

Alpha Plus was contracted to provide the hydraulic package to the clients specification for off shore equipment on a “Seadrill Pipe Handling Facility” consisting of three distinct stand alone sections:-

PIPE HANDLING CRANE
CONVEYOR AND FEED TABLE
SUB STRUCTURE

Each area was constructed using stainless steel grade 316 pipework and “Stauff FORM” connector system also in grade 316 stainless from 8mm outside diameter up to and including 42mm outside diameter pipework. Hoses complied with EN853 2SN or EN856 R13 and had grade 316 stainless JIC end fittings.

“Compri Clean” system was used to clean the pipework as it was being installed.

Final flushing of the individual systems to achieve a cleanliness level of NAS 5 was carried out using our flushing rig and analysis (Stauff Laspac) equipment.

Pressure testing was carried out following successful flushing using our calibrated pump, gauges and chart recorder.

Pipe handler crane hydraulic circuit had a working pressure of 300 bar (test pressure of 450 bar).

Conveyor and sub structure had a working pressure of 210 bar (test pressure of 315 bar).

All test results were documented and issued to the client for record purposes.

Individual units were assembled onto a purpose made test track where factory acceptance tests were carried out.

Following successful completion of factory acceptance tests, nitrogen was injected to remove oil from each section after which pipework was tagged, stripped and plugged before being packaged and transported to site.

See attached photographs.

PIPE HANDLING CRANE



IMG 4037



PICT 2539

PIPE HANDLING CRANE



PICT 4041



PICT 2543

PIPE HANDLING CRANE



PICT 4045



PICT 2549

CONVEYOR AND FEED TABLE



PICT 2498



PICT 2506

CONVEYOR AND FEED TABLE



PICT 2511



PICT 2521

SUB STRUCTURE



IMG 4029



PICT 2476

SUB STRUCTURE



PICT 2480



PICT 2484