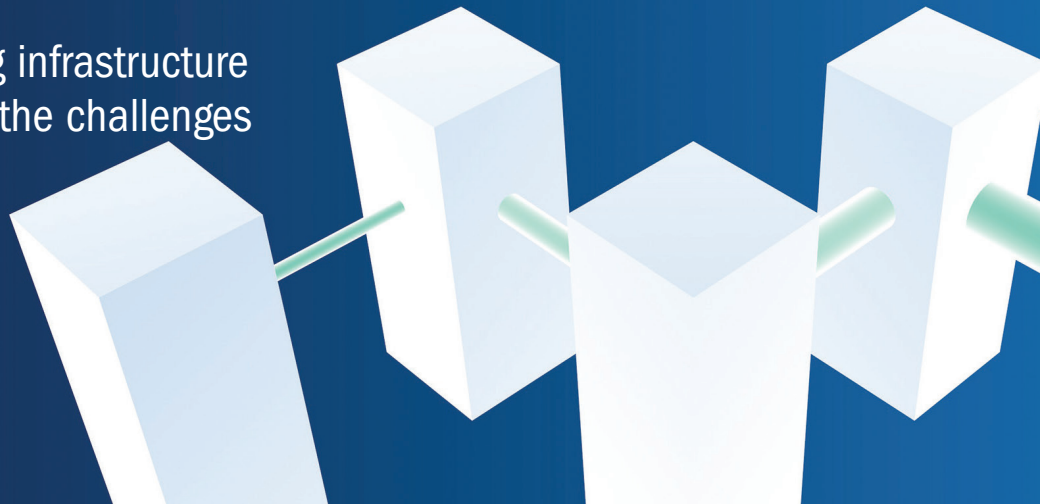Is your physical cabling infrastructure designed to withstand the challenges of constant change?
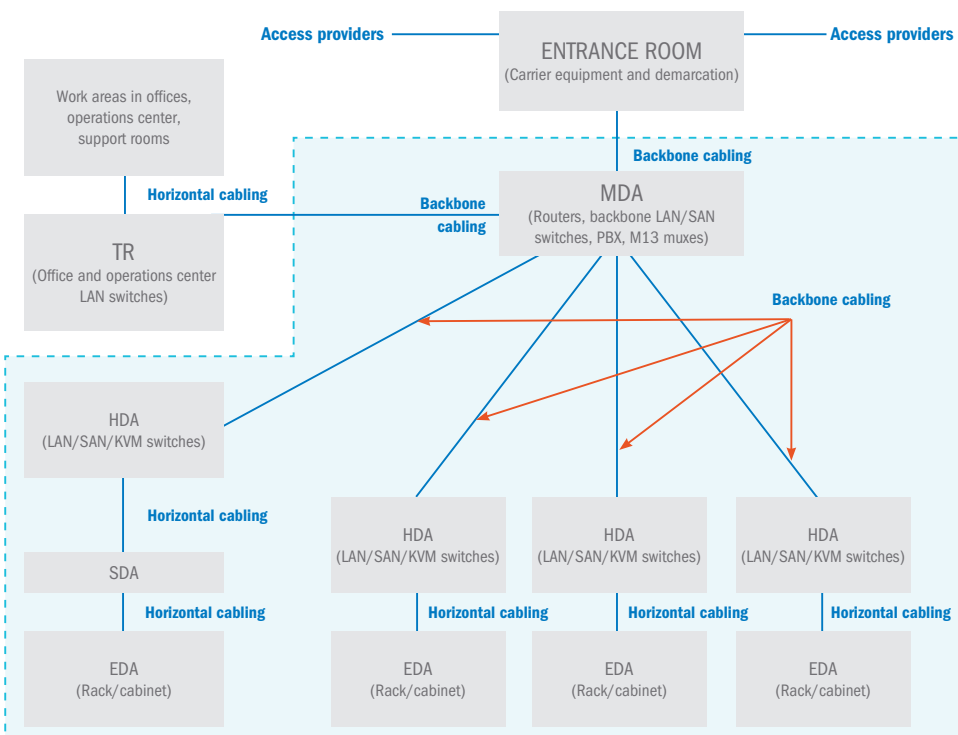
DATA CENTRE NETWORK MIGRATION

Server and network hardware technologies are continually evolving due to increasing bandwidth requirements. Your fibre and copper cabling architecture is required to become more versatile to compensate for multiple migration paths, which include 10, 40 and 100 Gigabit data rates.

Regularly ripping and replacing cabling infrastructure increases capital expenditure (CAPEX) and, ultimately, operational expense (OPEX). Product, architecture and performance selection are critical in avoiding unnecessary costs.

COMMON DATA CENTER TOPOLOGY

Access providers — ENTRANCE ROOM (Carrier equipment and demarcation) — Access providers

Work areas in offices, operations center, support rooms

Horizontal cabling

Backbone cabling

TR (Office and operations center LAN switches)

Backbone cabling

MDA (Routers, backbone LAN/SAN switches, PBX, M13 muxes)

Backbone cabling

HDA (LAN/SAN/KVM switches)

Horizontal cabling

SDA

Horizontal cabling

HDA (LAN/SAN/KVM switches)

HDA (LAN/SAN/KVM switches)

HDA (LAN/SAN/KVM switches)

Horizontal cabling   Horizontal cabling   Horizontal cabling   Horizontal cabling

EDA (Rack/cabinet)   EDA (Rack/cabinet)   EDA (Rack/cabinet)   EDA (Rack/cabinet)

Basic data center cabling topology (see reference guide)

Data centre infrastructure lifetime and network interoperability becomes significantly compromised when data centre deployments neglect the importance of cabling system design.

