BLACK BOX®

SOLUTION INTEGRATORS

Global Data Center Services Capabilities
Best-in-Class Managed IT Services

OBJECTIVE:

A global Data Center Services client needed hyperscale DCs to support their strategic plans and enable applications and services to billions of people worldwide. Black Box provided a holistic suite of services, including recruiting, training, and retaining talent, to construct and maintain multiple global DCs to the highest standards in the industry. DCs include more than 20,000 server cabinets and enough fiber cabling to stretch from California to Sweden.

As a preferred data center partner, Black Box has been continually entrusted with new data center build-outs. The client's complex requirements include aggressive go-live deadlines with the highest quality standards in the industry while continuing to operate and maintain the client's production environments, which carry massive traffic throughout the world.

KEY STATISTICS:

- 550,000 [m] Inside cabling
- 200,000 [m] Outside cabling
- 400,000 Interconnect assembles
- 320,000 [m] Outside inner ducts
- 48,000 [m] Inside raceways
- 10,000 Network devices
- 20,000 Cabinets
- 3,000 Racks

The fiber cabling used to upgrade just one of the buildings was enough to reach from Sweden to California.

SCOPE

- Solution Development
- Program Management
- Delivery & Implementation
  - Outside Plant (OSP)
  - Inside Plant (ISP)
  - Distributed Antenna System (DAS)
  - Building Management and Security Infrastructure (BMS)
- RunOps & Day 2 Support
- Training & Certification Program
- Quality Assurance & Safety Program
- Management of Materials & Logistics
- Comprehensive As-Built Documentation
- Warranties

DELIVERABLES:

Construction and Implementation	Infrastructure	Run Ops and Day 2 Support	Training & Quality Assurance Program
• All infrastructure work • All physical structure such as racks, ladder rack, fiber runner, support structures, PDU installation, pathways, rack containment, grounding/bonding. • Enforce all safety practices and procedures for information and communications technology (ICT) installers and work sites and adhere to all regulations measures and codes for national and local requirements for workplace health and safety.	• Cabling • Networking • OSP cabling • Distributed antenna • Building Management and Security Systems • System (DAS) for superior wireless performance • Testing • As-built documentation • Warranties	• Troubleshooting • Equipment moves • Re-cable existing equipment • Swap/change existing cabinets/racks • De-commission servers, trunks, patches, ladders, equipment • Documentation of changes • Weekly rounds • Quality assurance	• In-house qualified trainers and a Data Center enablement program to support the end-to-end technical and leadership needs for all our deliverables. • Own and maintain Authorized Training Facilities (ATF) certified by BICSI standards. • A dedicated Quality Assurance and Quality Control program for ensuring highest technical standards of craftsmanship.

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THE BLACK BOX APPROACH

Black Box uses a programmatic methodology for our data centers solutions. Construction, RunOps, BMS, DAS, other tasks, and aspectsare managed through a single project management office (PMO) to ensure high delivery standards and a consistent experience for this client, and others. We "think global" and "act local" to provide a modular global program that offers solutions development and centralized strategic planning while maintaining local project management and a local technical workforce for salability of the delivery.

The outcomes for this global client include state-of-the-art hyperscale data centers around the world built with a partner they can trust in Black Box.

ABOUT BLACK BOX DATA CENTER SOLUTIONS

Black Box builds and supports large-scale data centers through a comprehensive suite of solutions and services that make Black Box a premium data center service provider in the industry.

Services include but are not limited to:

- Hyperscale data center construction
- Colocation and large scale deployments
- Day 2 and RunOps support 24/7/365
- Engineering and DAS solutions for leading manufacturers, social media, and search engine giants in the world.

GET IN TOUCH

For more information about our services or for a quote, please contact us at **855-324-9909**, **Contact@blackbox.com** or visit **BLACKBOX.COM**.

ABOUT BLACK BOX

Black Box® is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.

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