

## CASE STUDY

# Self Contained Compressor System with Minimal Install Time

### The Challenge

This major company serves customers in industrial, energy, technology and healthcare markets worldwide with a unique portfolio of atmospheric, process and specialty gases, performance materials, equipment and services.

They required a standalone compressed air system to drive their decanting system at one of their power stations. This needed to be self-contained with all electrical requirements, cold weather protection and ducting.

Having worked for many years with HPC for their air compressor needs in the UK, this project was ideally suited to Maziaks, as an HPC authorised distributor and with the experience of delivering an innovative compressed air system solution, perfect for their needs—the AIRBOX.

### Maziaks' Solution

The Airbox design was originally developed for a UK-wide landfill company. They required an all weather compressor package that could run unmanned 365 days per year in the warmest, coldest and dustiest environments. They also needed the flexibility to move the location of the system as quickly and simply as possible.

### Results

The end result was a complete system that delivered a constant compressed air quality to the standard of **ISO8573-1:2010 Class 2-2-1**, 24hrs a day / 7 days a week.

For the customer, the key benefits of the Airbox solution are its standalone nature (with no planning permission required) and the fact that it can be constructed offsite with minimal disruption and installation time at the client's site.

Subject to site requirements, an Airbox can include:-

- Choice of compressor, nitrogen generator or multiples of each.
- Choice of compressed air dryer equipment.
- Full electrical distribution board with three and single phase points.
- Thermostat controlled heating.
- Thermostat controlled hot air extraction.
- Hot air ducting from the compressor outlet.
- Filtered air intakes into the package.
- Full lighting.
- Fully secured galvanized steel container which can be colour coded to your facility's requirements.

This Airbox was constructed at our Maziaks' works and electrically tested and certified prior to delivery. It was then delivered direct to site and unloaded onto a pre-prepared solid oncrete base and mechanically and electrically connected to site services.

Site work took less than 1 day and caused minimal disruption with no need for involvement from any other contractors.



The Airbox being built on Maziaks' premises



Neat and compact Airbox

### Contact

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