

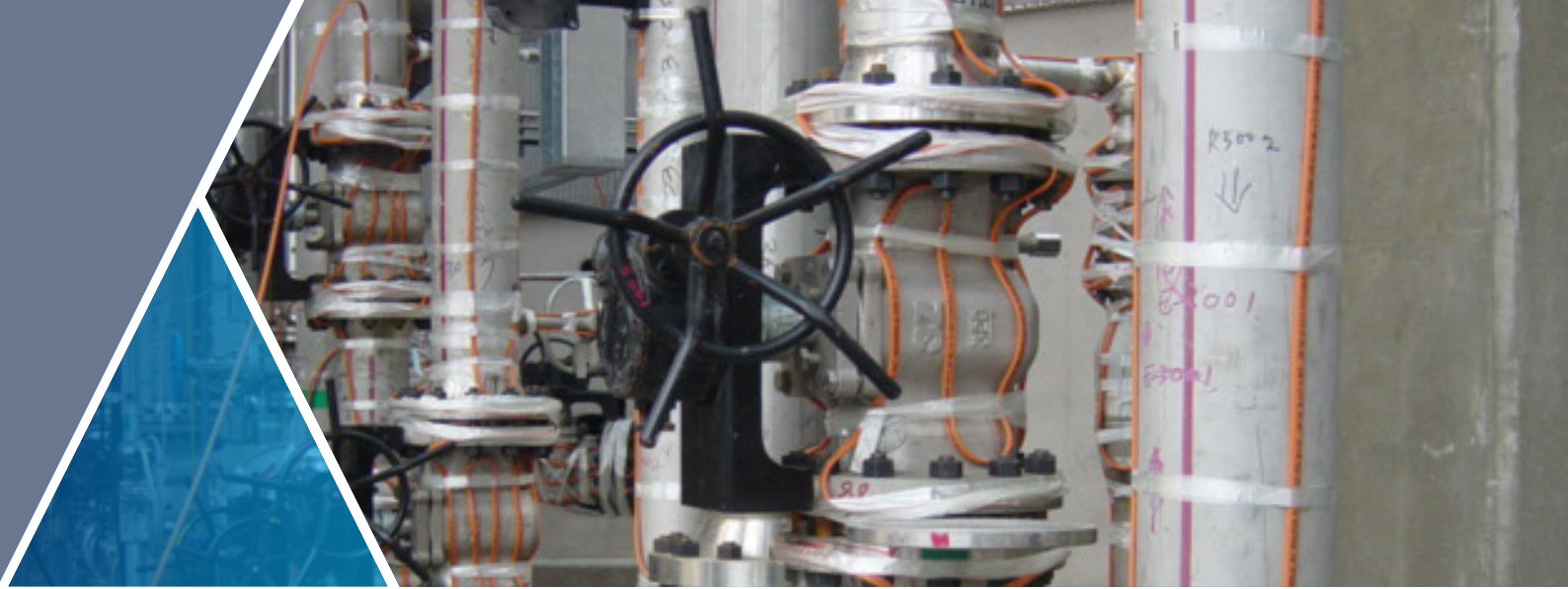
# DRON & DICKSON

## TRACE HEATING SYSTEM UPGRADE

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Case Study





Dron & Dickson's highly experienced Electrical Engineers provide a complete end-to-end assessment, design, material supply and replacement service for ageing trace heating equipment.

#### The Background

A North Sea operator contacted Dron & Dickson with an urgent request for assistance following an unplanned outage due to major Corrosion Under Insulation (CUI) issues on an FPSO. The existing trace heating system was almost 20 years old. A speedy resolution was required to install a fully functional, compliant and fit-for-purpose system, limiting production downtime.

#### The Project

Dron & Dickson immediately mobilised a survey team who identified significant trace heating system issues. Based on the findings a strategy was devised in conjunction with the client with a focus on start-up critical lines (SUC) as well as other areas of concern including corroded junction boxes.

- Up to date circuit documentation was unavailable. Further inspections of the SUC were required, and subsequently redesigned.
- For time efficiency a comprehensive BOM was produced, signed off and procured ahead of the project commencing to make sure all required materials were on site. Dron & Dickson's experience and buying power meant these materials were sourced at preferable rates.
- Dron & Dickson worked with the client to review manufacturers and streamline the tape types used from 18 to 4.
- Dron & Dickson provided all resources, including Rope Access competent personnel to ensure completion of the project.

#### The Result

Over 3,000 meters of trace heating was surveyed, designed, installed and commissioned. All SUC lines, tapes and junction boxes were replaced. In advance of the winter months, the FPSO was successfully returned to production avoiding immeasurable financial and HSE implications.

#### Before



#### After

