

Business Update

Express Engineering Group Energize QA Weld Tech

Introduction

Over the past twelve months Express Engineering has re-energized QA Weld Tech through significant investment in state of the art pipe cladding equipment, highly skilled fabrication engineers and a robust ERP/capacity planning system.

Production Update

Significant advancement in Pipe Cladding Technology & Capacity

QA Weld Tech have developed a worldclass pipe cladding machine in conjunction with the equipment supplier that can offer a robust high quality process with enhanced wire lay down rates.

The twin torch technology is also equipped with dual camera technology to monitor quality and facilitate accurate weld restarts at any position in the pipe bore.

Based upon the machines outstanding performance, a second machine has been purchased and will be fully installed and commissioned by December 2024.

The enhanced quality has facilitated additional shifts to be worked across a seven day period and by the end of December the available pipe cladding capacity will have increased to in excess of 24,000 hours per annum.



Improved scheduling

Clear visibility

The implementation of a new ERP system within QA Weld Tech is now delivering the necessary management processes and controls needed to support our clients within the Energy sector.

The Seamless integration between the ERP system and our finite capacity scheduling system “Preactor” provides the business with clear visibility across all WorkCentre’s. This clarity allows our production planning team to identify any potential delay or constraints well in advance of production.



Our projects

Collaboration results in Successful Outcome

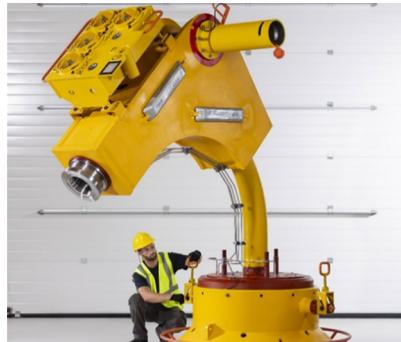
Express Engineering in collaboration with QA Weld Tech have successfully delivered multiple complex subsea connection systems within an aggressive schedule.

The GK4 project is a great example of how collaboration between our group company's can offer full turnkey solutions to our customer.

We have the capability to offer fully assembled and tested complex assemblies allowing our customer to order products higher up the Bill of Material.

The Torus connection mechanism was manufactured by Express Engineering along with the connector body, flanges and machined forgings within the pipe fabrication.

QA Weld Tech then performed the precision fabrication to form the gooseneck and fabricated pipe structures working to extremely close tolerance to exceed customer specifications. Final assembly, test and thermal insulation were performed at Express Engineering before the consignment was shipped directly from the river Tyne to the Malaysia.



Our experience

The Art of Super Duplex

QA Weld Tech have a dedicated Super Duplex fabrication Facility to perform the complex fabrication of flow line products. This ensures that the final fabrication is free of cross contamination from carbon steels, ensuring the delivered product is of the highest quality.

Our skilled team have a wealth of experience in constructing complex Super Duplex flow line products. The Critical art of minimizing heat input within the welding process assists with the management of the parent material movement allowing close tolerances to be maintained across large complex structures, As well as avoiding damage to the micro structure.