



A-FRAME DESIGN - MCKEIL MARINE

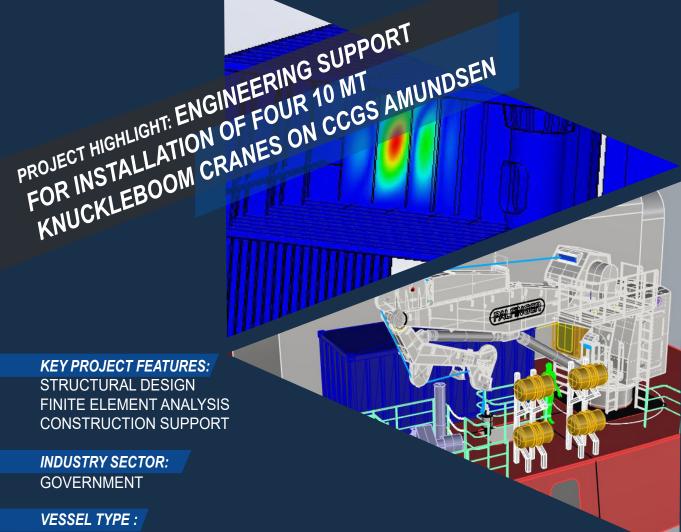
Full structural design and Finite Elelment Analysis for 5 MT sectional A-frame.

ENGINEERING SUPPORT - RV LEEWAY ODYSSEY

Various modifications projects for Leeway Marine, including design of new winch, davit, transducer pole, and regulatory approval advice.

ENGINEERING SUPPORT - RV NAUTILUS

Various engineering projects for RV Nautilus, including installation of a traction winch, sheave design, development of A-frame Maximum Capability Document, design of hatch and access ladders.



ICEBREAKER / ARCTIC RESEARCH VESSEL

Provision of engineering support to Pennecon Hydraulic Systems for replacement of CCGS Amundsen's four cranes with 10 MT offshore knuckle boom cranes. The project included major structural modifications, pedestal design and integration, finite element analysis, fatigue analysis, class approvals and construction support.

SERVING THE MARINE INDUSTRY
FOR OVER 40 YEARS!