

CASE STUDY

Mobile plant room creates space and flexibility before factory relocation

Project Overview

Design, supply and install of a new mobile compressed air system inside a repurposed shipping container, all completed in house by PPS.

Two new GA55VSD+ Pack compressors, one FX200 refrigerant dryer, UD220+ filter, 500L air receiver were fitted inside the container with a further 1000L receiver inside the factory along with condensate treatment and auto drain.

The container was installed out of hours and commissioned alongside their existing system to prevent production downtime.

What was needed:

The customer was previously using a long term hire compressor, supplied by PPS.

As part of an internal review, the customer identified that their compressed air system was due for replacement, so PPS were invited to tender for the work.

With the customer due to move site in the next few years a mobile option was the most cost effective solution, it also meant they would recover internal factory floor space prior to the move.

What we did:

After discussing the specification at length with the customer, PPS designed a mobile compressor room adequately sized for their air demand.

The layout was designed to fit inside a 40ft shipping container complete with plywood floor, fire door with panic bar and custom paintwork.

It was designed in AutoCAD and supplied with pipework, louvers, extractor fan, space heater to protect against freezing, lights, electrical distribution boards and isolators.

The system was installed alongside their existing system to minimise disruption and the final change over took place out of hours. Following installation, the equipment is covered by a 7 year service agreement and the customer is enjoying remote monitoring and energy management through a Smartlink Energy license.



Collection of the mobile plant room for delivery. At the PPS head office in Brighouse

Key benefits:



The new system has improved reliability and performance by replacing legacy equipment



The duty and standby compressors provide constant air during servicing or in the event of breakdown



The mobile compressor house was designed to suit the customer's budget and specification



PPS have taken the project from concept to reality and continue to support our customer through on going maintenance



The customer has Smartlink external monitoring which provides status information 24/7/365 via email and text message alerts



A containerised solution is custom built to your requirements, opens up valuable space on the factory floor and is future proofed for any relocation.

Away from the factory floor the environment inside the container can be carefully managed to keep plant equipment working in the optimum conditions and running efficiently.

