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Data Center

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R&M offers trusted advice and tailored solutions based on high performance connectivity for reliable and secure data center network infrastructures

Get more:

- Extensive knowledge and expertise
- Reliable network performance
- Flexibility
- Scalable infrastructure
- All from one source
- Global reach



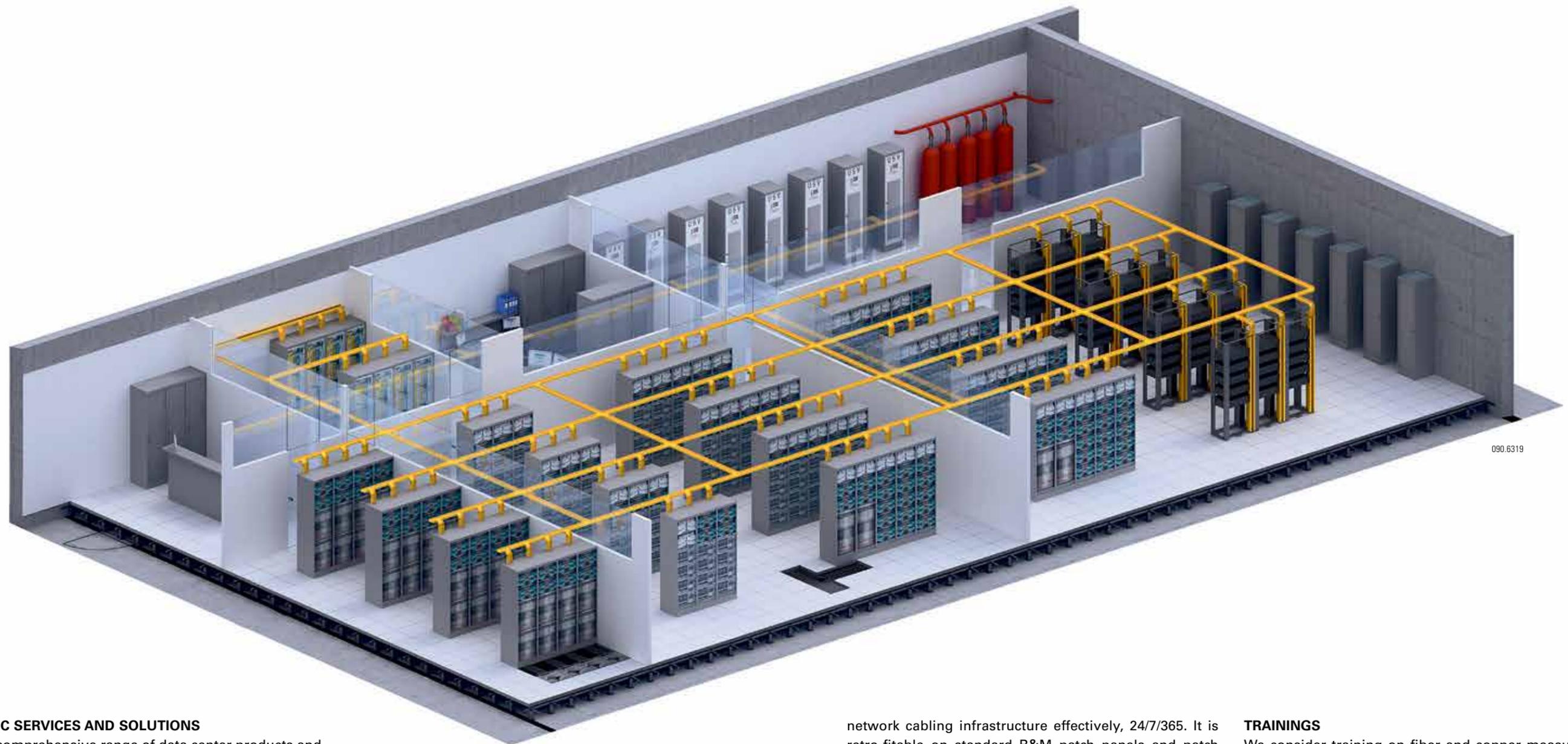
Data Centers are at the heart of any business IT capability.

Independent of their respective sizes, high availability and peak performance are required all-day, every-day. For a while, when a data center manager was tasked with designing the data center, the assignment included many complex topics including power supply, machine cooling and the choice of adequate IT capacities. Then came the great flood of data – big data, virtualization, mobile devices, cloud computing – which raised the importance of the physical network.

In the past, the cabling network was often taken for granted until there was a problem with data throughput. In the meantime, connectivity is considered an integral part of data center networks, and thus IT managers additionally face cabling challenges such as the variety of protocol applications and of course the perpetually increasing bandwidth requirements. It is this increase in Ethernet and especially Fibre Channel bandwidth that sets stricter standards on the quality of optical and copper connectivity.

However, highest quality products alone are not enough to guarantee faultless operation. Rather, thorough analysis followed by a structured and forward-looking design of the data center cabling is important to provide efficient solutions. With a modular platform approach, intelligent infrastructure management, and field-proven migration paths to 40G and 100G Ethernet, clients can get the flexibility to adapt their physical networks and easily respond to ever occurring change.

