

NI-Single Board RIO for “HOS2 PI622”

- **Challenge:** Monitoring temperature gradients on 50kA 16/50/60Hz GIS-Systems (gas insulated switchgear systems)

- Replacing outdated equipment and providing better signal conditioning features.
- Creating a customized DAQ-Application for reliable logging of thermocouples (> 300 Channels)
- Optimizing the quality and productivity of measurements
- Automated calibration module and MSWord report

- **Result:** This modular state of the art temperature monitoring system covers all needs for flexible lab measurements.

- **NI Hardware and Software used:** Single-Board RIO with LabVIEW RT & FPGA PC with LabVIEW for Windows

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“Standard COTS-Hardware from National Instruments combined with our customized Hardware results in a functional on time project”