

## CASE STUDY

# Maziaks' Largest Ever Installation

### The Challenge

At Rohm & Haas (UK) Ltd in Jarrow, Newcastle upon Tyne, Maziaks successfully partnered Parker domnick hunter to deliver their largest ever nitrogen generator installation in Europe.

(R&H), a speciality materials manufacturer were reducing the size of their site and needed to upgrade all of their utilities installations to suit the new requirements.

### Maziaks' Solution

Maziaks' proposal not only met the strict tender specification but also offered technical innovation, energy reduction and cost saving solutions which went way beyond initial expectations.

At the outset, R&H were planning to retain separate providers for compressed air purification and nitrogen generation respectively. However, we proposed to supply the

complete package with the support and partnership of Parker domnick hunter, specialists of proven nitrogen gas generator systems.

The installation comprised of three 160kW Oil Free variable speed rotary screw air compressors, dewpoint controlled heated desiccant dryers for instrument air quality, and a cost effective, energy efficient Parker domnick hunter MAXIGAS nitrogen gas generator system with an exceptionally low lifecycle ownership cost.

The whole installation is controlled by telemetry provided by EnergAir. This sequences the use of compressors and nitrogen generator banks, collects alarms and data from all plant and pipework and displays real time system status on a local PC. All this information is also relayed back to our head office in Wellingborough for monitoring and fast responses to issues.

### Results

This enabled R&H to exit an expensive nitrogen gas supplier contract and bundle it with the compressed air package in one very cost effective 10 year contract lease plan.

Added to that, the ability to transparently and constantly measure the system performance has already led to an improvement in energy savings since installation.



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