



# POLARGY

We Keep The Cloud Cool™

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## #1 Containment Contractor

Since 2007 Polargy has been the leading manufacturer of hot and cold aisle containment solutions for new data center construction and retrofits, delivering turnkey projects with innovative solutions and expert services.

**Polargy is the provider of choice for world-class mission critical facilities owners and operators.**

Polargy's precision specifications and expert trade support reassure new construction managers they'll finish on time and on budget, and ensure thermal safety and rapid ROI for retrofit projects. Polargy containment is deployed by the most demanding mission critical customers including Facebook, Verizon, Pixar Animation, Barclays and Dell. Data center architects, engineers, contractors, partners and owners are well supported with downloadable design files, system specifications, technical data sheets, installation guides, brochures and instructional videos.



## Turnkey Projects

Polargy specializes in turnkey containment projects with a focus on helping clients define and achieve successful outcomes. We handle all aspects of deploying containment into a new or existing site to ensure projects are completed on time and on budget. Polargy follows a documented project process and resources each project with a dedicated Project Manager

ensuring that financial and operating objectives are met and projects run smoothly. From standard designs to fully custom configurations, from rack systems to comprehensive modular infrastructure, Polargy offers top-quality products, design expertise and installation experience to get your data center online on plan.



## Innovative Solutions

Drawing on years of experience serving top mission critical operators, Polargy has deep insight into all aspects of data center infrastructure and has developed ingenious solutions to common and costly problems. Modular white space infrastructure, rapid-deployment prefabricated containment, tool-less containment installation and low-cost fire-safe air dam foam are just a

few Polargy inventions raising the bar in data center containment. Start your data center infrastructure project right, with Polargy on your team, to reach the finish line on time and on budget with informed designs, smart solutions, technical resources, expert consultation and installation support.



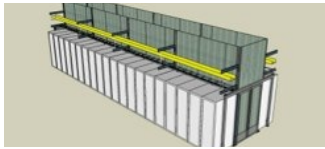
## Expert Services

Polargy offers expert design services for hot and cold aisle containment projects of any size. For new construction, Polargy creates shop drawings from architectural drawings in CAD and prepares record drawings after installation. We also offer design support, where we assist architects and engineers in the development of a final project design. Since containment is

typically the last thing installed in a new data center, Polargy's deep and varied experience and competency saves time and prevents rework. For retrofits with less specific documentation requirements Polargy prepares basic design documents from layout drawings and field measurements.

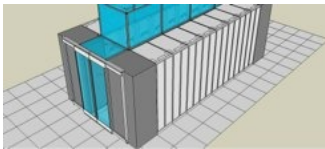
**Start with Polargy. Finish on plan.**

**[www.polargy.com](http://www.polargy.com)**



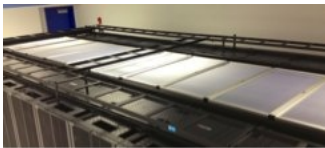
## Modular Floor Mounted Infrastructure

Complete modular data centers are gaining market traction, but what's new is modularizing the white space infrastructure based on a containment framework or chassis. We call our modular containment chassis Floor Mounted Infrastructure (FMI™). It brings together key infrastructure components of containment, cable pathways, power bus-ways and lighting into a single modular freestanding system. FMI allows owners to add capacity in phases, whether at initial construction, after commissioning or in response to demand. This modular approach provides a rack- and ceiling-independent solution that speeds deployment, paces investment and minimizes containment disruption and rework.



## Prefabricated Containment Systems

Polargy is changing the way containment is deployed during new construction to bring relief to build schedules and budgets. Polargy's prefabricated, flat-pack containment system is a smarter way to build because it installs in half the time of traditional stick built systems and costs about one third less. With the notion that containment is the project's last phase, speeding its installation gives tremendous advantage to meeting schedules. And, by moving assembly steps into the factory and out of the field, costs are saved and quality is improved.



## Vertical & Horizontal Containment Panels

Polargy's PolarPlex™ vertical panels are available in cabinet supported or ceiling supported models and can be customized to fit any application. Made of anodized aluminum framing with fire-safe inserts, PolarPlex containment panels are lightweight, cost effective and easy to install. UL-listed for use below sprinkler heads, PolarPlex horizontal drop-away panels solve the "sprinkler head obstruction" problem. Anodized aluminum frames with frosted or clear heat-sensitive inserts engineered to drop away in the event of fire allow fire suppression systems to operate normally.



## Swing & Sliding Aisle-End Doors

Easy open, smooth glide, no threshold, auto-close, and hold-open are features of Polargy's PolarPlex sliding and swing aisle end doors that attach to any brand of server rack. The 54" wide PolarPlex P2 dual sliding door solves the problem of sizing a containment door for varying aisle widths and rack heights and covers most "4 foot aisles". With side extender panels, the aisle width coverage expands to 8 feet. Polargy's PolarPlex P2 swing door is a sturdy, lightweight and economical aisle end containment solution. Door inserts are twin-wall polycarbonate panels that allow light in while keeping weight down. Door frames are made with strong tube steel and fit standard 42U racks and 48" aisles.



## Server Racks & Airflow Accessories

PolarRack™ XG server racks are frugal with kilowatts and let cool air flow freely to server intakes but prevent air bypass inside the cabinet. Designed with square corners and a flat top, adding containment is quick and easy. PolarDam™ fire-safe air dam foam meets UL-94-HF-1 rating and is the best kept secret for sealing cable cutouts and other raised floor openings to prevent cold air bypass. It is self-forming foam that seals any opening, blocking cold air from escaping and mixing with hot air. It fills large and small air gaps quickly and easily without tools for a fraction of the cost of brush grommets. PolarFlex™ 42U blanking panels seal empty racks and large un-occupied spaces in server cabinets and are an easy and cost-effective alternative to hundreds of individual blanking panels. PolarFlex panels are made of fire-rated Lexan film printed with server images to give the appearance of a full racks, and are easily cut with scissors when a partial panel is all you need. PolarBlock™ air dam skirts and barriers prevent bypass air below, above and between racks and other equipment.