

OneView® Data Gateway

Purpose

The OneView® Data Gateway combines the ability to collect, interpret, normalize and deliver data coming from multiple site servers (level 1 SCADA systems) or directly from turbine controllers of different manufacturers' brands.

Description

OneView® Data Gateway consists of three main parts: a central service, a database and a client interface layer.

The central service consists of a southbound interface, of logical drivers and a normalization layer. The southbound interface allows the OneView® Data Gateway to access the raw data and supports multiple old turbine interfaces and all new open communication standard interfaces like OPC DA, OPC UA and ODBC.

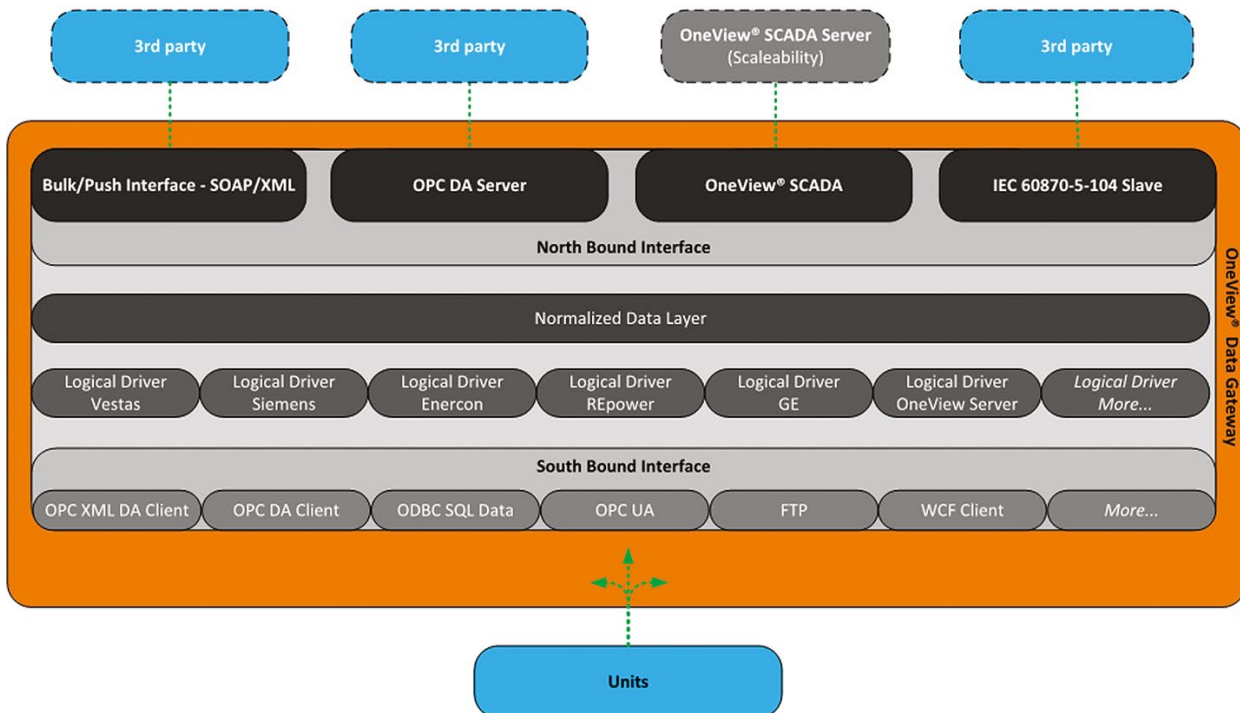
The raw data needs to be interpreted and there might be special rules related to collecting historical data and sending

commands. This knowledge is located in a layer called Logical Drivers.

The last layer is the normalization layer. Here all data is streamlined to the chosen configured normalized data model. The IEC 61400-25 data model for wind power plants is used as default data model for wind turbines.

The data is made accessible via the optional SOAP XML, OPC DA or IEC 60870-5-104 Slave.

I.e. the OneView® Data Gateway enables the user to collect data from different OEM site servers or controllers and make the data accessible.



SOFTWARE
LÖSUNGEN



HARDWARE
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CONSULTING



INSTALLATION UND
INBETRIEBNAHME



VALUE ADDING
SERVICES



SCADA
international

Features

- Supports multiple interfaces:
Collecting data from site servers or controllers
- Data collection of live data, historical data, events and aggregated data
- Normalized data models, IEC 61400-25 as default
- Open interfaces for exporting data: SOAP XML, OPC DA and IEC 60870-5-104 Slave.

Benefits

- OEM independent
- Ownership of system and data
- Cost efficient solution and administration
- Hotline user support and a 24/7/365 Service Level Agreement option



We share your passion for wind

Since its foundation in 2006, SCADA International has grown to be a leading solution provider within the global wind industry. With an extensive track record and deep roots in the Danish wind heritage our services span the entire value chain including SCADA systems, SCADA application solutions, Park Network Solutions and Energy Power Control.

Headquartered in Denmark, SCADA International employs close to 100 wind and SCADA specialists at offices in Germany, Poland, Ukraine, United Kingdom and USA. The company is certified according to ISO 9001, ISO 14001 and OHSAS 18001.

Why our customers choose SCADA International

An increasing number of companies in the wind sector in Europe and North America choose SCADA International as their partner when it comes to wind farm systems and SCADA installation, surveillance, support and maintenance.

When choosing SCADA International you get solutions that are:

- Made for the wind sector
- Customized
- Scalable
- Open
- Reliable
- And support your business model

Company references

- | | | | |
|------------------------------|----------------------|----------------------|-------------------------|
| • Aldesa Nowa Energia | • Enel | • Nordex | • Siemens Gamesa RE |
| • Boreas Energie | • Energia Renewables | • Ostwind | • STEAG New Energies |
| • Centrica Renewables Energy | • Eneria | • PGE Energia Natury | • Suzlon Energy |
| • Ørsted | • ESB International | • RegEnPro | • TransAlta Corporation |
| • E.ON | • Eurowind Energy | • ScottishPower | • Vestas |
| • EDF Energies Nouvelles | • GE Wind Energy | • SEMCO Maritime | • Volkswind |
| | • Nexus Energie | • Senvion | • WKN AG |

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