

## Marathon Braemer Tie-In



safety solutions

oil & gas

pharmaceutical

nuclear

power & utilities

### Background

The Marathon East Brae Oil & Gas platform in the UK North Sea had a Serck Control and Safety Esd system installed and commissioned in the early 1990s.

In 2003, an extension to the platform's production facilities was engineered to allow process fluids from Braemar field to be handled. As part of the Braemar Tie-In project, a new safety system was required and SCS were again the chosen supplier.

### System Description

The system supplied for the Braemar Tie-In project and that already installed on site used SCS SIRA accredited pulse testable modules.

These systems include startup overrides which are cancelled on the expiry of a timer or after process stability has been reached.

Tiled mimic panels were included with both the original system and the Braemar Tie-In. The mimic panels display the process status and permit start up and maintenance overrides to be applied.

High level trips can be asserted manually from the mimic panel using suitable switches.

The equipment provides serial communications to a number of host devices including an HMI developed by SCS to track data from the safety system.

This HMI records time stamped events to 10ms and provides remote diagnostic capability.

### Why Serck Controls?

Serck Control and Safety equipment had been successfully used on the platform for over a decade. SCS were able to meet the time scales demanded by the customer.

### Product Used

Serck Control and Safety ES range of purpose designed, pulse testable, hardwired safety modules.

### System Size

A two bay cabinet housed the safety system which handles 62 I/O and provides 2 Serial Outputs.

### Benefits

- Competitive
- Proven Technology
- High Reliability Availability Safety System
- Self Diagnostics
- Life Cycle Support



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