No. 02 | 2026 | Customer Magazine
Datwyler IT Infra

panorama



Formula 1 in Madrid:

ENGINEERED TO RACE, BUILT TO LAST

Interview with Benjamin Krebs and Andreas Weidner:

»AI MAKES PHYSICAL SECURITY PROACTIVE«

Copper data technology:

FLEXIBLE CABLE FOR OUTDOOR APPLICATIONS

DATWYLER

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Imprint

Publisher and editorial responsibility: Dätwyler IT Infra AG, 6460 Altdorf / Switzerland, datwyler-itinfra.com
Editors: Dieter Rieken, Marco Müller, Chen Chen
Authors: Ahmad Abuhatab, Chen Chen, Ivan Corsini, Ralf Fischinger, Luca Dalla Grana, Li Mei Jing, Li Weidong, João Marques, Marco Müller, Maurizio Truglia, Michael Werner
Translation: Dieter Rieken, TTC wetranslate Ltd.
Layout: Kathrin Müller
Printing: johnen-druck GmbH & Co. KG, 54470 Bernkastel-Kues / Germany
Circulation: 8,000 copies German / English / Chinese
Publishing frequency: Semi-annually
Sources of images: Coyser Comunicaciones de Empresa, S.A., Deutsche Messe, GTI Srl, Kidana Development Company, Madrigal Pharmaceuticals GmbH, MADRING – IFEMA MADRID, Verkada Inc., Zhengzhou Research Institute, Adobe Stock, Datwyler picture library

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AI NEEDS A STRONG FOUNDATION

Dear customers and partners,

When people talk about artificial intelligence, the focus is usually on algorithms, software and innovative applications. From generative AI to autonomous systems, the possibilities seem almost limitless. Yet behind every AI application, every cloud platform and every digital service lies something far less visible, but equally essential: the physical infrastructure that makes it all possible.



Artificial intelligence is driving demand for computing power, storage capacity, connectivity and energy on an unprecedented scale. Every query submitted to an AI platform relies on data centres, networks and fibre-optic connections before a response can be delivered within seconds. As AI becomes increasingly embedded in business and society, the need for robust digital infrastructure is growing at an equally rapid pace.

To meet this demand, enterprises, cloud providers and data centre operators around the world are investing billions in expanding their capacities. At the same time, demand for fibre-optic solutions, connectivity technologies and data centre infrastructure is increasing far faster than it was just a few years ago.

This development is reshaping market dynamics. In many areas, the market is moving away from on-demand availability towards a model based on long-term planning and committed volumes to secure capacity. In some segments, longer lead times and a growing demand for strategic supply partnerships can already be observed. The implications are clear: organisations that want to secure future capacity and resources will need to plan much further ahead than in the past. Long-term partnerships and forward-looking investment decisions are becoming increasingly important.

For businesses, this requires a shift in perspective. Digital infrastructure is no longer merely an operational consideration; it has become a strategic success factor. Companies seeking to drive growth, digital transformation and the adoption of AI need a reliable and scalable foundation.

At Datwyler IT Infra, we have actively prepared for this development. We will continue to invest in our global supplier network, diversify our sourcing channels and strengthen long-term partnerships with key strategic suppliers. At the same time, we are expanding our innovation capabilities and operational capacity to ensure that we can continue to meet our customers' growing requirements reliably in the years ahead.

Equally important is maintaining a close dialogue with you, our customers. The better we understand your future requirements, the more effectively we can plan capacity and ensure reliable supply. Transparency, long-term collaboration and forward planning are becoming critical success factors for all of us.

Technological revolutions have always rested on a physical foundation. Railways enabled industrialisation. Power grids laid the groundwork for electrification. Today, fibre-optic networks, data centres and digital infrastructure provide the foundation for the AI-driven transformation of our world.

Behind every intelligent application stands an infrastructure that makes it possible. That is where Datwyler IT Infra comes in. We are proud to play our part in this development and to support you, our customers and partners, on your journey into the digital future.



Adrian Bolliger, CEO
Datwyler IT Infra



IFEMA MADRID:

ENGINEERED TO RACE, BUILT TO LAST

A significant part of the communications and network infrastructure at Madrid's new Formula 1 circuit is based on Datwyler copper and fibre-optic solutions.

