

## Preventative Maintenance Review on Forties Alpha Platform



### Client:

Apache

### Location:

Forties Alpha platform

### Project Background

Proserv has a longstanding relationship with the Forties Alpha platform, having supplied two Master Control Stations (MCS): the Bacchus MCS in 2011 and the Aviat MCS in 2015. Both units are vital to the platform's control infrastructure and are located within the gas turbine area.

To safeguard ongoing performance and reliability, Proserv was engaged to carry out a Preventative Maintenance Review (PMR) under live operating conditions.

The challenge was clear: complete all essential maintenance activities without disrupting production. A tailored maintenance strategy and detailed procedures were developed to ensure safe and effective delivery.



Bacchus MCS being built



Aviat MCS

### Why Proserv?

Proserv was the natural partner for this work, having designed and installed the original MCS units. Our intimate knowledge of the systems, combined with a responsive, safety-focused approach, allowed us to deliver with precision under strict operational constraints.

Our engineering team's expertise across both hardware and software ensured effective planning and execution, minimising risk and maximising efficiency while maintaining full production.

### Scope of Work

As part of the PMR, Proserv performed a series of detailed inspections and verifications, including:

- Visual inspection of both MCS units and internal components
- Full software backups
- Verification of AC and DC voltages and current levels
- Examination of Protective Earth (PE) and Instrument Earth (IE) systems
- Monitoring and verification of line insulation resistance on channels A and B
- Insoection of cooling fan performance and filter element condition

### Outcome & Future Readiness

By carrying out this PMR under live operating conditions, Proserv helped the client:

- Maintain full operational continuity
- Reinforce the health and reliability of two critical control systems
- Reduce the risk of future failures and unplanned downtime
- Extend the life and performance of installed equipment

This review is part of Proserv's wider commitment to supporting clients with life-of-field services and long-term asset reliability, ensuring critical systems continue to perform safely and effectively well into the future.