

# EMPURON VISUAL

## Wind Farms

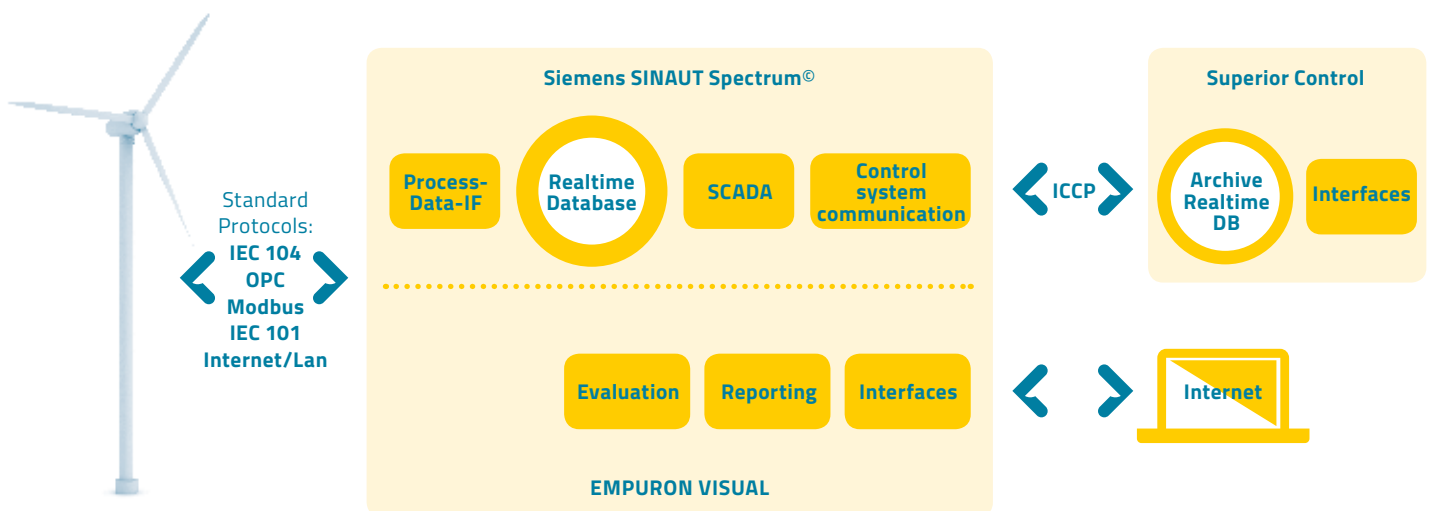
Accessing information of wind mills at different locations from each workstation – with **EMPURON VISUAL** an independent visualization and analysis of messages is possible. Presentation and reporting for values and actual conditions of all available wind turbine and plant relevant data can be performed using the Internet/ Intranet.

A clearly arranged, diagram-based presentation of information enables quick evaluation of various data constellations. Data security and protection are guaranteed by professional security mechanisms. Various possibilities for data exchange as well as a multi-format reporting engine provide easy access to data and external processing.

### Advantages

- Standard communication protocols for process data (e.g. IEC 104)
- Fully webbased GUI and interfaces of the wind farm's data
- Long-term archives for the plant data
- Modern MDI (Multi Document Interface for easy access to arbitrary plant data in parallel

### EMPURON VISUAL in combination with Siemens SINAUT Spectrum® for wind mills



SINAUT Spectrum is a registered Trademark of Siemens AG

**EMPURON VISUAL** as a webbased portal for information support in the browser currently proves its power actually in a wind farm project of Siemens. **EMPURON VISUAL** enables the flexible deployment of the interface visual IM to freely selectable, decentralized workstations and expands the possibilities for access and information, such as maintenance departments.

The providing of the function is solved using the framework of the **EMPURON PORTAL**: Users receive by appropriate definition of the **EMPURON VISUAL** roles, access to the evaluations. Pictures of facilities can be displayed browser-based in the Intranet, Internet or via VPN.

- Reporting engine allows automatic generation of extensive reports