

PORTAFAB

CASE STUDY

2-Story Inplant Building

Location: Dallas, TX

Application: Office Space & Product Testing

Product: Omniflex Fire & Sound Panels - Gray

Benefits Provided:

- Low mess install - No disruption to the surrounding environment or threats to product quality.
- Maximized space with 2-story building design.
- Flexibility of relocation in the future if needed.



THE SITUATION

An aircraft seating manufacturer in Dallas, TX ran out of space within their existing facility due to excessive company growth. Their facility engineering group had relocated to a temporary remote location in order to conduct operations and testing while our client considered options for housing their extra staff.

As expected, costs were a major factor while considering physical expansion and constructing a second building would be expensive. Additionally, the current facility's owner would not provide compensation for new construction within our client's warehouse.

THE EVALUATION

Instead of constructing an entirely new building to house their engineering group, our client opted for modular construction due to the high level of cleanliness during the installation, as well as the inherent flexibility with prefabricated building components. A modular building could be relocated and reinstalled in the future if needed, allowing our client to take the building with them if they desired. This helped to affirm the costs associated with expanding their current location, since our client would be paying for the cost of construction, without any funding from the owner of their facility. As a high-end aircraft seating manufacturer, the overall cleanliness of the construction and installation was a major factor in their decision. Since pre-fabricated components can be installed cleaner than conventional construction, without disturbing the surrounding facility, it made sense to utilize modular components for this project.

THE SOLUTION

Our client decided to maximize the available floor space within their existing warehouse by installing a 2-story inplant building. The 9-foot high upper level housed offices and desks for their engineering group, while the 10-foot high lower level provided an area for testing and evaluation. Expanding vertically allowed our client to house their entire engineering department, while conserving the lateral footprint of construction within their already limited space. This decision allowed our client to work on site as opposed to a separate location, saving the time and costs associated with traveling between two separate buildings.



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