



DATA CENTER INFRASTRUCTURE SOLUTION

AGILE & EFFICIENT



AGILE, EFFICIENT & HIGHLY AVAILABLE DATA CENTERS

Data center deployment is at the heart of most IT strategies. Designing a data center that responds to the needs of a business can make it a key pillar in a company's strategy. To do this, you need a network infrastructure partner that can anticipate new industry trends, drive standards, help design, operate, and grow a data center that can serve your business needs in a highly agile fashion.

You know what it takes to create, construct and run this most critical of business assets. And so do we. TE designs and manufactures more than 500,000 products that connect and protect the flow of power and data inside the products that touch every aspect of our lives. Our high density fiber and copper data center solutions are engineered to out-perform your expectations. TE Connectivity supplies products and jointly develops solutions with many of the world's leading data center equipment manufacturers. This ideally positions us to be able to anticipate and deliver on your requirements for a competitive data center infrastructure.

The challenge the industry now faces is to maintain high levels of availability while offering faster responses to rapid changes in business, application and user demand.

TE DELIVERS:

- Unique OEM partnerships
- Unrivalled global reach
- World leadership in Managed Connectivity

BASED ON:

- Products
- Partnerships
- Support

At TE we know the importance of being agile and cost-effective. The best way to achieve this is by building in these requirements at the early stage of the design process. We put this principle into practice at the product design stage and by participating with you and our partners at the early stages of the data center design.

A NETWORK INFRASTRUCTURE TECHNOLOGY PARTNER THAT CAN
ANTICIPATE NEW INDUSTRY TRENDS, DRIVE STANDARDS,
HELP DESIGN, OPERATE, AND GROW A DATA CENTER THAT CAN
SERVE YOUR BUSINESS NEEDS IN A HIGHLY AGILE FASHION.

TE DATA CENTER SOLUTION





PRODUCTS

Fiber and copper connectivity products are at the core of our data center solution portfolio. Forming the physical infrastructure that connects the vital storage, application and networking assets of your data center, our product set is engineered to offer optimum performance while addressing the business needs for agility and efficiency. Our portfolio is built on the proud legacy inherited from the ADC fiber, KRONE and AMP NETCONNECT products and also the relationships we have built supplying connectors into the products that make up the data center's active equipment.

Our customers are able to choose from the broadest portfolio of products available on the market, including unique platforms that have been designed specifically for the data center to help the world's leading router, switch, server and storage companies deliver products that integrate seamlessly while addressing the challenges of cabling density, cooling airflow and reduced rackspace.

TE HAS CLOSE RESEARCH AND DEVELOPMENT RELATIONSHIPS WITH ACTIVE EQUIPMENT VENDORS, DESIGNING CONNECTORS FOR THE NEXT GENERATION OF ACTIVE EQUIPMENT.

TE DATA CENTER SOLUTION

VITAL & RELIABLE

SUPPORT

Good design is at the core of all high performing data centers. In addition to designing standards compliant products specifically for data center environments, we work with you to help you get the data center design right from the start. Our experience working directly with customers around the globe gives us first-hand knowledge of data center challenges. Many of our experts also participate in or chair international standards committees for data center cabling infrastructure design to help further the industry.

This real world experience means we know that some of the greatest efficiencies can be gained through data center maintenance and operation. This is why, for many of our major clients, we offer project management services to help with on-going design, build and data center roll out. Our customers have told us that good communication underpins most successful data center projects. As a result, we have worked with data center professionals to develop online project collaboration applications that ensure our customers remain in full control of the project with the maximum communication efficiency.

PARTNERS

Given the complex nature of data center requirements, it is not surprising that most companies establish a network of partners offering complementary elements of a data center solution. Much of the industry works within a partnering structure but TE is unique in the types of partnerships we have and what they mean to our customers.

TE has closer research and development relationships with active equipment vendors, designing connectors for the next generation of active equipment. That means we can share insights about technologies on the horizon and in the data center now with our customers. This can result in TE being ahead of the competition for those next generation connectivity needs and our customers get access to unique solutions designed in partnership specifically for the data center.



ADAPTIVE

CABLING SYSTEMS

Fiber or copper, shielded or unshielded. TE's range of cabling and connector products form the systems that support application protocols from 1G to 100G to some of the world's largest 'mega data centers'. The solutions include easy to install field terminated solutions and factory terminated plug & play solutions, both offering the highest performance available to data center customers.



Featuring the combined portfolios of AMP NETCONNECT and legacy ADC KRONE products.

