

Project:

HEBRON GBS

LOCATION:

Canada, Newfoundland



YEAR:

2011-2016

CLIENT:

Kiewit-Kvaerner Contractors (KKC)

SCOPE/PHASE:

Pre-feed, Feed and Detailed Design

PROJECT RESPONSIBLE:

Kolbjørn Høyland (kh@olavolsen.no)



Project description:

The Hebron oil field is located offshore 350 kilometers southeast of St. John's Newfoundland. The Hebron field was developed using a concrete gravity based structure (GBS). The GBS consists of a reinforced concrete structure designed to withstand sea ice, iceberg and harsh oceanographic conditions. Dr. techn. Olav Olsen contributed with several engineers in key positions both in the Feed phase in Oslo and the detailed design phase in St.Johns.

In the Feed phase OO-engineers was involved in conceptual design of the GBS and establishing design loads. Typical task in detail design was concrete design, steel design, post tensioning, constructability, D-region design, special task and construction support.

