

Modular Enclosure for Manufacturing Test Chambers

Case Study

Application: Create two test chambers to protect products and personnel from the factory environment

Products:

- ✓ OmniFlex with Steel Fire and Sound Panels
- ✓ Accessible Roof-Mounted HVAC Unit

Benefits:

- ✓ Adhered to the strict safety requirements of the customer by providing reinforced walls, roof and Lexan glass
- ✓ Matched the European custom color requirements by the client
- ✓ PE-stamped drawings
- ✓ Provided fast and clean installation allowing for continued production and minimized down time
- ✓ Provided the ability to relocate or modify as business evolves



The Situation

GKN Automotive needed a custom-built solution for their new warehouse test chambers which needed to meet specific safety guidelines and required a custom paint job for aesthetic reasons.



The Solution

The customer was considering conventional construction versus modular construction. With PortaFab's modular solution, we engineered two test chambers with the PortaFab OmniFlex Steel Fire and Sound panels. These panels allowed for reduced sound within the test chambers and were also certified to meet the suggested safety standards that were required of the project.



The Solution

Along with the benefits of the panels, the test chambers were installed with no disruption to daily warehouse operations, were built in a clean and timely fashion, and PortaFab was able to custom create the desired paint color required by the customer to fit their global branding standards. PortaFab's modular solution met all the customers requirements, while also saving time and money for the overall project.