AMP
NETCONNECT

KRONE

MRJ21 XG COPPER SYSTEM

The MRJ21 XG system is designed to support agility, availability and efficiency in today's modern data center. Via its industry leading MRJ21 backbone connectivity and RJ45 presentation platforms, the MRJ21 XG can support 10 GbE (10 Gigabit Ethernet) throughput in all architectures where copper cabling is required. This pre-terminated system enables the data center manager to quickly add additional capacity or services whilst guaranteeing data throughput performance 100% of the time.

& INTELLIGENT

PLATFORMS

Space is at a premium and the need to manage cooling airflow can mean that the most important part of a data center infrastructure is the cable management products, racks and enclosures that make up the cabling platform. Real world experience, design insight and good customer relationships have helped TE to design integrated cabling platforms for high fiber count and mixed media environments. Our range also includes cabling platforms that are custom designed to work with specific active equipment configurations to deliver efficient and agile data center operation.



STORAGE AREA MANAGEMENT (SAM)

SAM is a storage area management solution specifically designed to meet the challenges of high density fiber cross connect in the storage area network of your data center.

By aligning fiber patching ports vertically with line card ports and customizing the length of the fiber assemblies to exactly match the vertical patch lengths, it eliminates unnecessary cable slack and cable cross over for an efficient patching solution.

MANAGED CONNECTIVITY

Adding intelligence into the connectivity in your data center opens up the ability to manage the physical infrastructure more efficiently. TE Connectivity has sold more intelligent ports worldwide, than any other manufacturer with its AMPTRAC system and has now introduced the world's first managed connectivity solution based upon connection point identification technology, Quareo.

