Project:

# LONGYEARBYEN FLOATING QUAY

**LOCATION:**
Spitsbergen, Longyearbyen

**YEAR:**
2015

**CLIENT:**
Longyearbyen Lokalstyre

**SCOPE/PHASE:**
Concept development and Pre-Feed

**PROJECT RESPONSIBLE:**
Rune Jerstad (rje@olavolsen.no)

**PROJECT DESCRIPTION:**
Development and increase of the Longyearbyen port capacity. A 120 m x 35 m floating concrete compartment structure of 9 m total height will be constructed at the mainland and towed to Longyearbyen for mooring, installation of a 70m land access bridge and completion of two separate buildings on the quay deck. The port functions comprises 300 m length of quay in addition to a marina, 2500 $m^2$ for loading and maneuvering of cars and trucks, 1000 $m^3$ fuel storage. Additional functions are research facilities, cruise ship reception and tourist brief rooms. Dr.techn.Olav Olsen has managed the project team and performed structural design of the quay including the mooring systems and the access bridge for governing loads from ice, ships, wind and waves for the transportation phase and the operation phase.

DR. TECHN.
OLAV OLSEN