



**Client:** Rheinenergie Cologne  
**Voltage range:** 10 kV / 400 V  
**Work areas:** Maintenance – Disassembly – Assembly  
**Challenge:** Live work, switching in the 400 V grid

## Expertise in air and SF<sub>6</sub>-isolated 10-kV systems

### Rheinenergie Cologne, framework agreement for grid installation

GSB received the framework contract from Rheinenergie to perform maintenance and alteration works on 10-kV distribution grid stations. The distribution grid stations include both air-insulated and SF<sub>6</sub> gas-insulated equipment.

The modification of the 10-kV distribution grid stations include the disassembly of medium voltage panels and outgoing units. Temporary solutions are required for maintaining the power supply during the upgrading. Afterwards, the new medium voltage switchgears and low voltage distribution including the 10-kV and 400-V transformer cables are assembled and the entire station is put into operation. The project also includes civil engineering works to install the cable.

Much of the low-voltage work will be performed as live work. The contract also includes 400-V system transfer.

