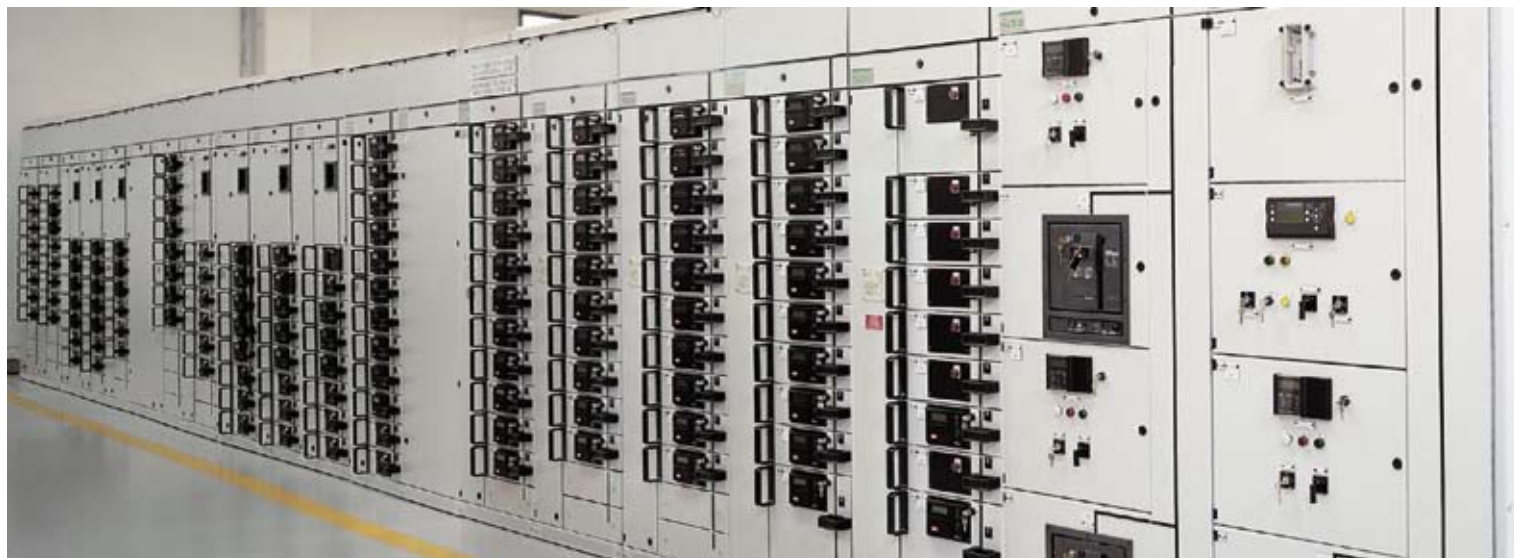


TENGIZ / KAZAKHSTAN

In Charge of Your Energy.



TENGIZ / KAZAKHSTAN



Tengiz field (Tengiz is Kazakh for “sea”), in western Kazakhstan, is located in the low-lying wetlands along the northeast shores of the Caspian Sea and is one of the biggest oil fields in the world. Discovered in 1979, Tengiz contains 24 billion barrels of high quality oil and six to nine billion barrels (1 km³ and 1.4 km³) of recoverable oil. It is deep, having a target depth of 4,500 meters. It also contains significant gas reserves (18,000 billion cubic meters).

The processing plant is made up of building blocks. Each building block is called a KTL (coming from the Russian for Complex Technology Line) and contains two trains of gas-oil separation, including oil-water separation and stabilization and sour-gas compression, two trains of amine-based acid-gas removal, two trains of Claus sulphur plant and tail-gas treating, one common gas-processing plant, one shared on-plot utility block, and one shared control room.

Oil from the Tengiz field is primarily routed to the Russian Black Sea port of Novorossiysk through the Caspian Pipeline Consortium (CPC) project.

END USER

TENGIZCHEVROIL

A CONSORTIUM OF: CHEVRON, EXXONMOBIL, LUKARCO

SOLUTIONS DELIVERED

Skema supplied its products and solutions for the Tengiz field, and in particular for the Central Power Station, the Central Distribution Substation, for KTL 1 and KTL 2 Load Relief Substations, Sulphur Forming, Train 2.3 Power Station Upgrade, Plant Nitrogen System and Kulsary Rip Sera Rail Yard.

Skema supply included:

- MV Switchgears (79 sections)
- Intelligent Power Motor Control Centers Switchgear (120 columns, more than 350 drawers)
- RTUs (2)
- LV Distribution Panels (120 boards)

