REFERENCE

Siemens

Mining Plant

Project Description

- The Oyu Tolgoi mine in the southern Gobi region of Mongolia has one of the world's largest copper and gold deposits and is set to become the fourth largest copper mine in the world by 2030.

The climatic conditions for this project are very challenging. Temperatures drop to -30 degrees in winter and can reach 40 degrees in summer.

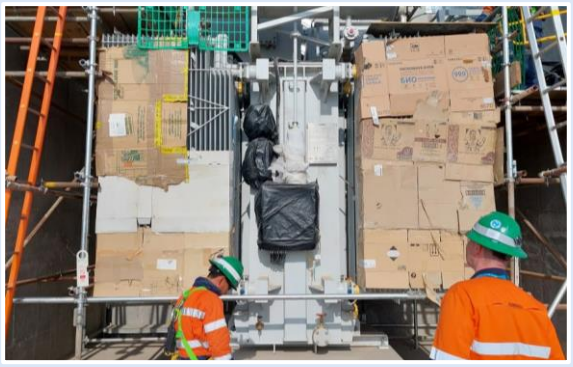
Role & Scope

Thanks to many years of cooperation with Siemens, the INP Schweiz team was able to support the plant conversion with sound know-how in the field of mechanical and electrical installations.

- Supervision of the installation and assembly of all electrotechnical components (containers, transformers, cabinets, monitors, sensors)
- Coordination and supervision of cable pulling and connection work for all power, control and mains cables
- Advising on-site staff (electricians, electromechanics, local workers) on the correct use of tools and performance
- Reporting of the assembly progress in coordination with the site management
- Planning schedule (resources, deadlines, materials)
- Preparation of red corrections and handover documentation
- Implementation of construction site safety measures

Technical Component Details

- Medium voltage switchgear type 8DA10 (gas insulated) and NX-AIR (air insulated)
- Transformers, low-voltage power distribution, Sinamics SL150 and Sinamics S150 frequency converters and slow speed synchronous motors with a rated power of 5.5 megawatts
- Pre-assembled "E-Houses" for the installation of this equipment



Customer: **Siemens**

Location: **Mongolia**

Project Duration: **18 months**

Services: **Installation Supervision**

"INP Schweiz once again supported us with their outstanding specialists in the implementation of this challenging project."

RONALD HEINRICH, PROJECT MANAGER
SIEMENS ERLANGEN

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