

# Wind Park

## Bröcklingberget



Transformer station for Härjeån Energi and Bröcklingberget wind park, north of Orsa.

**During summer 2019 a transformer substation was installed at the Bröcklingberget wind park, approximately 120 km north of Orsa. The project was initiated by Härjeån Energi. Harju Elektek was contracted to supply equipment from Arise, a company that develops total solutions for land-based wind power.**

### Technical description

Systems and equipment were supplied in two phases.

#### Phase 1:

- GRYTEK CombiFLEX technical shelter for 33 kV, relay SCADA system and indoor wind SCADA system
- ABB combined breaker 72 kV and VT on foundation
- ORMAZABAL CPG.0 33 kV, 1 250 A, 5 compartments 1-pole insulated
- ELCOVER KK LV cabinet and SCADA system via Netcontrol
- ETRA transformer 50 MVA assembly
- Zero point reactor with auxiliary transformer
- Site preparation and construction work
- Electrical certification
- Coordination, engineering and commissioning

In phase 2, Harju Elektek received an order for a connection station, M2, 33 kV with its own indoor station, including:

- GRYTEK CombiFLEX technical shelter with 33 kV, indoor relay SCADA system
- ORMAZABAL CGM.3 33 kV, 630 A, with five compartments and ventilator
- ELCOVER KK LV cabinet and SCADA system via Netcontrol
- MF back-up power transformer, 50 kVA



Station for connection of wind power, 45-33 kV.



Medium voltage switchgear, CGM.3, 33 kV with ventilator.



Medium voltage switchgear, CPG, 33 kV.



Relay SCADA system and Elcover low voltage switchgear.