

## Case Study: Rail Vehicle Paint Facility

**Project:** Spraybooth modifications

**Client:** Global aerospace and transportation company

**Project Brief:** To upgrade facilities for energy saving and reliability

The client has a number of aging paint spraybooths which have become unreliable and inefficient in terms of energy usage and breakdowns. The project was to install a complete new air handling plant system, ductwork and controls.

The plant now has a state of the art controls system with variable speed drives on fan motors, data logging for temperature and humidity, touch screen HMI for booth adjustments and monitoring. Cycle times can be varied on a menu screen and the modulating burners will accurately maintain temperature stability whilst providing the benefit of savings in gas consumption.

### Plant Features:

- Energy efficiency
- Reliability
- Data Logging

The project has fulfilled all of the required criteria, saving energy, reducing cycle times, providing full availability and uptime in a simple to operate and intuitive package.



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