SCADA as a foundation for digitalization and intelligent services

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Sustainability through safety, environmental and asset integrity

IMPORTANT

LICENCES

BUILD (steel and LxWxH)
Question; how do we secure the investment for the next 25-30 years?

Optimal production with maximum asset integrity
Sustainability through safety, environmental and asset integrity

Analysis and intelligent services

2nd level SCADA

Step 1
INFORMATION, CONTROL AND OPERATION
CONVERT DATA TO STRUCTURED INFORMATION

Step 2
SHARE STRUCTURED INFORMATION TO 3RD PARTIES

Step 3
ORCHESTER AND PRIORITIZE CONTROL ACTIONS FROM
ANALYSIS AND INTELLIGENT SERVICES

Supervising and management systems

3rd party systems and sensors

Installations and control systems (1st level SCADA)
To be considered as information, data needs to be set in a context, received and understood
Wind Speed

12.7

DATA

Wind Speed

12.7

INFORMATION

Wind speed and direction cause a block effect of +%

DATA STORAGE

IEC 61400-25

KNOWLEDGE

Intelligent maintenance
Optimal production

Command:
Change to recommended setting of item WT1 and WT2 to reduce wake effect by -%

Task & Recommendation:
Due to weather conditions – reduce by ...
... to avoid critical wear and tear

PERFECTLY CONNECTED

Sustainability through safety,
environmental and asset integrity
1  Perfectly connected

2nd level SCADA fills the GAP by connecting OT & IT and control & services

2  Smart operations

Digitalization is critical to optimize production, achieve predictive maintenance and to deliver intelligent services to the wind industry

3  Sharing is caring

The goal of sustainable energy is best delivered together

We believe in open interfaces and open mindsets
Thank you for your attention

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