MADRING is Madrid's new purpose-built Formula 1 circuit, designed to host the pinnacle of motorsport in the Spanish capital over the next ten years. Managed by IFEMA MADRID, it hosted its inaugural race on 13 September 2026.

MADRING combines permanent and temporary sections and is considered a semi-urban, or hybrid, circuit. The track runs through parts of the Feria de Madrid exhibition centre and adjacent areas in Valdebebas. It is located approximately nine kilometres from the city centre and three kilometres from the airport.

Excellent public transport links via the Metro, rail services and several bus routes connecting the airport with the city centre were among the factors behind the circuit's inclusion in the Formula 1 calendar.

Premium infrastructure solution

A Formula 1 circuit places exceptional demands on precision, performance and reliability, both on and off the track. This is particularly true of the communications and network infrastructure that supports venue operations and a wide range of digital services.

A substantial part of this infrastructure has been implemented using copper and fibre-optic solutions from Datwyler IT Infra.

The installation included approximately 60 kilometres of Category 6 copper cabling and more than 50 kilometres of fibre-optic cabling, including OS2 single-mode and OM4 multimode variants with fibre counts ranging from 4 to 48.

The cabling infrastructure was installed by Coyser Comunicaciones de Empresa, an experienced systems integrator. Smart & Services, Datwyler IT Infra's distribution partner in Madrid, provided technical expertise and consultancy support throughout the project. Close collaboration between the two Datwyler Premium Partners played a key role in tailoring the solutions to the project's specific requirements.

The new infrastructure extends across grandstands, control and operational facilities, hospitality areas and various other functional zones. During Formula 1 events, it serves as the backbone for communications services, Wi-Fi connectivity, security applications and facility management systems. As a result, system availability and performance requirements were exceptionally high.



The Coyser team during the installation on site

The new infrastructure successfully proved its capabilities during the first Formula 1 race in September.



João Marques
Area Manager Iberia
Spain



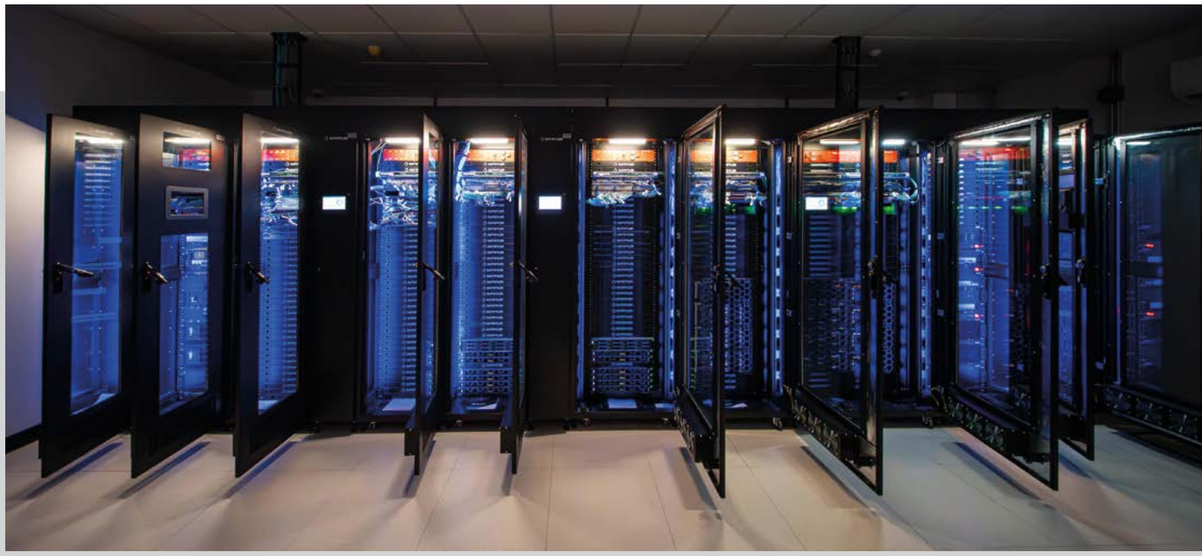


Kidana Development Company, Makkah:

AN IMPORTANT STEP
towards a future-proof IT infrastructure

Following the modernisation of its data centre by Datwyler, Kidana Development Company now benefits from a high-performance, scalable infrastructure for its business-critical applications.