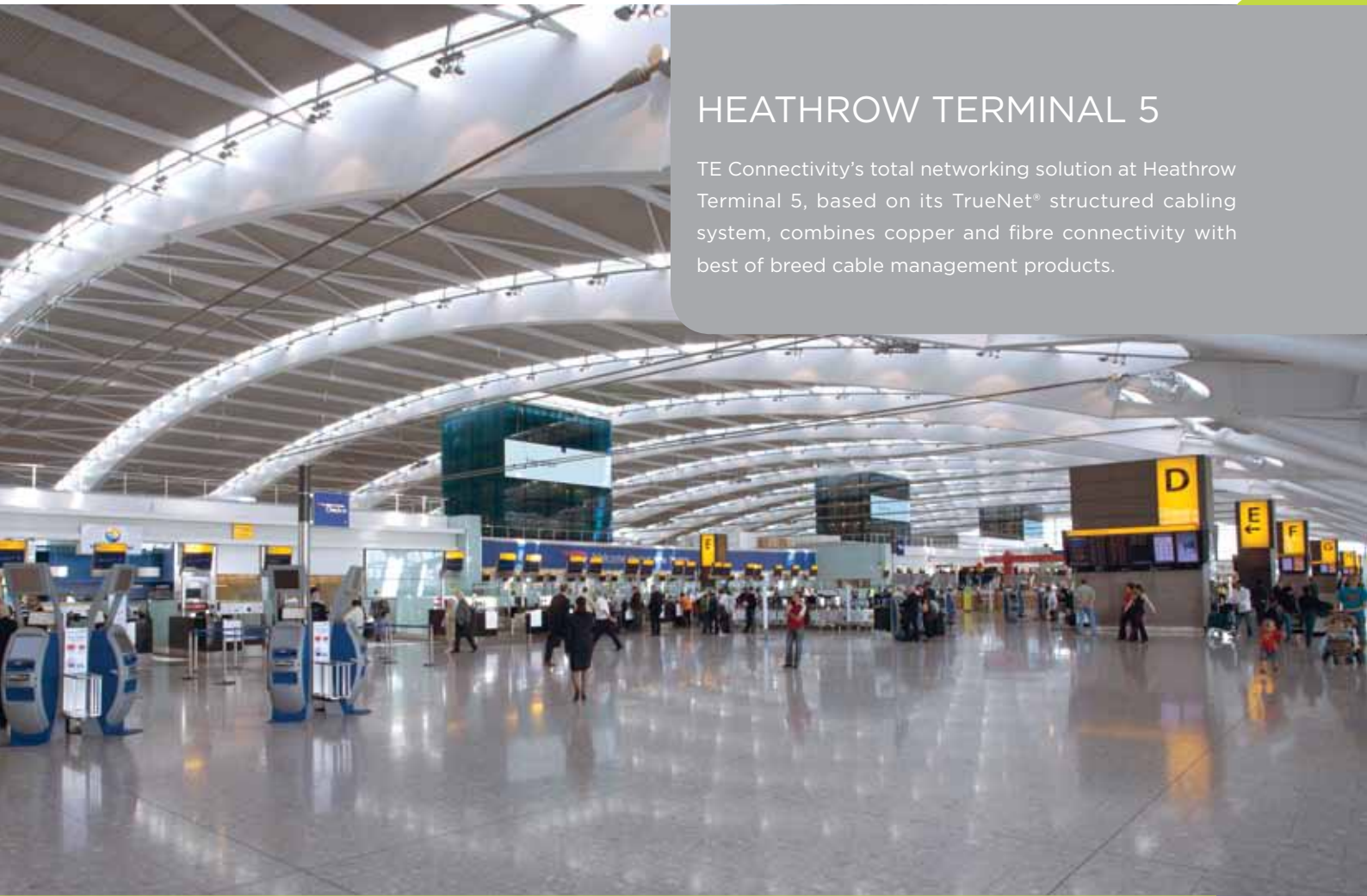


QUAREO

Quareo is a connection point identification technology, which provides unprecedented knowledge about the network including accurate documentation and reporting of changes, as well as enhanced security; Quareo enables higher availability while lowering operating costs for a network.

TE DATA CENTER SOLUTION





HEATHROW TERMINAL 5

TE Connectivity's total networking solution at Heathrow Terminal 5, based on its TrueNet® structured cabling system, combines copper and fibre connectivity with best of breed cable management products.

THE TECHNOLOGY INFRASTRUCTURE WORKED PERFECTLY FROM DAY ONE. IT WAS DESIGNED FOR 24x7x365 FAULT-FREE OPERATION.

TE DATA CENTER SOLUTION

EXPERIENCE & SUCCESS



Dienst Uitvoering Onderwijs (DUO)

DUO, the Office of Education for the Netherlands, required a robust, state-of-the-art cabling network, for their new data center, all within six weeks! TE worked with DUO building a completely new IT environment to support their new office building and data center – critical to the success of the organization.



DZ Bank

With around 25,000 employees DZ Bank is among Germany's largest banks. TE Connectivity completed this 1000 server data project to install high density MPO & MRJ21 cabling within a tight 30 day deadline.



EnergiMidt A/S

Based in Denmark, EnergiMidt needed a new data center to help offer communication and entertainment services over a fiber network to their energy customers. They chose TE's AMPTRAC intelligent infrastructure management system to provide rapid planning of capacity adds, moves and changes.



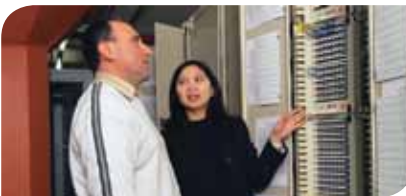
MAPCO

TE Connectivity's end-to-end TrueNet® Structured Cabling System was chosen for the headquarters data center of Mapco, a subsidiary of Delek US Holdings which operates more than 500 convenience stores in the U.S.



DRFortress

This Hawaii-based provider offers data center and Internet exchange services to enterprise organizations, network providers and e-commerce companies. Adam Cheong, DRFortress network and data center manager, explains, "Our philosophy is to grow our business in well-planned phases, and ADC helped us with an infrastructure designed to do this."



Optus

Optus is the second largest service provider in Australia. TE Connectivity provides all UTP, coax and fibre cable and connectivity solutions for Optus Hosting Centres.



ACTTAB

When ACTTAB (Australian Capital Territory Betting Corporation) sought to upgrade its headquarters data center, they chose an AMP NETCONNECT Cat 7_a system to ensure maximum availability and performance.

AVAILABLE & ASSURED



TAILORED SOLUTIONS AND DEDICATED SUPPORT

With an established manufacturing presence in more than 20 countries, TE offices in more than 50 countries, and customers in more than 150 countries, we can provide an unrivalled level of in country support for your data center project. In addition, our global network of distributors and integrators allows us to support multi-national data center deployment programs.

We work with a network of OEM and technology partners at the design stage, driving the critical connector technologies for servers, storage and networking equipment product development. From switch to server, from router to storage, we are dedicated to engineering next-gen network infrastructure solutions for all your data center needs.

Your data center, your choice. Engage one of our 2,000 plus authorized Network Design and Installation partners for your next project.



Select the solution that is specific to your needs from the industries broadest range of cabling infrastructure products for the data center—all backed by the TE Connectivity 25 Year Warranty.

FROM SWITCH TO SERVER, FROM ROUTER
TO STORAGE, WE ARE DEDICATED TO ENGINEERING
NEXT-GEN NETWORK INFRASTRUCTURE SOLUTIONS
FOR ALL YOUR DATA CENTER NEEDS.

