

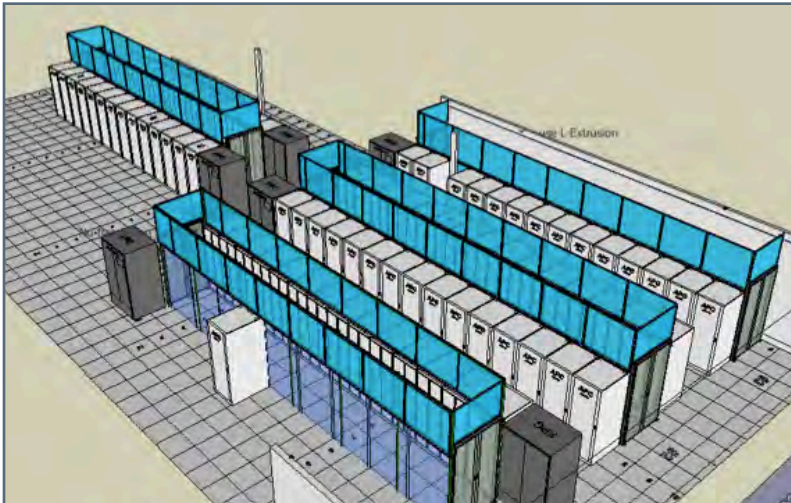
Carlson and Polargy Case Study

Hot Aisle Containment for New Power Utility Data Center

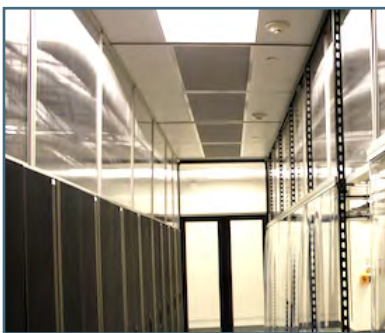
Carlson
consulting.design.construction

Project Background

Carlson Design Construct selected Polargy to provide and install the Hot Aisle Containment system for its construction of a new data center in Nevada. Carlson sought a partner that possessed experience in large projects. Polargy created designs for each aisle, prepared detailed shop drawings, and installed the system.



Shop Drawings of Hot Aisles



Free Standing Wall



Panel and F-Bracket

Client	Confidential
Consultant	PlanNet
Location	Las Vegas, NV
White Space	5,000 square feet
Completion Date	2011

"...Polargy got the job done on time and on budget..."

*Tim Tribble
Project Manager*

Unique Design Challenges

- Sloping Floor with 4" Drop Across 40'
- Aisle End RPPs
- Free Standing, Rack Independent Wall
- Cable Trays Proximity to Vertical Panels

Hot Aisle Containment Design

- Free Cooling with Air Side Economizer, Slab Floor, and Hot Aisle Containment
- PolarPlex Standard Panels Attached to Racks with Special F-Bracket
- Swing Doors
- Free Standing Wall Supported with Unistrut
- Temporary Curtain Panels for Row with Legacy Equipment
- Panel Cutouts for Cross Aisle Trays

About Polargy

Polargy is the leading hot and cold aisle containment manufacturer and contractor. Polargy's informed designs, intuitive line of products and experienced installers ensure on schedule and on budget delivery.

About Carlson

Carlson provides Data Center Design Build services and has constructed mission-critical facilities for some of the world's most prestigious companies. Projects range from greenfield sites to upgrades of active facilities.