

Hot Aisle Containment CASE STUDY

The One Hour (Almost) HAC Installation

Project Background

Sabey selected Polargy to provide and install the Flat-Pack Hot Aisle Containment system for its construction of a new data center in Ashburn. Sabey sought a partner that possessed design and more efficient installation capabilities. Polargy prefabricated the Flat-Pack system offsite prior to installation as much as possible so that the final assembly was quick and cost-effective. Polargy proved a four man team can do it in a little over an hour. In the pursuit of speed and cost, we are radically changing the way data centers are built.



Flat-Pack demo shows Sabey's commitment to speed in tenant fit outs

Unique Design Benefits

- Installs in a fraction of the time that a traditional system takes
- Reduced cost and improved quality
- Solves the complexity of building new data centers

Product Details

- A typical 30' long x 4' wide x 4' tall system weighs less than 200 lbs.
- ASTM E84 Class A rated panels
- Options for sliding access windows
- Light weight structural panels

Installation Process

- Construction of prefabricated panels
- Structural panels snap together on the floor
- Panels are then lifted into place over threaded rod supports

About Polargy

Polargy designs and manufactures airflow and room partitions including aisle containment, structural ceilings, modular walls and independent floor structures. These solutions have been engineered to achieve simplicity, low cost and quick field installation. Founded in 2008, Polargy has been designing, manufacturing and installing complete turnkey data center airflow and room solutions for almost a decade.

About Sabey

With more than 40 years experience and three million square feet of mission critical space, Sabey Data Centers is one of the most experienced and largest privately owned multi-tenant data center owner/developer/operators in the United States. Sabey Data Centers offers an integrated, customer-centered focus to design and construction through to commissioning and operations.

