



Gas Insulated Switchgear at Krafla

The substation in Krafla in Skútustaðahreppur, which will be situated north of the existing 132 kV substation by Krafla, will be a covered GIS (Gas Insulated Switchgear). In this first phase the substation will connect to the existing 132 kV substation through a 220/132 kV transformer (SP4) as well as the Kraflaline 4 (KR-4). The building is on one floor about 600 m² in size and divided into a isolated control center and voltage space and an isolated steel frame construction for 220 kV GIS equipment. It is expected that the substation can enlarge in the future.

Key figures:

- Excavation 2.300 m³
- Load column 1.500 m³
- Concrete 560 m³
- Reinforcement 48.000 m³
- Formwork 2.700 m³
- Steel frame 55.000 pcs
- Hollow Core units 380 m²

Buyer:

- Landsnet

Period:

- May 2016 - September 2017

Developers:

- Mannvit
- Hornsteinar Arkitektar

ÍSTAK'S Role:

- Main contractor