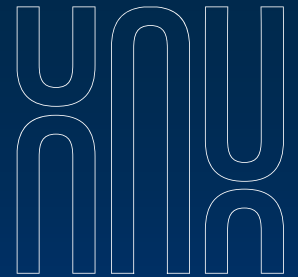


# CASE STUDY



## ACHIEVING A 25% PRODUCTION CAPACITY INCREASE BY HARNESSING ADVANCED DIGITAL SOLUTIONS

### CHALLENGE

How to maintain hydrocarbon production growth while balancing operational efficiency and integrity, HSE, and sustainability ambitions?

### SOLUTION

Digital solutions implemented onsite at ADNOC's Satah Al Razboot (SARB) offshore field allow the asset to be operated remotely from Zirku island, 20km away. SARB is located 120km northwest of Abu Dhabi, UAE.

Remote monitoring, smart well operations, and production management technologies are integrated at the remote-control center for optimized real-time decision-making. This has enabled the accelerated growth in field capacity with reduced costs and emissions. The field's digitalization will enable the deployment of additional AI solutions to further enhance and optimize operations.

Technologies deployed at SARB field include DrillRep and OptiDrill, developed by AIQ, among others. The tools process data from rigs and wells at the field, enhancing drilling efficiency and optimization. By utilizing daily drilling data reports and rig sensor data, AIQ's technology supports drilling operations with the necessary insights and actions to optimize the drilling process.



## CLIENT TESTIMONIAL

AI and digitalization are at the heart of ADNOC's smart growth strategy to help responsibly meet the world's growing energy demand. By deploying industry-leading technologies at SARB field, we have increased production capacity while enhancing the safety, sustainability, and efficiency of our operations, strengthening ADNOC's position as one of the world's lowest-cost and least carbon intensive energy producers

**Abdulmunim Saif Al Kindy**  
ADNOC Upstream Executive Director



## IMPACT



SARB field achieves 25% production capacity increase by harnessing advanced digital solutions.



Increased accuracy of reporting and reduced time required for Quality Control/Quality Assurance-related activities from DrillRep.



Improved drilling performance and reduced duration of well development through use of OptiDrill, using micro-KPIs and real-time alerting.