

Inspection and Maintenance

Quality assurance, recurring events: maintenance schedule, spare parts handling and stock management.

Wind, wave and weather forecasting





Commercial Operation Management

Contractual Modules

Business transactions:

- · Electric utility remunerations
- Wind power plant remunerations
- Operations management contracts
- Transformer substation operating costs
- Purchased electric energy
- General distribution of costs
- · Contracts of use / leases
- Accounting for limited partners

Keywords

- Different intervals for regular payments (minimum payment / performance-dependent payments)
- Automatic generation of payment schedules from contract data
- Automatic generation of invoices and credit notes from the payment schedule
- Counter (commercial)
- General commercial functions
- Fundamentals such as currencies cost objective management, procurement, invoices, DATEV interface, fields management.



Languages

The software system RePLANT is available in German, English and French. Other languages can be created in a short time.





Our Service

- Software development
- Software procurement
- Provider service
- Support

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Professional management of renewable power plants

Operations Management

Asset Management

SCADA



RePLANT®

RePLANT is a software system developed by ITS and intended for efficient operations management and administration of renewable power plants including wind power, photovoltaics, hydropower, biomass and geothermal energy. In addition, RePLANT can also be employed e.g. for energy storage plants and power grid substations. Combined representation of all forms of energy and cross-park plant selection in connection with sophisticated multi-window functions enable permanent system monitoring while ensuring that administrative tasks are handled efficiently at the same time.



The entire system is modular and can be extended flexibly. The modules below are available:

- Plant data acquisition and evaluation
- Control room / technical operations management
- Maintenance
- Document management system (DMS)
- Commercial operations management and accounting
- Reporting
- Administration
- Load management and billing
- Mobility thanks to APPs
- Separate portal

Main Features:

- · High degree of flexibility
- Comprehensive configuration options
- Variable processing depth
- Very clear layout
- Active control
- · Quality optimisation
- RDS-PP compliant
- Time saving due to abbreviated work procedures
- Central data management of all information

RePLANT is based on the WindPLANT software and uses its tried-and-tested functions that have stood the test of many years of practical operation.

The Java programming language makes this application not only independent of the current operating system version, but it can also be used on numerous operating systems such as Windows, OS X (Apple), Linux and Unix. The new operating concept enables quick and easy work. Under the Windows operating system, simple data exchange with Office is possible almost anywhere.

The modular program layout allows quick and safe implementation of customer-specific adaptations. The customer can freely define database fields.

RePLANT is intended for operations managers, operating companies managing operations (municipal utilities), onshore/offshore control centres and commercial operations managers.

RePLANT can operate plants combining different types of energy as one virtual power station.

RePLANT Monitor APP provides information about the operating condition of the plants on the smartphone.

RePLANT Maintenance APP provides information about local work and serves for login and logout documentation of

service technicians through their smartphones. RePLANT Portal serves for representing of data for your customers in a separate WEB portal.

Further performance features: digital maintenance schedules, recognized accounting relating to EISMAN regulations (automatic calculation and documentation of peak and lump sum accounting methods), MSCONS, evaluations of status messages (duration, frequency).

Control Room as the Central Function

The navigation tree represents the plant condition according to the prevailing priority. The information that is most important to the operator is displayed for each form of energy and the selected plants. The status of each system can be immediately identified on the color-coded display.

Graphic evaluation

The evaluations are easy to handle and very comfortable. All measured data can be converted into any output form. Similar plants can be compared. Plant selection is by drag & drop. Evaluation is available for different forms of energy generation, status messages are also graphically evaluated.

Reporting

