



LOCATION

Southern Iraq



PROJECT DESCRIPTION

Eni was awarded the license for the development of the Zubair super giant field in Iraq. The license has been awarded to an Eni-led consortium (with Eni as Operator), consisting of the US Occidental Petroleum Corporation and Korea Gaz Corporation. The Zubair field, one of the largest Iraqi oil fields, currently produces 195,000 barrels of oil per day. By 2020, under the field's expansion program, production is expected to reach a plateau level of 850 thousand barrels of oil per day. The expansion program includes the drilling of more than 200 wells, the construction of treatment facilities and the required collection network, as well as the refurbishment of the existing plants.

Drakken was awarded the initial electrical engineering contract, designed to progress the electrical engineering to the procurement phase to allow critical major equipment orders to be placed. Drakken's depth of experience with fast track project engineering cycles allowed the client to accelerate the key engineering deliverables and place major equipment orders in a fraction of the time typically required for an EPC contract.

Some of the engineering deliverables included in this contract were:

- Detailed electrical system modelling for 40mW of power generation 13kV
- Key Single Line and Distribution studies
- Substation layouts
- 3D lighting studies and calculations for all facilities
- Site layout drawings and material takeoffs
- FEED deliverables
- SCADA and controls architecture

With regard to the successful completion of the contracted engineering, Drakken was requested to augment the company engineering team with key electrical and instrumentation designers seconded for the life of the project, and a dedicated remote drafting team to complete both electrical and instrumentation detailed design.

The Drakken Project team included project management in UAE and Engineering from Canada and the UAE.

PROJECT HIGHLIGHTS

PROJECT VALUE	\$980,000,000 USD
PROJECT TIMELINE	18 months
TYPE OF EQUIPMENT	Gas/Oil Production Facilities
PRODUCTION CAPACITY	850,000 BPD
SCHEDULE	Fast Track Engineering Cycle - 4 months
SAFETY	No lost time accidents