



## Client: Belmet Marine (Subsea 7) – Cape Town

### Project Brief

- ▶ Project: TEN Project - Fabrication of PLETs, PLEMs & SIV HP Piping
- ▶ Location: 3C Metal & Belmet Marine workshop
- ▶ Duration: 8 Months
- ▶ Manhours: ±47 000
- ▶ Total Welds: 904



### Scope of Work

- ▶ Qualification of 12 project specific PQRs
- ▶ Prefabricate assemblies in 3CMSA workshop by fitting and welding.
- ▶ Installation of assemblies into structural frames inside Belmet Marine workshop.
- ▶ NDT (100% Surface and 100% RT with high grade films)
- ▶ Boroscope inspection, Flushing and Gauging of completed pipework.
- ▶ Pressure testing of pipework and valve seat testing of valves.
- ▶ Installation and testing of hydraulic tubing.
- ▶ Completion of QC packs for prefabrication and installation phases.

### Significant achievements

- ▶ Zero LTI's.
- ▶ Qualification of 12 project specific PQRs
- ▶ Fitting and welding of the exotic materials including:
  - ▶ API 5L X65 + Inconel 625 Cladding (6" & 8")
  - ▶ ASTM A790 S32760 Super Duplex Stainless Steel (1/2", 1 1/2" & 2")
- ▶ Welding of SS tubing with Automated GTAW (Orbital Welding)



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