



FICHTNER DIGITAL GRID – MONITOR

Condition-based real-time
monitoring for maximum
transparency in the grid

Fichtner Digital Grid MONITOR

Fichtner Digital Grid MONITOR uses (sensor) data that already exists in the company or is still to be integrated and modern services that can be used specifically for optimized operation, optimal expansion or target network planning as well as for operational and strategic optimization of operations. Exact knowledge of the levels of utilization in terms of time and location, of the actual condition of the individual components and of the short-term forecasts can be supplemented by medium- to long-term scenario analyses as required. The result is the basis of an optimizing, integrative resource tool with intelligent collaboration of all relevant actors and the intelligent utilization of former data sinks.

ADHOC ADVANTAGES

- Reduction of unscheduled downtimes
- Increased safety for plants, employees and customers
- Operational optimization through more efficient use of resources
- Reduction of inefficient measures
- Improvement of the net operating results
- Enabling new business models



Monitor → Plan → Optimize

The consistent use of the potential of the digital transformation enables the provision of realtime information, suitable analyzes, visualizations and forecasts for different user groups in the company. With BGI Monitor better, faster and more specific decisions can be made, in operational scenarios as well as for the strategic optimization of the grid. Additionally, forecasting of maintenance measures can be represented. Thus, BGI MONITOR offers feasibility approaches for potential savings, improved service and connected value-added potential.

Smart use of cutting-edge technologies

BGI MONITOR is an expert module from the cutting-edge, modular Fichtner Digital Grid solution portfolio and is based on the proven and award-winning Business Geo Intelligence (BGI) framework created by Fichtner. It offers a customizable set of combinable functions, data and services for the respective IT landscapes and specific customer requirements. In addition, we cover the topics of IT architecture, IT security, the appropriate provision of management cockpits, and the high-performance visualization and analysis of network and infrastructure statuses.





ADDED VALUE THROUGH CONSULTING EXPERTISE

Fichtner IT Consulting and the affiliated companies of the Fichtner Group contribute decades of consulting experience in structuring, assessment & development of options for action for the economic development and operation of complex networks, taking into account technical and economic parameters of the environment. Moreover we also competently cover the field of geo-analytics and complex spatial structures.

High-precision real-time data from GridEye

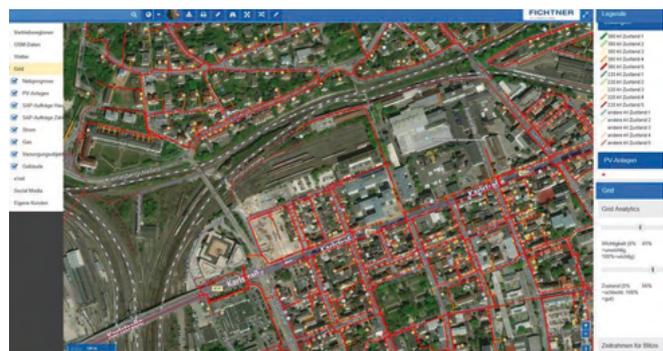
Integration of high-precision real-time data from depsys GridEye technology, a combination of hardware and software components, provides maximum transparency of the grid state and behavior in order to, among other things, reduce downtime. The field devices embed grid-edge intelligence and are ensuring data acquisition and control. Fichtner Digital Grid MONITOR builds on this data to form the basis for predictive maintenance management and can be combined with other modules from the Fichtner Digital Grid solution portfolio to offer a reliable condition-based, predictive and high-performance grid management system.



GridEye
by depsys

Cooperation partners

At the end of August 2021, depsys and Fichtner IT Consulting agreed to collaborate in the area of smart grids. The partners have decided to combine their technology and market expertise to offer grid operators smart grid solutions that are even more attractive.



Fichtner Digital Grid supports distribution system operators in meeting current challenges with a unique, flexibly scalable solution package. In doing so, we focus on company-wide use with functions that are specially designed for different work processes. We offer a customized set of services and integrative software modules that can be individually adapted to the business objectives, from the provision of a reliable, equipment-oriented database to cloud-based BPO (Business Process Outsourcing).

FICHTNER

IT CONSULTING

Fichtner IT Consulting is the IT competence center of the Fichtner Group with some 1500 employees in over 60 countries. The Fichtner Group has been established in 1922 and is family-owned ever since. We design and implement information logistics for technical networks, assets and infrastructure. We combine industry-specific knowledge with process know-how and state-of-the-art technological expertise to deliver innovative and economic solutions for your success. We extract, structure, link, process and present your (geo-referenced) data to provide efficient and effective solutions.

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