

OneView[®] Green Metering



SOFTWARE SOLUTIONS



HARDWARE SOLUTIONS



CONSULTING



INSTALLATION AND COMMISSIONING



VALUE ADDING SERVICES





Green Metering

A Green Certificate – a terminology used in Europe – also known as Renewable Energy Certificates (RECs) in the USA, is a tradable commodity proving that certain electricity is generated using renewable energy sources. I.e. Green Certificates represent the environmental value of renewable energy generated.

Once in the grid, renewable energy is impossible to separate from the conventionally generated energy and therefore the energy producer needs to somehow prove the amount of green energy that has been delivered to the grid and in such a way that it lives up to local legislation – i.e. Green Metering solution.

Extensive track record

SCADA International has extensive experience in the field and a proven track record in delivering Green Metering solutions and the necessary documentation that are in accordance with both customer needs and local requirements: High Voltage and Low Voltage solutions as well as installations in either the nacelle, tower or at substation level.

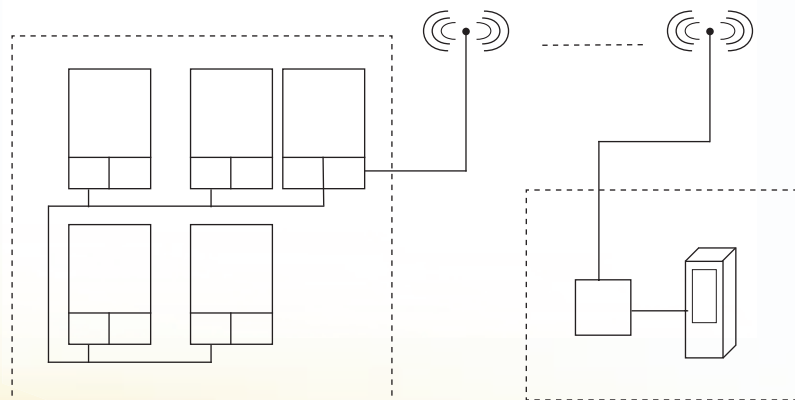
On the European market Low Voltage Measurement (LVM) has been the most common solution in the area of Green Metering and SCADA International is the market leader in that field.

Features

- Customized solution in accordance with legal requirements (High or Low Voltage)
- Plug & play turnkey solution including installation and approvals
- Hardware installation of Energy Meter detecting CT & VT
- Stand-alone or build into an existing SCADA server
- Equipped with communication protocols DLMS Protocol via RS485 and Ethernet Protocol (TCP/IP)

Benefits

- Great value in precise data in terms of Return On Investment
- Compensation for losses (from point at turbine generator to grid point)
- Can be built in with OneView® SCADA
- Extensive track record



OneView® Low Voltage Green Metering

SCADA International's Low Voltage Measurement solution (OneView® LVM) is a Green Metering solution that measures production without any cable and transformer loss on the low voltage side of the transformer. By using the OneView® LVM unit, revenue on the produced energy will increase. The solution is designed to measure the actual power produced at the low voltage terminals at each wind turbine—discarding the power loss in the transformer and the tower cable. Any system losses within the electrical wind farm infrastructure and losses within the main substation transformer will also be discarded (once connecting to the substation metering equipment on the high voltage side).

The OneView® LVM solution is designed for the energy meters' remote access and is delivered either as a stand-alone solution, an optional solution included with a OneView® LVM server, or as a build-in solution in an existing SCADA server. The OneView® LVM server performs data logging, database and predefined reports. The information is available for both utility and wind farm owners in a customized interface. The communication could go through GSM/GPRS, Serial or Ethernet.



We share your passion for green energy

Since its foundation in 2006, SCADA International has grown to be a leading solution provider within the global renewable energy industry. With an extensive track record and deep roots in the Danish wind heritage our services span the entire value chain including SCADA Hardware Solutions, Software Solutions, Installation & Commissioning, Consulting and Value Adding Services.

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 renewable sector in Europe and North America choose SCADA International as their partner when it comes to SCADA systems and SCADA installation, surveillance, support and maintenance.

When choosing SCADA International you get solutions that are:

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

Company references

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

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