

Case study: UK Aviation Company

Introduction

Rockall Safety, a leading provider of gas detection solutions, has significantly improved laboratory safety for a company developing the world's first, zero emissions engine for commercial aviation. They aim to have a 9–19-seater aircraft capable of doing 300 miles by the end of 2025 and a 40-80 seater aircraft capable of doing 700 miles by 2027.

The system integrates Honeywell oxygen depletion sensors, OLTC Hydrogen detectors and flame detectors. These are controlled by the Teledyne MX43 control panel.



Our solution

In January 2024, Rockall Safety installed and connected the SMS Cloud Interface, enabling real-time monitoring and instantaneous alerts. From February 2024, shut-off valves were integrated into the external gas supply system, connecting them to the existing room control panel. This enhancement allows for the emergency shut-off of Nitrogen and Hydrogen. Within the same month, Rockall Safety took over servicing responsibilities.

- The gas detection system effectively identifies Nitrogen and Hydrogen leaks and detects flames within the laboratory environment.
- The SMS service promptly sends alerts to lab users, enabling swift action even when they are not on-site. This feature is particularly valuable during unmanned test processes that run 24/7.
- The SMS cloud system facilitates immediate access to critical information, enabling rapid responses and issue resolution without delays.



“The company is very responsive – usually I get quick replies on my emails.”

Spokesperson

UK Aviation Company