

## Benefits of digital substation

### B3 PS3.5

What are your expected benefits of using digital substation concepts and how to measure if the benefits can be realized?

Dr. Peter Menke, Germany

**SIEMENS**  
ENERGY

# Digitalization enables ultra compact switchgears



Local control and protection

Low Power Instrument Transformers (LPITs)

# Benefits of Low Power Instrument Transformers

- Reduced size & weight
- Environmentally friendly
- “Uprating” capability
- Improved personnel safety
- Improved measurement performance
- Simple & fast spare part delivery
- Robust & durable
- Simplified Engineering & Approval

