



DATA CENTER BUILD-OUT

WHAT EXACTLY IS A DATA CENTER? • At its most basic, a Data Center is a physical place that houses a computer network's most critical systems. It's a centralized repository for the storage, management, and dissemination of data and information organized around a particular body of knowledge or pertaining to a particular business.

We're talking about very large amounts of data stored in a large number of computers; so a Data Center is a computer system's most important and vulnerable component. Therefore, a Data Center must keep high standards for assuring the integrity and functionality of its hosted computer environment. This is depicted in its physical and logical layout.

WHERE DOES PCC FIT INTO THE EQUATION? • When it comes to building out a Data Center, you need a contractor who understands structured cabling and Data Center infrastructure needs. A contractor that works in concert with its partners to create a cost-efficient, high-performance, clean, well-organized Data Center environment. Data Centers are unique; involving high-density connectivity in a relatively small space. The monetary value of what is stored in a Data Center is extraordinary; therefore the proper build-out of a Data Center is essential. There are many aspects to properly and efficiently building out a Data Center, and some of those involve:



- Placement, Installation, and Mounting of Cabinets, Racks, and Cable Tray
- Network Cabling & Cable Management
- Airflow Management
- Bonding & Grounding
- Defined Naming Conventions & Labeling Schemes
- Connectivity Matrix Documentation

THE SAVINGS CAN REALLY ADD UP • PCC works closely with Chatsworth Products, Inc. (CPI) and other infrastructure partners to implement Passive Cooling® Solutions that allow you to maximize your cooling efficiencies without the need for additional CRAC units, in-row air conditioners or risky liquid cooling solutions. Not only will you save a bundle on cooling costs (up to 90%!), but you can save up to 40% on total data center energy costs. The ROI is phenomenal!



PCC Network Solutions
Design. Build. Deliver.

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