



# 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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