

Paris Session 2022



Digital Products

SC A2- PS1 - Q1.3

What are the issues for doing online-measurement for transformers in wind and photovoltaic applications?

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Initial situation with conventional products

- Grid complexity:
 - Renewables and prosumers increase product requirements
- Reliability:
 - Failures lead to long outages due to lack of transparency
- Total costs of ownership:
 - Outages and unnecessary maintenances increase costs
- Environment:
 - Oil and gas leakages pose environmental and safety risks

Customers need...

- Increased grid reliability and load capacity
- Digital status monitoring to optimize the performance, reduce outage times and increase safety
- Reduced total costs of ownership
- Environmental friendliness – production and operation of equipment as sustainable as possible

Group Discussion Meeting

Sensformer – Digitized transformer

Enabler for increased operational transparency & smart grids



Group Discussion Meeting

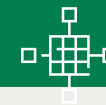
Condition Monitoring –

Immediate transparency based on real and virtual sensors



Smart Operation –

Simulation of operation scenarios



Product Integrability –

Interfaces for integration

