CASE STUDY | TUR | OFFSHORE

OFFSHORE, MALAYSIA

BESPOKE CENTRALIZATION SOLUTION FOR OPERATOR IN MALAYSIA WITH MYGEO

Region: Asia Pacific

Country: Malaysia

THE CHALLENGE

A Malaysian operator required a bespoke centralizer With the support of local distributor and partner Mygeo, solution for a demanding well application, with specific Centek delivered a fully engineered solution through a performance requirements and no standard product rapid, integrated approach. Within days of initial available. The application involved running within an engagement, FEA simulations were underway for a 8.681” casing ID and into a 9.5” open hole, with new 0700-0912TUR, and a provisional specification was inclinations reaching up to 74°, requiring effective issued in just three days, enabling early alignment and centralization while maintaining positive hookload fast decision-making. throughout.

The challenge was not just technical, but time-critical—moving from concept to deployment in a matter of weeks while ensuring reliable downhole performance. Any delays or uncertainty could impact the operation, making speed, accuracy, and confidence essential.

THE SOLUTION

With the support of local distributor and partner MyGeo, Centek delivered a fully engineered solution through a rapid, integrated approach. Within days of initial engagement, FEA simulations were underway for a new 0700-0912TUR, and a provisional specification was issued in just three days, enabling early alignment and fast decision-making.

The final design incorporated one 0700-0912TUR per joint, used in combination with 0700–0812S centralizers to optimize standoff and running performance across both cased hole and open hole sections.

Performance modelling confirmed the suitability of this configuration for the well conditions.
The combination of TUR and S2 in the design allowed for reliable performance through the transition from cased hole to open hole, addressing both clearance constraints and wellbore geometry.

TUR UNDER-REAM CENTRALIZER

- Proven tool for under-reamed sections
- Dramatically reduced initial insertion forces into previous casing
- Reduces restart force on RIH
- Reduced running force and drag, saves rig time on RIH
- Non-welded smooth bow profile overall
- Integral bow design for increased strength and performance
- Zero weak points
- Minimum rotational torque losses
- Minimize stall out effect
- Enhanced rotation due to optimized centralization

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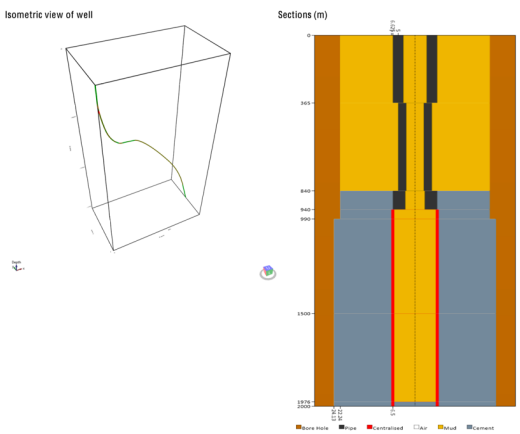
THE RESULT

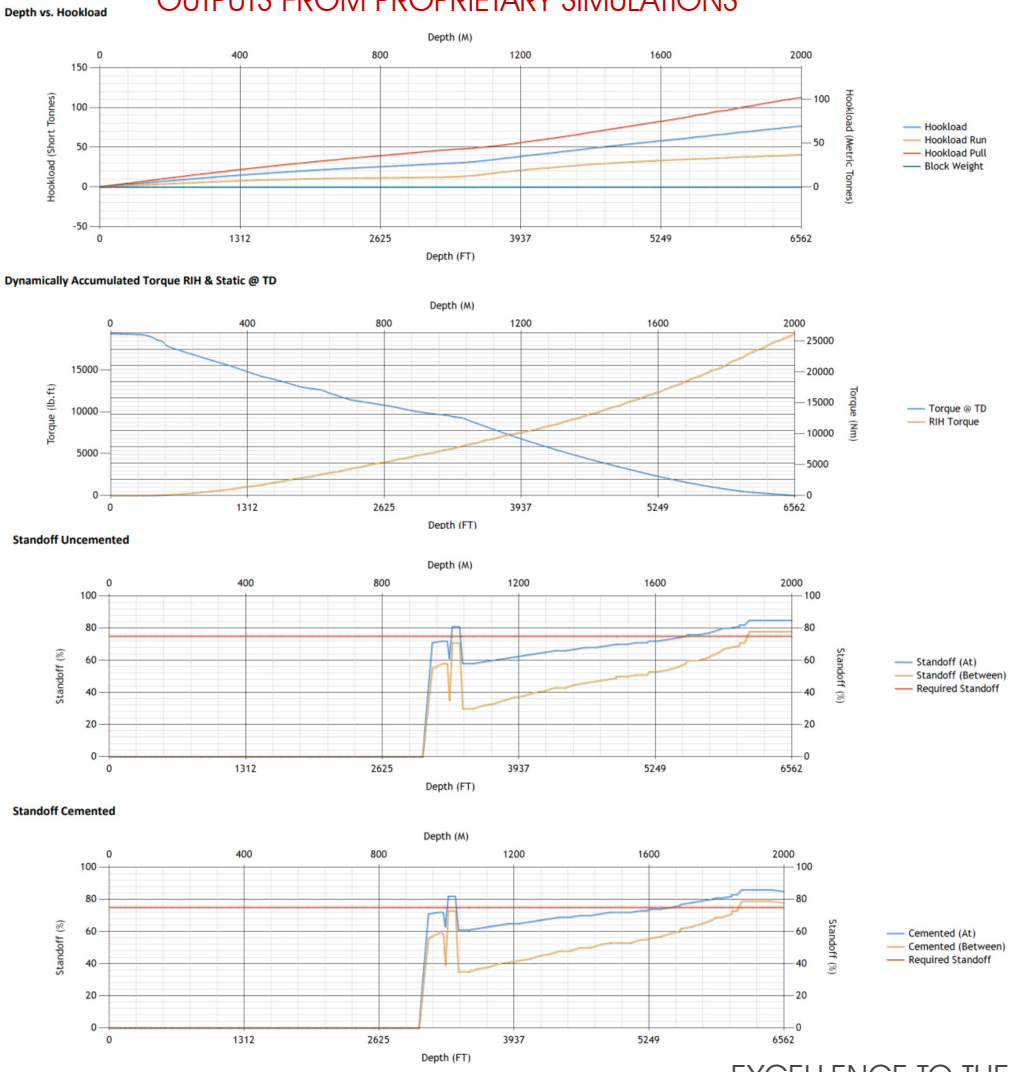
From initial request to deployment, the entire process was completed in under seven weeks, enabling the customer to stay on schedule without compromising performance. The casing string was successfully run in hole, demonstrating reliable performance in challenging conditions, including high inclination and mixed cased hole/open hole sections.

The selected configuration — featuring 0700-0912TUR centralizers at one per joint in combination with 0700–0812S — delivered the required standoff and running characteristics, supporting effective cement placement and overall well integrity.

The speed of delivery, combined with proven downhole performance, resulted in immediate customer confidence and a repeat order shortly after installation. This project highlights the value of partners who can respond quickly, reduce operational risk, and deliver a fit-for-purpose solution exactly when it's needed.



OUTPUTS FROM PROPRIETARY SIMULATIONS



EXCELLENCE TO THE CORE

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