

Tensor Elite MWD in Abu Dhabi - Case Study

The Challenge

A leading oilfield services company in the Middle East requested Black Diamond to introduce a robust MWD system into the Abu Dhabi market to meet the unique reliability challenges of the region. The system would deliver a viable alternative to the existing embedded MWD providers whose systems were not producing the quality results demanded by the national oil company.

The Solution

Black Diamond enabled the customer to successfully deploy the Tensor Elite Directional Gamma MWD system.

The Results

Black Diamond first delivered all equipment, tooling and spare parts required to enable the service company to manage deployment and service of the MWD systems.

The project then focused on the training of the service company personnel. Competence in maintenance and field operation were assured by way of e-learning, traditional schools and on-the-job training at both the workshop and rigsite.

Following the completion of four wells late in 2022 Tensor Elite MWD achieved successful qualification to ADNOC standards allowing full deployment of the system across all land-based operations.

Black Diamond and the service company then entered into a innovative long-term rental partnership. The service company continued to run and service the Tensor Elite systems while enjoying the assurance of full remote backing from the extensive Black Diamond support network.

Black Diamond reinforced their commitment to customer success through employee development by creating a bespoke competency management program for both field and workshop personnel.

The completion of multiple wells and over 2,000 circulating hours **without a single downhole failure** attributable to the tool served to highlight the reliability and dependability of the Tensor Elite MWD system.

As a result of the excellent results throughout the first year of the agreement, both parties have now extended and expanded the partnership with Black Diamond now providing multiple kits for deployment in the region.

Operational Data ¹				
Runs	Footage	Circulating Hours	BRT Hours	Failures
36	88,849	2,034	2,865	0

¹Data comprises qualification wells and first year of rental agreement

Black Diamond is a leading provider of energy services, with a team of experts dedicated to delivering the best possible outcomes for our clients. Our product offering includes drill pipe, drilling tools, MWD technology, and accompanying services, and we are committed to ensuring our clients' success in every project we undertake.

The Tensor Elite MWD system's proven design is compatible with collar diameters from 3 ½ in. to 9 ½ in. and operates at flow rates from 75 to 1,200 gpm. Industry leading sensors and electronics, coupled with a trusted mechanical architecture create an MWD system which delivers exceptional accuracy and reliability while minimizing the total cost of ownership.

The Black Diamond commitment to customer success is demonstrated by an exemplary support network encompassing market leading repair services, comprehensive training (both e-learning and hands-on), localized support teams, and a dedicated website delivering best in class support materials.