Founded in Makkah in 2021, Kidana Development Company is the official construction and development company responsible for the holy sites of Mina, Muzdalifah and Arafat in Saudi Arabia. One of the company's most recent development projects is the Kidana Track in the Muzdalifah Plain. Along the pilgrims' route, a modern infrastructure designed for year-round use has been created, featuring cooled walkways, dedicated lanes for carts, shaded rest areas, as well as food, beverage and retail outlets.



The new SMDC

Projects such as these require IT systems capable of ensuring uninterrupted operations. To meet growing requirements for high availability, performance and scalability, the company decided in 2025 to upgrade its existing data centre infrastructure in the Muzdalifah area to the latest standards.

For the modernisation, Kidana was looking for an experienced partner capable of delivering the project in a structured and reliable manner while minimising the impact on ongoing operations.

Seamless implementation

Based on its proven expertise in data centre projects, Datwyler IT Infra was selected.

The project was carried out from late 2025 to early 2026. It included the delivery, installation and commissioning of a Tier III Smart Modular Data Centre (SMDC) featuring ten IT racks and three in-row cooling units. Additional work included minor on-site construction activities as well as extensive testing. The new data centre was integrated seamlessly into the existing environment.

> **The team demonstrated strong technical expertise and clear understanding of our requirements.**
>
> *Mohammad Alzughaibi, Director IT Infrastructure & Operations Services at Kidana Development Company*

Working closely with Kidana's project team, Datwyler planned the modernisation in a way that ensured the continuous availability of IT services throughout the project.

The implementation was likewise carried out in close coordination with the customer.

Infrastructure for future requirements

With its modern data centre environment, Kidana now has a scalable and efficient platform to support its business-critical operations.

Datwyler's Smart Modular Data Centre provides a stable foundation for the smooth digital processes supporting the Track in the Muzdalifah Plain. At the same time, it creates the conditions required for future growth and for meeting evolving digital requirements.

The customer's conclusion is correspondingly positive: "Our collaboration with Datwyler IT Infra enabled us to successfully upgrade our existing data centre infrastructure with minimal impact on ongoing operations," says Mohammad Alzughaibi, Director IT Infrastructure & Operations Services at Kidana Development Company. "The team demonstrated strong technical expertise and clear understanding of our requirements. From the initial project phases through to completion, Datwyler proved to be a reliable partner and supported us with a structured and professional implementation." ■



Ahmad Abuhatab
Account Manager
Saudi Arabia

Zhengzhou Research Institute
of Beijing Institute of Technology:

MODERN INFRASTRUCTURE
for advanced research

A high-performance structured cabling solution from Datwyler IT Infra provides the reliable connectivity required to support research, innovation and technology transfer across the new campus of the Zhengzhou Research Institute.

The Zhengzhou Research Institute of Beijing Institute of Technology (BIT) is a leading research and development centre established jointly by BIT, the Henan Provincial Government and the Zhengzhou Municipal Government. Its core research areas include the integration of medicine and engineering, intelligent systems, information and communication technologies, advanced electronics and functional materials.

As a high-level innovation platform that brings together academia and regional industry, the institute combines scientific expertise with practical application. It contributes both to the development of emerging industries and to the modernisation of traditional sectors. At the same time, it supports the implementation of BIT's national Double First Class initiative, which aims to strengthen China's competitiveness in education and scientific research.

After almost three years of construction, the institute's new standalone campus is nearing completion. Built on a site covering more than four hectares, the development comprises approximately 146,000 square metres of floor space. The campus features state-of-the-art facilities and a comprehensive infrastructure designed to support cutting-edge research and innovation.



The Zhengzhou Research Institute comprises a building complex offering approximately 146,000 square metres of floor space.

IT infrastructure for a demanding environment

The structured cabling infrastructure for the new campus underwent an extensive evaluation and selection process. The network was required to support highly precise scientific experiments while enabling efficient digital workflows across the institute. As a result, exceptionally high standards were set for reliability and performance.



