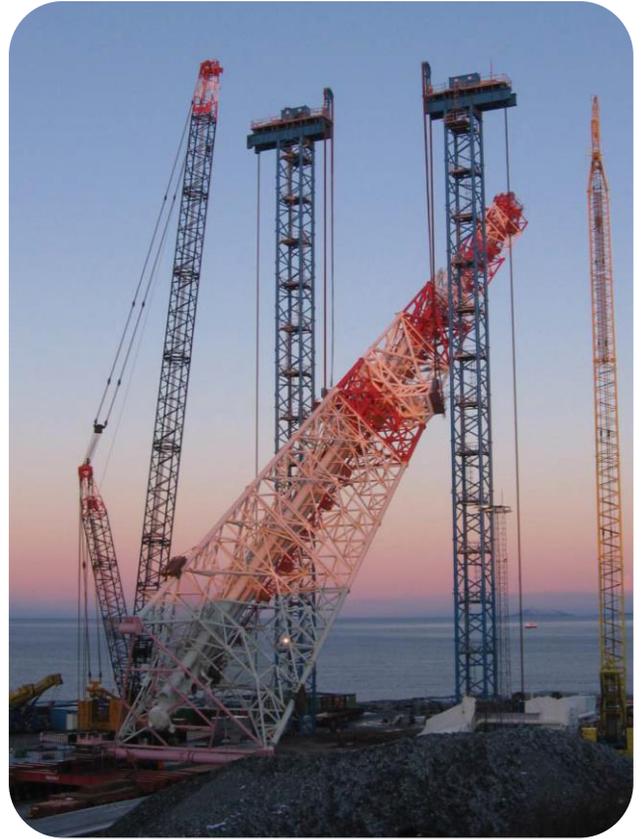


NORWAY: SNOHVIT LNG PROJECT, MELKOYA ISLAND

PROJECT	EQUIPMENT	WEIGHT
PETROC	SPMTs STRAND JACK AND TOWER LIFT SYSTEM	UP TO 2700 TON



Fagioli SpA carried out the transport, lift and installation of over 180 modules as well as one exceptionally heavy cold box assembly and a flare tower for a new LNG plant on Melkoya Island off the Northern coast of Norway. The cold box weighing 2,635 tonne was transported from its fabrication yard in Antwerp, Belgium to Melkoya Island. The 68m high structure was first weighed utilising Self Propelled Modular Transporters (SPMTs) hydraulics fitted with calibrated pressure gauges and the centre of gravity calculated to within an accuracy of +/- 3%. The cold box was transported using 144 rows of SPMTs along a specially constructed roadway to the loadout jetty where it was transferred to the ocean barge BOA 21. After sea fastening of the structure, the barge and cold box was floated onto a submersible heavy lift ship for the 1,700 mile voyage to Melkoya Island.

The barge was then re-floated and positioned alongside the foundations at Melkoya. Fagioli performed the load in operations at site and placed the structure directly onto its foundation using an identical SPMT arrangement as used for the loadout.

Fagioli also performed a spectacular erection of a 137 metre high flare tower. This 609-tonne lattice mast type flare was raised into a vertical position by two of Fagioli's 80-metre-high lifting towers, with one L450 Strand Jack on top of each tower which carried out the lifting of the flare tower and two L300s at ground level which were used as tie backs. Two SPMTs (20 axles) were used for tailing.

Throughout the Hammerfest project Fagioli's top priority was to execute all activities onsite under high safety standards as such Fagioli were awarded one of the prestigious SNØHVIT HSE AWARDS. Pictures on the right show load in and transport operations with modules weighing up to 1000 ton.

Below a list of the modules installed by Fagioli

Unit Type	Total no. of installed unit	Total weights (t)
PAR	44	5.784
PAU	69	15.717
VAU	14	2.026
PAS	5	153
SL	53	1.953
Cold Box	1	2.700
Flare tower	1	607
TOTAL	187	28,940

