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

In the initial situation the industry started with conventional products and didn't consider the grid complexity because renewables and prosumers increase product requirements.

Furthermore, the reliability was not in the focus and therefore failures lead to long outages due to lack of transparency and knowledge as well.

The total costs of ownership were higher by those outages and unnecessary increased maintenances costs.

And finally, there is an increased environmental and safety risk by mineral oil and gas leakages.

Renewable Customers need increased grid reliability and load capacity as the loading is very volatile. A digital status monitoring optimizes the performance, reduce outage times and increase the overall safety which ends in a reduced total cost of ownership.

And the products must be environmentally friendly, safe at any time and production and operation of equipment must be as sustainable as possible

For that purpose, we can offer Sensproducts and Sensformer which offers

Condition Monitoring – with an immediate transparency based on real and virtual sensors

Smart Operation – for simulation of operation scenarios and

Product Integrability – with all necessary interfaces for integration