

KITCHEN LIGHTS UNIT #3

Installation of a development platform for natural gas exploitation in Alaska

OVERVIEW

Location

Cook Inlet, Alaska

Client-provided items (CPI)

Offshore development platform:

- Monopod, Transition piece
- Topside
- Helideck

Maximum weight

1200 tons (Monopod)

Dimensions

44 × 20 metres (Monopod)

Vessel

MV Svenja (Type 183, equipped with two 1000 tons cranes)

Vessel modifications and deck equipment

- Temporary living quarters for 60 supporting team members
- Special mooring system
- Hydro hammer

Scope of work

- Rent and install an adjustable mooring system to guarantee accurate positioning in strong tidal currents
- King Pile to be driven into the seabed by a hydro hammer
- Lowering monopod to seabed (delivery by barge, additional preparations on deck)
- Installation of Topside, Helideck

Period

Six months (from March until the end of August)

Client

Crowley Maritime Corporation

A challenging project: MV Svenja successfully finalized the installation of a complete development platform in the Cook Inlet in Alaska. SAL proves high level engineering within difficult environmental conditions.

SAL Heavy Lift's MV Svenja was chartered for the installation of the development platform within the Kitchen Lights Unit #3, a petroleum exploitation



Work in progress: installation of the Topside

area of Deutsche Oel & Gas AG in the Cook Inlet in Alaska. That included several preparation tasks like the vessel itself, to procure and install temporary living quarters onboard the MV Svenja as well as to rent and install an adjustable mooring system. The installation itself comprised three main parts (Monopod, Topside and Helideck).

Let's do this.

All tasks within the installation were limited by a tight time schedule. Because only during high tide installation windows were open for about four hours. One of its most challenging tasks was the installation of the Monopod: The crew had to thread the 45 m high Monopod exactly onto the King Pile – without

underwater visibility. Therefore a 3-D-sonar-system was needed to view the underwater situation. That means: One crew member on the deck supervising the cranes directly and one crew member in the survey container where the sonar system was displayed.

The result – mission accomplished.

At the end of August, after 90 days on site, the whole development platform was installed and finished. Both SAL and its client Crowley were satisfied with the course of the project. "SAL was our primary heavy lift contractor for that



Mission accomplished: whole production platform completed

highly technical and environmentally challenging project. SAL's technical skills, their vessel MV Svenja and the team's operational experience led to a very successful installation", states Michael Johnson, Statement Project Manager of Crowley.

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