TE DATA CENTER SOLUTION



TE ENTERPRISE NETWORKS REGIONAL SALES HEADQUARTERS:

North America

Greensboro, NC, USA
Ph: +1-800-553-0938
Fx: +1-717-986-7406

Latin America

Buenos Aires, Argentina
Ph: +54-11-4733-2200
Fx: +54-11-4733-2282

Europe

Kessel-Lo, Belgium
Ph: +32-16-35-1321
Fx: +32-16-35-2188

Mid East & Africa

Cergy-Pontoise, France
Ph: +33-1-3420-2122
Fx: +33-1-3420-2268

Asia

Hong Kong, China
Ph: +852-2735-1628
Fx: +852-2735-1625

Pacific

Sydney, Australia
Ph: +61-2 8748 9500
Fx: +61-2 9748 8487

TE ENTERPRISE NETWORKS IN EUROPE, MIDDLE EAST, AFRICA AND INDIA:

Austria

Vienna
Ph: +43-1-90560-1204
Fx: +43-1-90560-1270

Egypt

Cairo
Ph: +20-2-2419-2334
Fx: +20-2-2417-7647

Hungary

Budapest
Ph: +36-1-289-1007
Fx: +36-1-289-1010

Netherlands

Den Bosch
Ph: +31-73-6246-246
Fx: +31-73-6246-958

Russia

Moscow
Ph: +7-495-790-7902
Fx: +7-495-721-1894

Turkey

Istanbul
Ph: +90-212-281-8181
Fx: +90-212-281-8184

Belgium

Kessel-Lo
Ph: +32-16-35-1321
Fx: +32-16-35-2188

Finland

Helsinki
Ph: +358-95-12-34-20
Fx: +358-95-12-34-250

India

Bangalore
Ph: +91-80-4011-5000
Fx: +91-80-4011-5030

Norway

Nesbru
Ph: +47-66-77-88-99
Fx: +47-66-77-88-55

South Africa

Midrand, Gauteng
Ph: +27 11 707 6300
Fx: +27 11 466 3555

U.A.E.

Dubai
Ph: +971 4 3466511
Fx: +971 4 3466513

Bulgaria

Sofia
Ph: +359-2-971-2152
Fx: +359-2-971-2153

France

Cergy-Pontoise
Ph: +33-1-3420-2122
Fx: +33-1-3420-2268

Italy

Collegno (Torino)
Ph: +39-011-4012-1111
Fx: +39-011-4012-268

Poland

Warsaw
Ph: +48-22-4576-700
Fx: +48-22-4576-720

Spain

Barcelona
Ph: +34-93-291-0330
Fx: +34-93-291-0608

UK

Stanmore, Middx
Ph: +44-208-420-8140
Fx: +44-208-954-7467

Czech Rep. & Slovakia

Brno
Ph: +420-541-162-112
Fx: +420-541-162-223

Germany

Darmstadt
Ph: +49 6151 607-1547
Fx: +49 6151 607-1219

Kazakhstan

Almaty
Ph: +7-327-244-5875
Fx: +7-327-244-5877

Portugal

Evora
Ph: +351-961-377-331
Fx: +351-211-454-506

Sweden

Upplands Väsby
Ph: +46-8-5072-5000
Fx: +46-8-5072-5001

Ukraine

Kiev
Ph: +380-44-206-2265
Fx: +380-44-206-2264

Denmark

Glostrup
Ph: +45-70-15-52-00
Fx: +45-43-44-14-14

Greece/Cyprus

Athens
Ph: +30-210-9370-396
Fx: +30-210-9370-655

Lithuania

Vilnius
Ph: +370-5-213-1402
Fx: +370-5-213-1403

Romania

Bucharest
Ph: +40-21-311-3479
Fx: +40-21-312-0574

Switzerland

Steinach
Ph: +41-71-447-0-447
Fx: +41-71-447-0-423

DATA CENTER BROCHURE EMEA



Contact us:

Please contact us at one of the regional offices shown above.

TE Data Center Solutions:
www.datacenteragility.com

TE Connectivity:
www.te.com

TE Connectivity, TE connectivity (logo), Tyco Electronics, TE (logo), AMP NETCONNECT, AMP NETCONNECT (logo) are trademarks. Other logos, product and/or Company names might be trademarks of their respective owners

While TE Connectivity has made every reasonable effort to ensure the accuracy of the information in this document, TE Connectivity does not guarantee that it is error-free, nor does TE Connectivity make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE Connectivity reserves the right to make any adjustments to the information contained herein at any time without notice. TE Connectivity expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE Connectivity for the latest dimensions and design specifications.