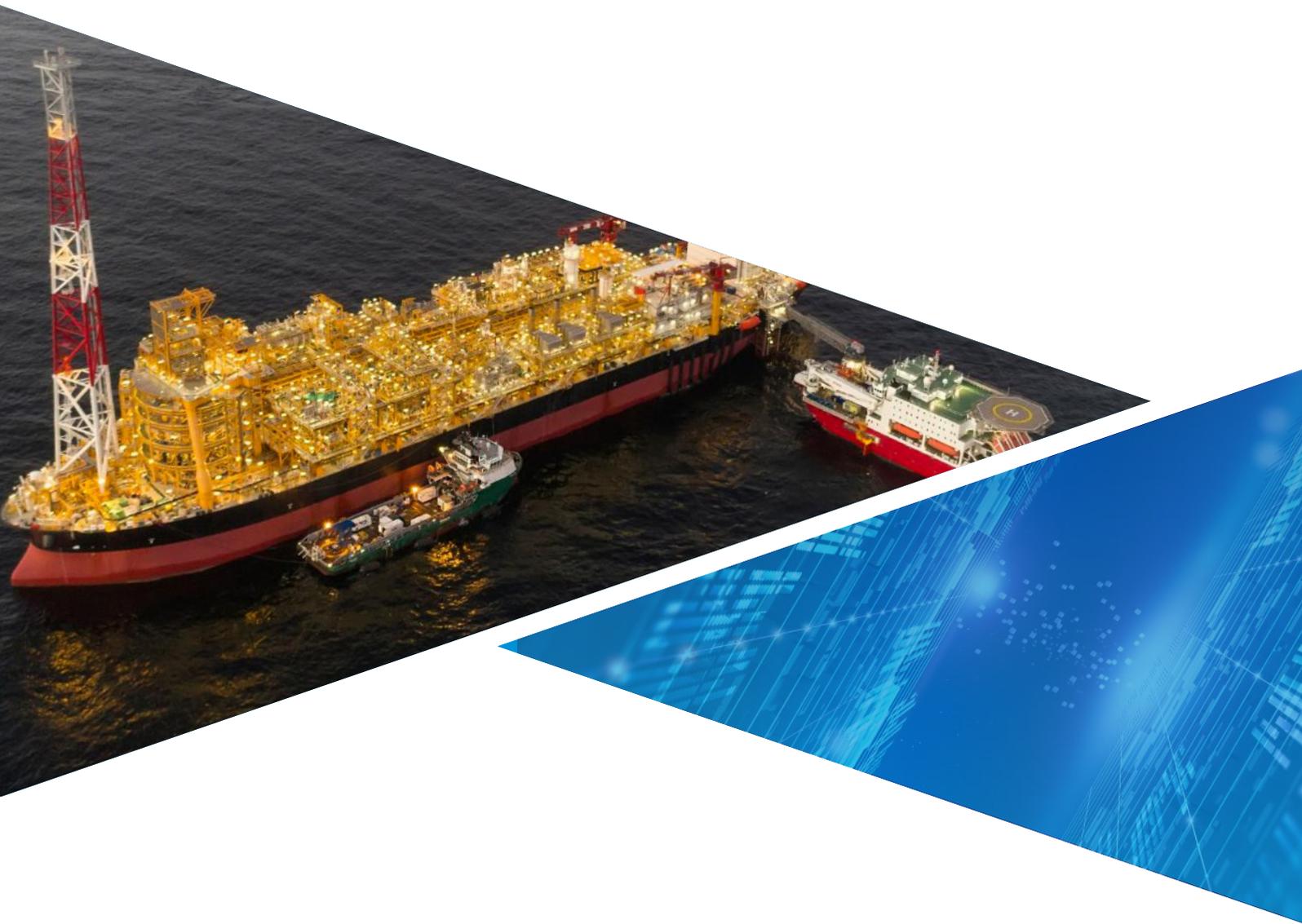


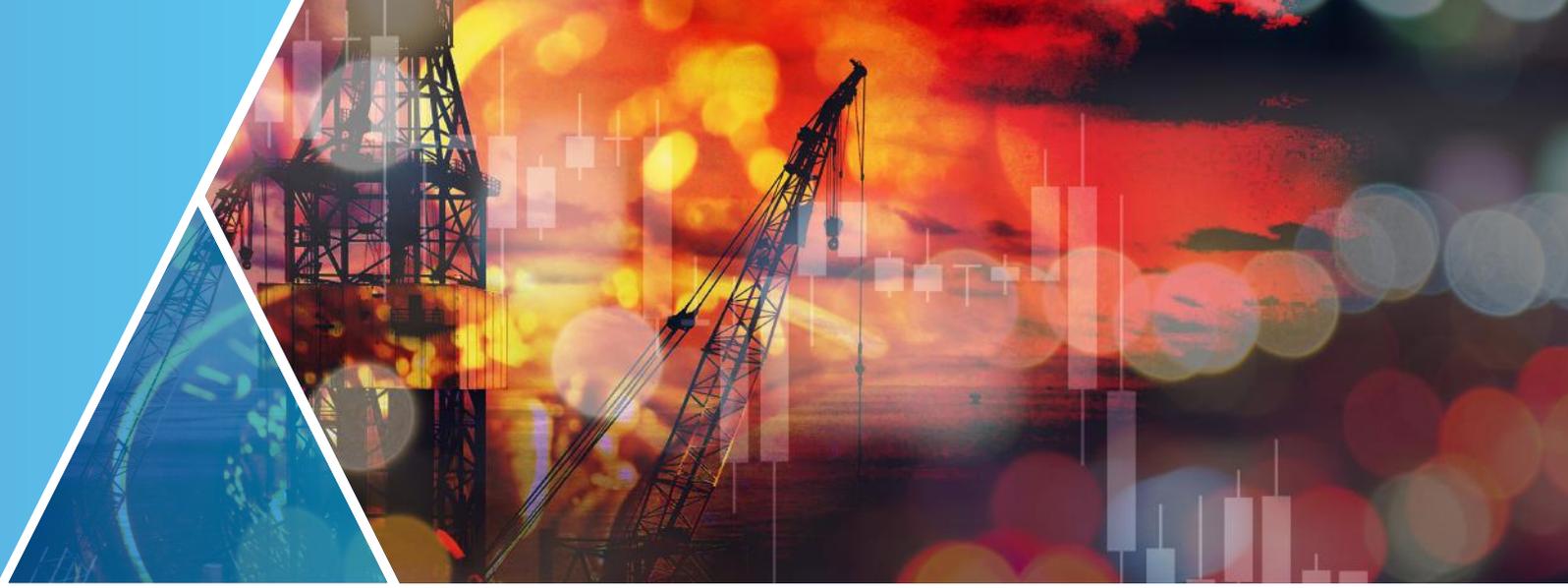
# DRON & DICKSON

## DIGITALISED EX MAINTENANCE

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Case Study





Dron & Dickson's highly experienced Project Managers and Electrical Technicians provide an integrated digitalised maintenance service for hazardous area electrical equipment.

#### The Background

An offshore production facility had a requirement to compile an up-to-date and accurate Ex equipment register. In order to remain compliant they also required the associated compulsory inspections to be completed.

Due to our extensive experience inspecting and maintaining hazardous area equipment utilising digital inspection software, Dron & Dickson were approached to provide a solution.

#### The Project

The existing partial Ex register was imported to the Dron & Dickson digital system which was then used to plan, conduct, report and close out inspection activities and to build the hazardous area verification dossier.

- All tasks were downloaded to handheld tablets where the inspections were recorded and uploaded back to the database for immediate analysis and creation of further actions.
- RFID tags were installed and associated at the time of inspection to aid future equipment identification.
- The new database facilitated live consistent data and intelligent reporting allowing immediate fact-based analysis and subsequent decision making.

#### The Result

Compared to a similar concurrent project where the client elected to take a 'paper-based' Ex inspection approach, several benefits were obtained:

- No 'multiple handling' of inspection records to transcribe from 'site form' to Excel
- Savings in labour resource cost for manual data handling
- Savings in data recording time during repeat or ongoing inspections

22 minutes per item of equipment were saved. At approximately 12,000 items inspected this equated to a saving of at least 600 man-days. Using an average day cost across the roles of Inspector, Data Inputter and Engineer, a total estimated saving of £180,000 was made by implementing the digitalised Ex maintenance system.



For more information please visit our website:  
[drondickson.com](http://drondickson.com)

#### Dron & Dickson Technician



#### Windows Handheld Device



#### Android Handheld Device

