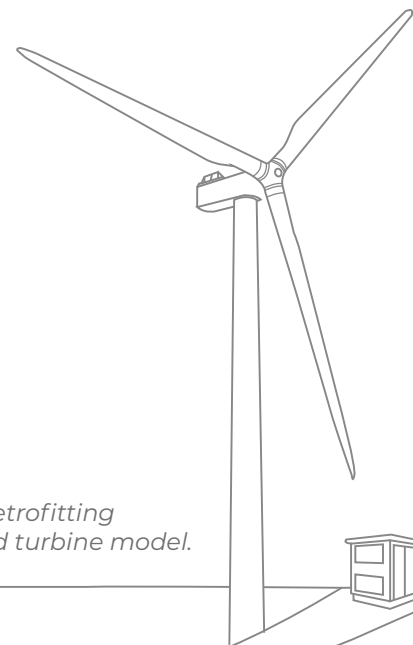


# THE SOLUTION\*



*\*Designed for retrofitting the MM92 wind turbine model.*

## DEIF CONTROL UNIT

DEIF's AWC 500 Advanced Wind turbine Controller is the most robust solution in the industry. The controller is suitable for cold climate or extended temperature operation. With its embedded real-time Linux operational system and CODESYS CONTROL PLC run-time, the AWC 500 offers a maximum of stability in terms of execution of the application software.

## IMPLEMENTATION OF NEW CONTROLLERS

Supplied with a touch screen for easy and intuitive access, the brand-new controllers are DEIF Control Units for the nacelle and the tower base, which both will be located inside the cabinet's door.

## SCADA SYSTEM RETROFIT

The new SCADA system, OneView® SCADA, will display live and historical data, enable remote asset control as well as monitor, analyze and report various data.

## ONEVIEW® SCADA

OneView® SCADA is a renewable asset management solution that enables accessing, unifying, monitoring, analyzing and reporting data. It features OEM independence, flexibility, multi-technology management and data normalization – based on IEC 61400-25 standard. Developed by SCADA International, the OneView® technology currently supports more than 6000 renewable assets around the world.

# DESIGNED FOR

## ONSITE AND REMOTE ASSET CONTROL

Equipping the nacelle and tower base with the DEIF Control Unit grants you access and control of your asset and further components, reducing the cost of service and asset maintenance. In addition, remote asset control is enabled by the OneView® technology – provided within the OneView® SCADA solution. Concretely, this technology emits direct commands to the turbine controllers, making asset control from anywhere possible.



## DATA ACCESS AND OWNERSHIP



By retrofitting the OEM SCADA system, you will ensure full access and ownership of your asset's data – real-time and historical wind turbine data. Indeed, getting informed of your asset's status will be possible through the notification feature for alarms and events. The new SCADA system – equipped with the OneView® technology – is able to access, monitor, analyze and report different sorts of data.

## DATA INDEPENDENCE

The inclusion of controllers and the replacement of the SCADA system guarantee complete data independence from the OEM, supported by the handover of full documentation and end-user trainings. By obtaining real-time data daily, you will be able to optimize your everyday operations and extend the life of your assets.



# MADE IN DENMARK

DEIF Wind Power Technology and SCADA International have joined forces to develop a retrofitting solution to support owners of Senvion. The SCADA Retrofit Solution combines the expertise, know-how and cutting-edge technology within the industry to ensure complete OEM independence and full control of the assets and their data.

## ABOUT DEIF WIND POWER TECHNOLOGY

DEIF Wind Power Technology is a subdivision of DEIF Group – a global market leader in green, safe and reliable control solutions for decentralised power production offshore or onshore. DEIF Wind Power Technology supplies robust turbine components, innovative solutions and technology for turbine power performance.

## ABOUT SCADA INTERNATIONAL

SCADA International is a leading solution provider within the renewable energy industry, which offers worldwide consulting, engineering and project solutions related to real-time Supervisory Control and Data Acquisition (SCADA) systems. With an extensive track record and deep roots in the Danish wind heritage, SCADA International is passionate about making a difference and strives towards continued growth – for both customers and employees.

# SCADA RETROFIT

The SCADA Retrofit Solution for Senvion includes installing new controllers and upgrading the OEM SCADA system, enabling full control of the turbine and high-speed access to reliable data.

## SCADA RETROFIT SOLUTION

- OEM independence
- Reduced cost of service & maintenance
- Increased asset & data control
- Asset life extension

**To learn more about the solution, please contact us at:**

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# SCADA RETROFIT SOLUTION FOR SENVIION

Become OEM  
independent:  
asset control  
and data access

A partnership of:

