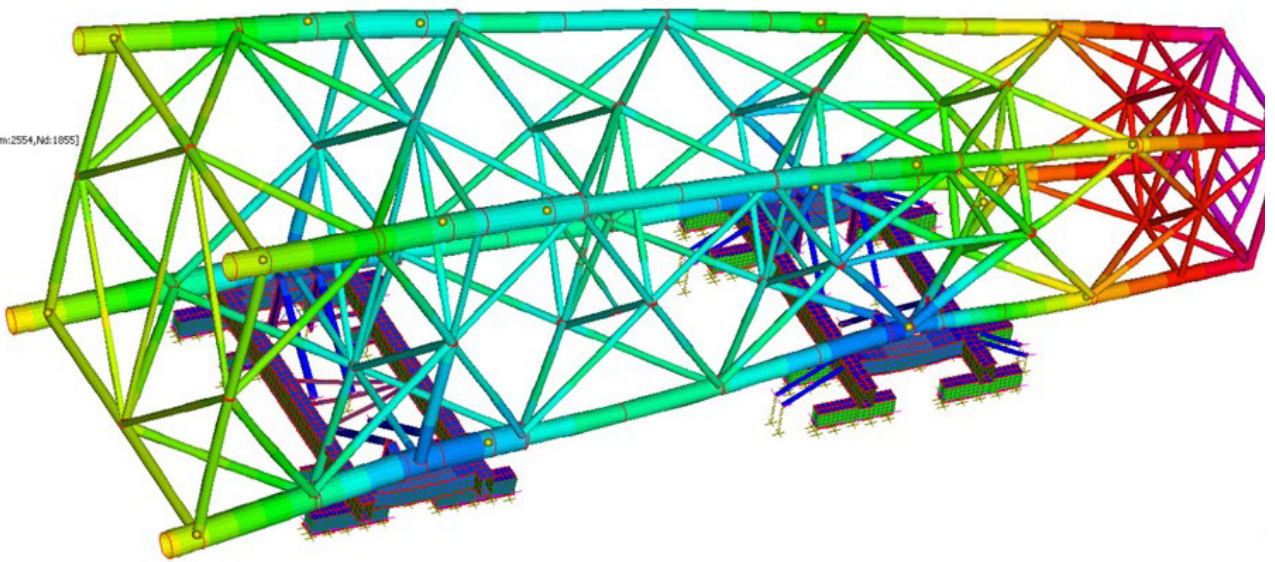
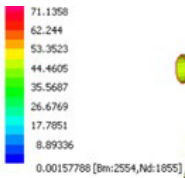
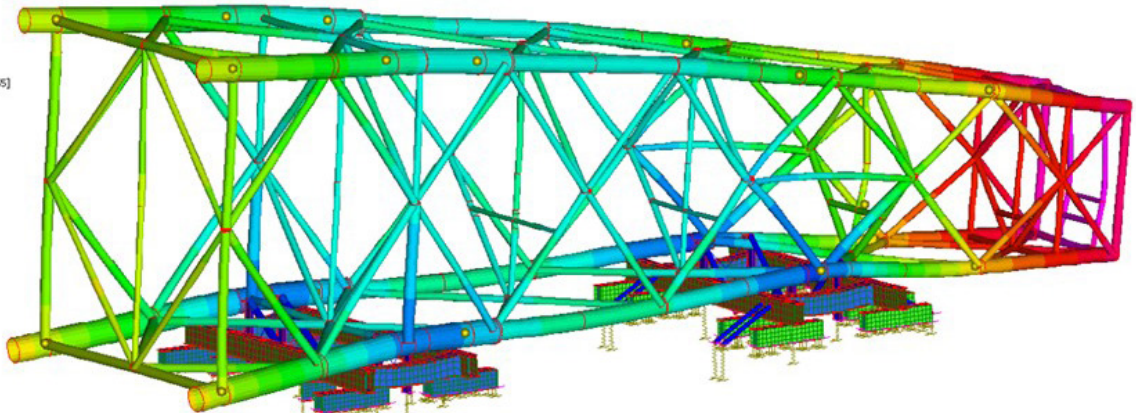
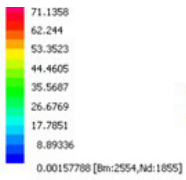


**MALIN  
ABRAM**

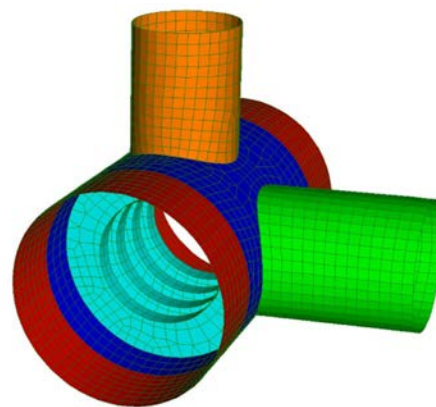
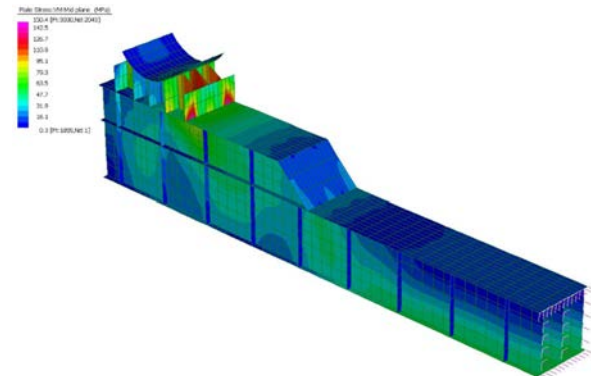
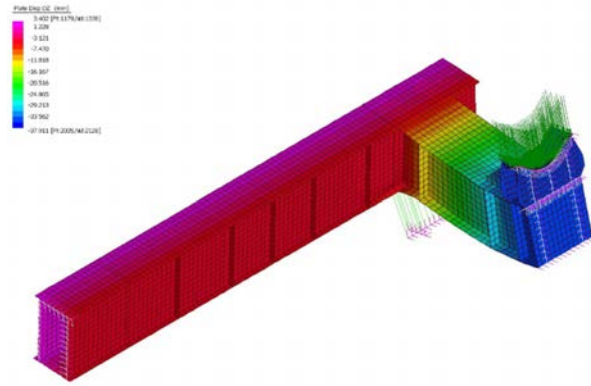
# CONTRACT RECORD M187-CR-01

**SEA FASTENING, LOADOUT AND BARGE  
GRILLAGE DESIGN**



# CONTRACT RECORD M187

- **Scope:** To carry out the design of sea fastenings, barge grillage and transportation frame for a jacket structure
- **Client:** Burtisland Fabrication Ltd (BiFab)
- **Cargo:** Jacket Structure  
Total Weight: 9500 Te
- **Challenges:** Many engineering challenges, predominately driven by the space constraints on the transport barge, the limited number of support points on the jacket structure itself and high sea-going loads acting on the jacket. The transport frame had to be suitable for both the sea-going loads, trailer loads and build loads with each of these presenting a different set of loading conditions and modelling challenges



**Figures:**

- Views on the Global FEA Model [1]
- Transport beam and saddle submodel for SPMT loadcase [2]
- Transport grillage submodel [3]
- Fabrication of transport grillages [4]
- Local detailed node model [5]