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Precision Power Measurements of Renewable Energy Sources

Ben Kemink

Yokogawa Europe, Amersfoort, The Netherlands

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Abstract

To realize a Sustainable Society, decentralized power generation systems like wind power, photovoltaic, tidal and other renewable energy sources are continuously being innovated. As more innovation focuses on energy efficiency and integration of electronics into power-based systems, more researchers and engineers are demanding accuracy and precision from their power measurement. Challenges are measurements on very low power factor, transient power, and fluctuating power. This presentation will introduce power measurement technologies for Transformers, Motor/Inverter, Wireless Chargers, and the calibration capability in Europe.