



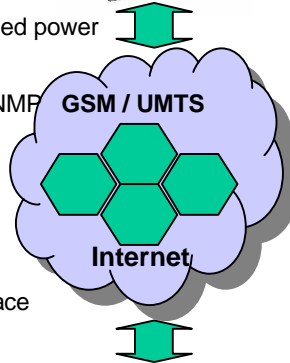
Wind Power Station's Control- and Monitoring- Tools

VESTAS, ENERCON and other's



Software:

- Transmission of the generated power in 15 min slots
- Calculation of lost generated power
- Graphical visualization of the generated power
- Alarm- Management:
 - Forwarding over SMS, Email or SNMP
 - Alarm classification
 - Ticketing system
- Status- Management
- Start / Stopp function for all WPS
- Remote configuration over webinterface
- MS- Excel- interface
- SQL- interface



Hardware:

- Integrated GSM/GPRS UMTS/HSDPA modem or connection over DSL
- DIN-Rail or IP-65 Housing
- Direct connection to the central SPS
- Direct connection electricity- meters
- IP- Camera
- Digital Inputs (p.e.: Door contact, smoke detector, etc.)
- Analog Inputs (p.e.: wind speed, current transformer, etc.)
- Switch functions (p.e.: SPS- reset, door openers, etc.)

Location	Date	Power	Other Data
123456	2008-08-22 10:00	12345.67	12345.67
123456	2008-08-22 10:15	12345.67	12345.67
123456	2008-08-22 10:30	12345.67	12345.67
123456	2008-08-22 10:45	12345.67	12345.67
123456	2008-08-22 11:00	12345.67	12345.67
123456	2008-08-22 11:15	12345.67	12345.67
123456	2008-08-22 11:30	12345.67	12345.67
123456	2008-08-22 11:45	12345.67	12345.67
123456	2008-08-22 12:00	12345.67	12345.67