

CASE STUDY



FUTURE OF INDUSTRIAL HSE

AI-BASED OPERATIONAL SAFETY MONITORING

CHALLENGE

- The monitoring of industrial facilities with CCTV systems is widespread, though in many cases, it remains passive, without any real-time actionable intelligence being derived from the footage.
- Other challenges include hardware and infrastructural limitations, environmental conditions, operational uncertainties, and limited internet connectivity

SOLUTION

SMARTi is an Intelligent Operational Safety Monitoring solution utilizing AI algorithms to analyze video streams in real-time, performing over 1 billion predictions a day and enabling rapid detection and classification of safety behavior, incidents, and hazardous situations. The solution can be seamlessly integrated into existing CCTV platforms to improve safety on vessels.

KEY FEATURES



AI-powered
analysis



Remote
deployment



Edge
computing



Historical
data analysis



Oversight of a broad
range of violation types



CLIENT TESTIMONIAL

The deployment of AIQ's SMARTi technology on our ships demonstrates our commitment to 100% HSE, as we continue to invest in innovation to optimize our operations and drive further value for our business and customers. ADNOC L&S is committed to deploying cutting-edge AI-based technologies across our entire business, ensuring our vessels are a safe environment for our people

Captain Abdulkareem Al Masabi
CEO of ADNOC L&S



IMPACT

- SMARTi Intelligent Operational Safety Monitoring solution successfully deployed on board 86 ADNOC L&S vessels.
- Solution has 90%+ accuracy of detecting violations, with less than two-second reaction time from violation to alerting.
- SMARTi application is being developed to extend to additional industrial scenarios such as rigs and facilities.

