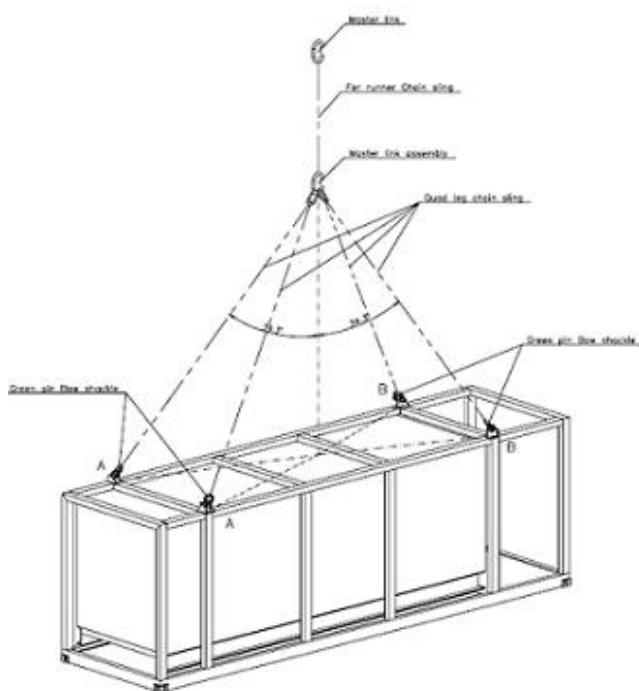




HPU SKID MODULE DESIGN

P. van den Oever awarded Conbit the design and engineering contract for the module covering a Hydraulic Power Unit (HPU). The HPU required a container type structure which met the offshore standards.

The scope of work consisted of engineering the module, structural analysis of the final design, design of rigging configuration and fabrication supervision.



PROJECT

- ✓ ENGINEERING
- ✗ PROCUREMENT
- ✗ INSTALLATION

Client

P. van den Oever

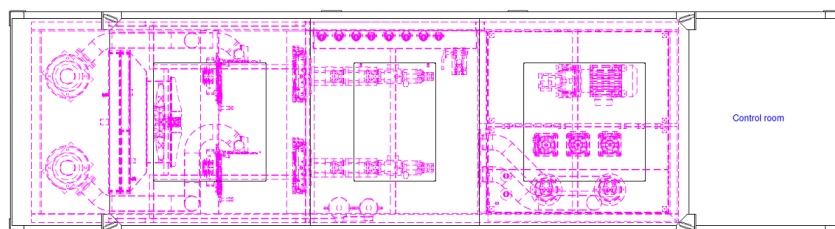
Year

2010

Project

HPU Skid Module Design





Picture: General arrangement of Top View.



Pictures: Load Test at Client yard.



Picture: Access of Container module.



Picture: Internals of container.

OFFSHORE STANDARDS

The design is based on the DNV 2.7-1, "Standard Certification – Offshore Container" and the EN 12079-1 guideline for "Offshore Containers and Associated Lifting sets".

The module is classified as an Offshore Service Container ISO Designation: 1BBB (30 ft High Cube).

DIMENSIONS

The HPU weighs 10,500 kg. The main structure of the skid module weighs 4,200 kg. The assumed total weight of the module for structural analysis is set to 20,500 kg. The dimensions are 9,105 x 2,418 x 2,896 mm (LxWxH).

TESTS AND CERTIFICATES

After the fabrication of the skid frame was completed, it was load tested at the yard. A drop test was also conducted in line with regulatory guidelines. After the tests were successfully completed, the fabrication was finalized and the complete module was coated.

"MODULAR CONSTRUCTIONS ALLOW COMPANIES TO OUTSOURCE ABROAD AND BENEFIT FROM LOCAL COST ADVANTAGES"