If you are looking for trusted advice and a tailor-made cabling infrastructure – **R&M can help.**



090.6319

SPECIFIC SERVICES AND SOLUTIONS

R&M's comprehensive range of data center products and services help you finding the optimal cabling solution, saving costs by reducing installation and reconfiguration time, whilst keeping the future requirements of your network in focus. These products and services are affected by the close, cooperative partnership with our clients, and our employees with their long-term experience.

performing storage area networks, and I/O consolidation will all depend upon considerable new deployments of 10 Gigabit (10G), and even 40G and 100G links. At the same time, Fibre Channel has become a mature, safe solution for communications up to 16 Gigabit Fibre Channel, and 32GFC will provide an ideal solution for fast, reliable mission-critical information storage and retrieval for future data centers. Taken together, this new environment of abounding data transmission applications presents data center operators and planners with significant challenges. With R&M's extensive knowledge and experience, we have become the trusted advisor for optimized physical network infrastructures and migration scenarios. We have taken assumptions out of the planning process and replaced it with analysis and best-practices.

AUTOMATED INFRASTRUCTURE MANAGEMENT

We know that highly reliable network communication is a critical business issue in the operation of a data center. Complex physical infrastructures must be managed precisely. R&M*inteliPhy* is designed to visualize the end-to-end

network cabling infrastructure effectively, 24/7/365. It is retro-fitable on standard R&M patch panels and patch cords – both in fiber and copper networks. R&M*inteliPhy* can enable effective optimization of your data center's physical layer through minimizing patching mistakes which cause 28% of downtime, and up to 10% OpEx savings in IT energy costs.

HIGH PERFORMANCE NETWORK CONNECTIVITY SOLUTIONS

We have been a manufacturer of copper connectivity since our beginning in 1964, and produced our first fiber optic components in 1987. Through consistently investing into new products and testing equipment, we can guarantee Swiss quality on the highest level. With the record-breaking 40G transmission demonstration over 550 meters with nine MPO connections for example, we have proven that superior quality has a significant impact on the network performance. These results also have economic advantages for you; in the future, you can once again plan more connections, more flexibly design high-performance data networks. You can thus start the transition into the next generation Ethernet era without taking any risks, plan your networks more flexibly and operate them with peace of mind.

TRAININGS

We consider training on fiber and copper measurement techniques as a major component of our quality philosophy in structured cabling. For the efficient implementation and maintenance of our cabling and intelligent infrastructure management (R&M*inteliPhy*) solutions, we offer trainings and knowledge transfer that empower you and your team to manage and take ownership of the physical network solution.

QUALIFIED PARTNER PROGRAM

The global network of qualified and certified R&M partners gives our clients competent, professional advice on site, always provides the ideal cabling solution, and has a compelling and unique Warranty Program. A clear auditing process assures that network specialists are verifying each and every link measurement prior to issue site certificates. If needed our cabling engineers assists in fault finding and quality control. With our QPP we ensure multinational clients the same high standards worldwide.



090.6250

NETWORK ADVICE

We help you optimizing your next generation bandwidth requirements for computing and storage networking applications. Server virtualization, flatter networks, higher

Why R&M?

R&M is in an unparalleled position to design and implement physical data center networks on the basis of latest technology and highest operational reliability. What can you expect from R&M?

EXTENSIVE KNOWLEDGE AND EXPERIENCE

We have been in the cabling business for almost 50 years and have deployed hundreds of data center network infrastructures around the world. We leverage our strong office cabling and public networks intelligence to constantly improve our portfolio according to your needs.

NETWORK PERFORMANCE

We are committed to delivering connectivity that exceeds industry standards yielding more stability and security to your networks – and peace of mind to you. The high quality standards of R&M ensure reliable, uninterrupted operation to satisfy the highest service levels. New transmission technologies maximize performance. All components and solutions are thoroughly tested and examined before delivery.

FLEXIBILITY

We offer tailored solutions for the telecom, colocation, financial services, government, research institute and industry sectors. End-to-end modularity simplifies planning, installation and operation. With pre-terminated fiber optic and copper cables physical networks can be maintained and expanded with the greatest of ease.

GLOBAL REACH

We have a network of data center experts supporting you with trusted and fair advice to realize reliable and secure networks.

ALL FROM ONE SOURCE

We are a Swiss manufacturer of fiber and copper connectivity and offer a broad range of cables, distribution platform, cabinets and infrastructure monitoring systems. R&M quality management ensures the most stringent standards in product quality. The installations are executed by certified planners and installers from the Qualified Partner Program (QPP). The system warranty means long-term protection of each investment in a solution from R&M.

SCALABLE INFRASTRUCTURE.

We leverage our modular systems to make data center cabling scalable and future-proof to significantly reduce cost and complexity of your physical networks.

Contact R&M

IT requirements can change overnight. Flexibility is therefore a decisive quality for your success. And only a flexible physical network solution creates the necessary basis for this. The cabling infrastructure accounts for only 5% of all investments in a data center. However, it is of crucial importance for reliable operation. Around half of all breakdowns can be traced to faulty cabling. It therefore pays to invest time in selecting the best solution and the right partner. To find out how R&M can help you build the reliable high performance data center, visit: www.rdm.com.