



ENERCON SERVICE CAMEA

Halil Durutürk

08.11.2023

Target:

- Fulfill HSE, legal requirements.
- Meet customer expectations.
- Keep ENERCON's Mission-Vision.

Tools:

- Qualified man power. (Indoor & Outdoor)
- Material supply.
- Defined processes.
- Knowhow & future solutions.





05.11..23



Established in 1999

841x WECs, 2.205,96 MW (with EPK) in operation

158 white and blue collar employees

129 service technicians with avg. 6 years of seniority

29 admin employees with avg. 9 years of seniority

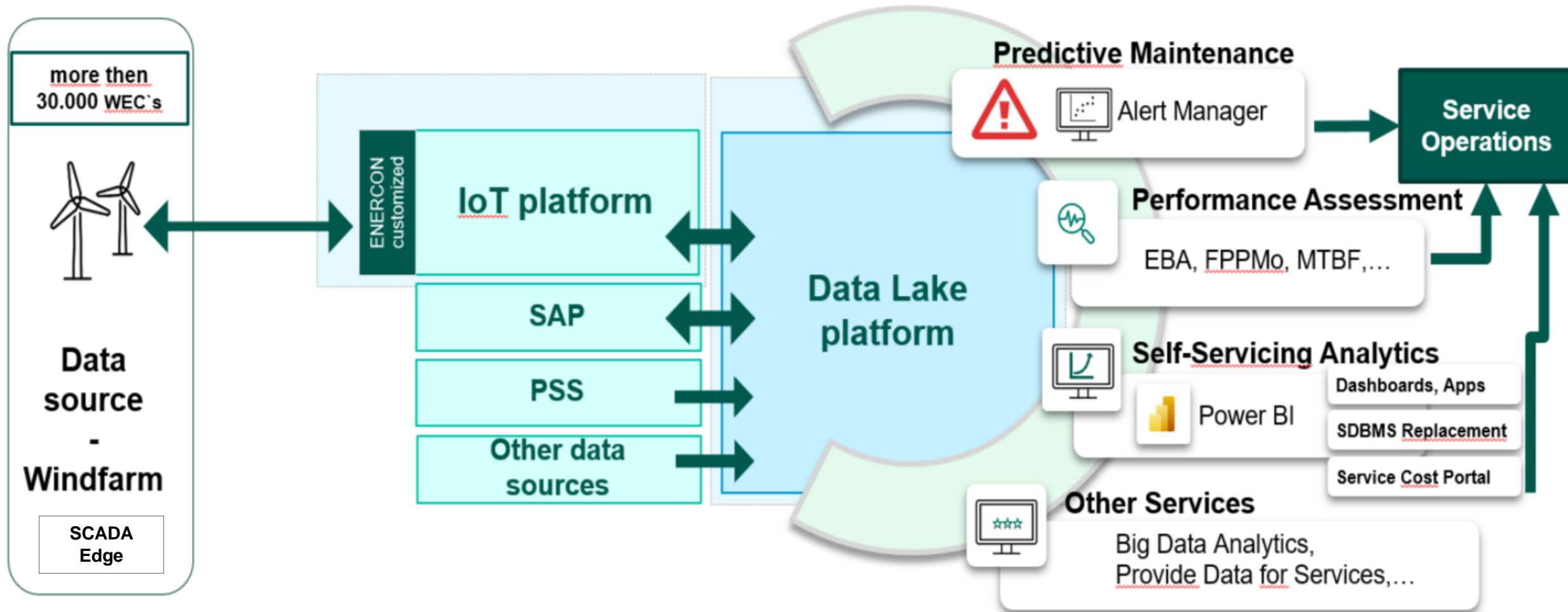
Working with 50 Different investors

2+1 main store, 21 Wind farm store, 100 Service Cars

Local productions supports main component supply

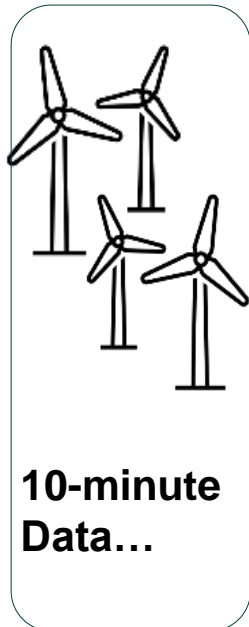
Enercons Road to a modernized & centralized Data Management

New SCADA Version, IoT platform & Data Lake replaces legacy infrastructure



IoT & Data Lake Platform provides new functionality for ENERCON

Data Lake Platform



Predictive Maintenance Enablement

Use of Advanced Analytics (Statistics, Machine Learning and Artificial Intelligence) and novel technologies to optimize the service and minimize down times of WECs.

Example: Main Bearing surveillance

Load changes on bearing & increases temperature.
Temperature behaviour can be identified.
EP2 class: Replacing front bearing can avoid rear bearing failure.

Use Case Example