WHAT WE HEAR
Challenges from the various data centre stakeholders are:

AMORTISATION of cabling investment

Infrastructure **COMPLEXITY**

Restrictions of **LEGACY SYSTEMS**
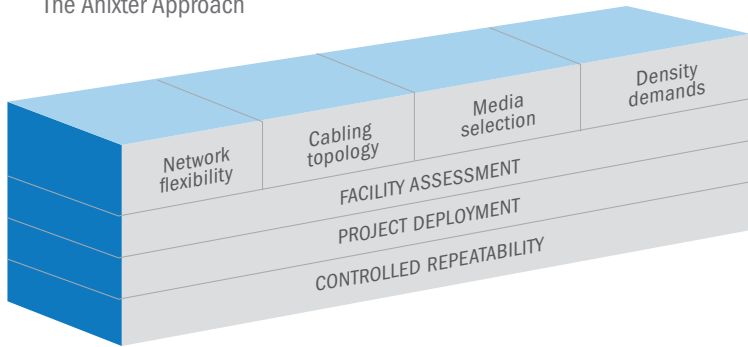
SPEED of deployment

Pace of **INNOVATION,** adoption

Infrastructure as a Platform
by Anixter

Infrastructure as a Platform by Anixter offers a standards-based, physical layer approach that provides a foundation to meet the high-performance computing demands of your data centre.

HIGH-PERFORMANCE STRUCTURED CABLING
The Anixter Approach

Network flexibility · Cabling topology · Media selection · Density demands

FACILITY ASSESSMENT
PROJECT DEPLOYMENT
CONTROLLED REPEATABILITY

Anixter understands that in order to achieve a high-performance, future-ready structured cabling system one needs to consider the right combination of network architecture, performance, distance and density requirements to form the right solution. Our approach solves that puzzle.

- **Network flexibility**
  Apply designs to accommodate your performance requirements and highly scalable network architecture demands.

- **Cabling topology**
  Determine the right choice for your computing requirements with careful consideration for end of row (EoR), middle of row (MoR), top of rack (ToR) or centralised cabling architectures.

- **Media selection**
  Choose the appropriate cabling media from twisted pair, optical fibre and direct attached to address high-speed bandwidth requirements.

- **Density demands**
  Deploy scalable designs that accommodate for uncertain density requirements.

YOUR CABLING SYSTEM PLATFORM
Anixter engagement process

QUALIFY
Understand your current state and business drivers

ASSESS
Identify gaps in your current cabling system design

PLAN
Define actionable solutions and configurations to execute

TRIAL
Propose proof of concept with Anixter alliance partners

DEPLOY
Deliver project on time and under budget
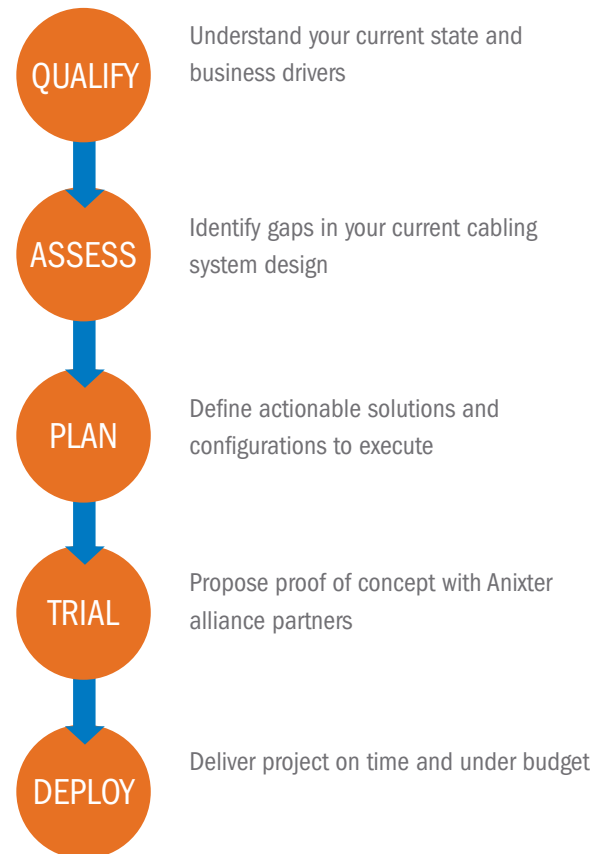
PRODUCT AND DEPLOYMENT SOLUTIONS
With our alliance and integrator partners
- Copper and fibre cabling infrastructure
- Vertical and horizontal cable management
- Copper and fibre patch panels
- Copper and fibre patch cords
- Preterminated fibre trunk cables
- Infrastructure certification testing equipment

FOR MORE INFORMATION VISIT ANIXTER.COM/DATACENTRE

For over 30 years, Anixter has been the leading, global, value-added distributor of physical layer communication infrastructure solutions for office, building and campus environments. As experts in large-scale project execution, we are a trusted supplier to leading communication integrator companies and have worked with many Fortune 500 companies.

anixter.com/emea

Products. Technology. Services. Delivered Globally.