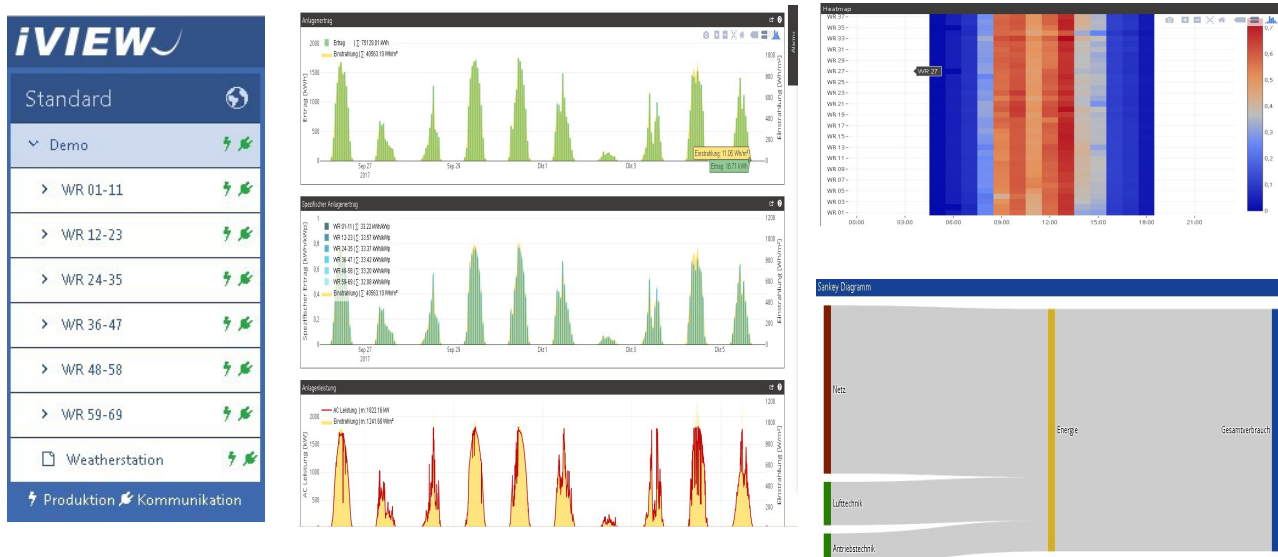


iSOL Portal for energy generation plant management

Overview

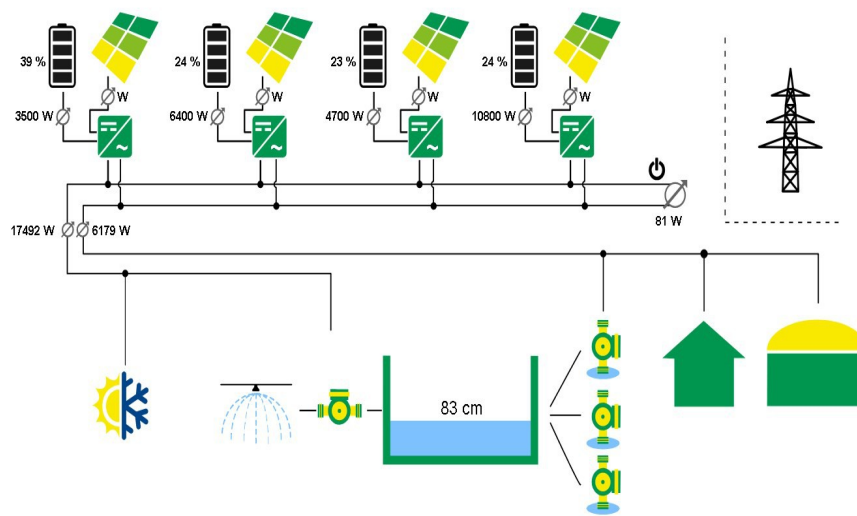
The iSOL Portal is an all-in-one web application for modeling, logging, visualization and alarming of energy generation plants. By means of the easy to use iWizcon editor the relevant devices are organized in a tree view from which the navigation structure as well as the panels for each device are generated. If needed new panels can be created using a script language in order to display anything that is required.

Visualization



Every node in the generated navigation tree contains a dashboard with graphs for the logged devices. If necessary new device types with new graphs like heatmaps or sankey-diagrams can be created.

Furthermore it's possible to create a control room view with instantaneous values



Modeling



The plant structure with all required devices is created using the iWizcon editor. From this model a tree view as well as dashboards for each node of that tree is generated. These panels can be modified to satisfy any customer needs.

Logging

From each device in the model a device specific selection of data points is logged in a time series database. This data can be viewed as graphs or tables or can be exported as excel or .csv files.

Alarming

Furthermore the software detects and logs defined errors of the modeled devices. It logs the device errors detected by the device itself as well as generated errors like unreasonable yield data.

These errors can be seen in the web application or they can be sent by email on reception or in a daily report.

Interfaces

Additional interfaces to ticketing and asset management systems extend iSOL to a scalable O&M platform.

