

Expro Excellence

iTONG™ impresses the deepwater market by reducing connection make-up times by 50%

Well Construction | Tubular Running Services



Objectives and background

- A major operator in West Africa aimed to reduce Red Zone exposure and increase operational efficiency on their multi-well deepwater development campaign
- Recognizing Expro's capabilities in this field, the operator supported Expro's recommendations to deploy digital & automated technologies to help achieve their operational goals

Expro Excellence

- Expro rose to the challenge and deployed a suite of digital, automated and remote-control equipment that delivered on the promise of risk reduction and improved efficiency
- Of most notable success was the introduction of iTONG™ - the industry's most technologically advanced tubular make-up solution, enabling the operator to complete an entire connection makeup, including makeup validation, with the push of a single button
- iTONG™ markedly reduces operational risk by removing personnel from the Red Zone and assuring Connection Integrity using the AI-enabled iCAM™ - Connection Analyzed Make-Up System

Value to the client

- The deployment of iTONG™ reduced the client's net well construction cost as a result of the improved efficiency
- By reducing connection make-up times by 50%, iTONG™ saved an estimated 10 hours of Rig Time per completion, equating to an estimated 15 hours of Rig Time savings per month
- The AI-enabled technology of iCAM™ is an integral part of the iTONG™ system, removing the human element of graph acceptance, and continuously monitoring and optimizing the operation of the Power Tong in real-time
- Following the success, the customer is exploring opportunities for additional iTONG™ deployments throughout their global well operations
- iTONG™ has set a new standard in efficiency, safety and wellbore integrity for future operations

Safety



Reduction of rig time



The performance of the iTONG™ has exceeded our expectations. Not only have we seen a 50% reduction in make-up times, but the tong is also operated from the safety of the driller's cabin, and we are now exploring opportunities to reduce POB.

Client