractual guarantees and simulated expected performance. SynaptiQ connects to independent climate modelling services and meteo stations to provide reference data and indicators.

→ Reduce reporting costs: automatically generate, save and export reliable financial reports at any time

SynaptiQ makes it easy to cross-evaluate parks and manufacturers. The solution includes a fully on-demand, customizable reporting portal which allows for cross-system aggregation at any level. All system data is stored in secured data environments, to be retrieved at any time for future reporting, analysis, optimization, restructuring and refinancing.

→ Rationalize O&M costs: centralize your portfolio management

SynaptiQ centralizes data and alarms of wind farm portfolios in a unified, coherent manner, regardless of system configuration and technology manufacturer. The advanced loss detection, diagnostics and comparison tools, in addition to centralized intervention management facilitate dispatching and scheduling.

→ Increase market value of your electricity: profit from integrated forecasting

SynaptiQ forecasting tool provides intra-day and day-ahead prediction of your energy output to obtain higher value for your energy.



CONTACT US TO REQUEST A DEMO
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