The Brilliant Wind-turbine Control and SCADA System

Direct-Bus connection with stations of
- Turbine and Yaw Control
- IGBT- Converter
- Pitch System
- Remote Control

WIND-POWER COMPETENCE by EXPERIENCE since 1995

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SETEC presents control hardware and software including the wind-farm visualization. Therefore online modification and set-up of parameters or exact diagnoses will be possible.

Trouble shooting for each function inside turbine equipment and for power management of the complete wind-farm is available.

Remote diagnosis shows the parameters of inverter, tower-control, pitch-control and pitch-drives. Response time of data-logging can be selected from "very fast" to "cycles with long time refreshing" mode.

The system neither needs PLC nor a PC for turbine control. Therefore it is much cheaper.

A password which protects VPN (Virtual Private Network) allows connection to wind farm network from outside. Within this network, it is possible to be connected to every wind turbine. Access from outside the wind park is controlled and monitored by a central wind park server.
The Perfected Wind-Farm Visualisation and Data Monitoring

Wind-turbine control and diagnosis system,

Direct-bus connection with stations of
- IGBT- converter
- Pptch system
- turbine and yaw control

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Improving Reliability of the Wind-Turbine by Condition Monitoring

Features of Diagnosis Monitor

- **User accounts:**
  - Configuration of different levels.
- **Project administration:**
  - design projects (wind-farm)
  - open/close projects
  - change project properties
  - specific files of project
- **Administration of connection:**
  - Configure connections of project
  - Configure monitor connections
  - Password protected handling
- **Profile administration:**
  - Create profiles by profile builder.
  - pushbuttons, switch...plot
- **Data/Event logger:**
  - Log parameter to database
  - Event logging of conditions
  - View as a table or graph

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ENGINEERING and LICENSING for
MECHANICS, GENERATOR, The likely best PITCH-SYSTEM, The IGBT-CONVERTER; The CONTROL and SCADA SYSTEM