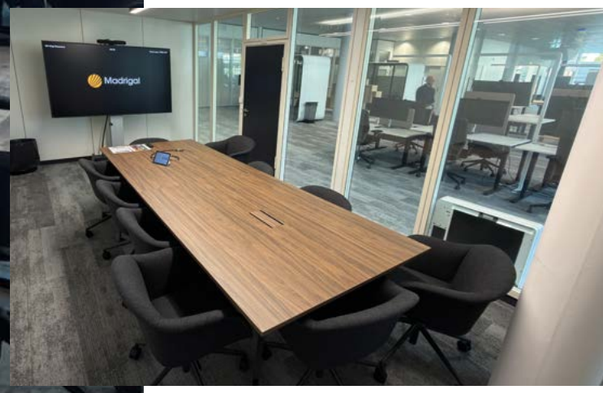
The final choice was a Datwyler IT Infra solution comprising a high-performance Category 6 cabling system with LSZH (Low Smoke Zero Halogen) cables, together with a fibre-optic backbone based on OM3 multimode and OS2 single-mode fibre. The solution was installed between December 2025 and June 2026

Datwyler's network infrastructure has created the foundation for the institute's long-term operational stability. Today, it delivers reliable, high-performance data transmission, a high level of operational security, environmental compatibility and excellent immunity to electromagnetic interference. It fully meets the requirements of a demanding research environment characterised by high utilisation levels and continuous 24/7 operation.



Li Weidong
Sales Manager East China





Madrigal Pharmaceuticals GmbH, Baar:

GROWTH

requires a strong IT partner

Madrigal's European expansion required more space, additional capacity and a scalable infrastructure. Under considerable time pressure, Datwyler successfully managed the relocation of the company's IT environment.



Madrigal Pharmaceuticals is a US-based biopharmaceutical company developing therapies for the treatment of MASH, a progressive liver disease. Founded in 2024, Madrigal Pharmaceuticals GmbH serves as the company's European headquarters. From its base in Baar, in the Swiss Canton of Zug, it manages regulatory approval, marketing and the commercial development of Madrigal's products across European markets.

As Madrigal continued to grow rapidly, demand for modern workplaces, additional capacity and a high-performance, secure and stable IT environment at its Baar location increased significantly. At the same time, core functions such as Human Resources, Technology and Compliance had to be expanded to support international growth while meeting the highest security standards.

The search for suitable office space was completed quickly. However, the relocation of the IT systems and the expansion of the infrastructure had to be planned and implemented within just a few months.

Given the complexity of the project and the tight timeframe, Madrigal chose Datwyler IT Infra, a long-standing partner with extensive experience in managing the company's IT environment.

Planning and delivery under tight deadlines

Datwyler's IT Solutions team began planning the relocation to the new premises in March 2026. In addition to the technical migration, the team took responsibility for project coordination and provided advisory support to Madrigal throughout the implementation phase.

Madrigal's new premises in Baar



The actual move took place in May 2026. Not only did the project have to meet strict deadlines, but parts of the work were also carried out in parallel with ongoing office operations. As a result, employees had already started using the new premises while Datwyler continued to complete and commission the infrastructure in stages.

A particular challenge was the worldwide shortage of certain network components. To keep the project on schedule, Datwyler developed and deployed temporary solutions at short notice at the new site. This enabled the company to fully mitigate the impact of the supply constraints.

More than a relocation

For Madrigal employees, the relocation proceeded without disruption. The availability of all IT and communication systems was maintained throughout the process.

Following the successful move, Madrigal continued to expand and optimise its IT infrastructure in collaboration with Datwyler's IT Solutions team. Additional projects included the installation of further workstations as well as enhancements to the video conferencing and collaboration infrastructure.

By successfully delivering the relocation project, Datwyler IT Infra further strengthened its position as Madrigal's strategic IT partner. The high level of trust placed in the company is also reflected in the extension of the existing service agreements. ■



Michael Werner
Project Manager
IT Infrastructure
Switzerland



Germany/China:

International partnerships

FOR THE INDUSTRY OF TOMORROW

At this year's Hannover Messe, Datwyler IT Infra showcased its latest innovations and expanded its industry partnerships.

Hannover Messe is one of the world's leading industrial trade fairs and has long been regarded as an important barometer of technological developments and global industrial trends. In April 2026, it brought together around 3,000 exhibitors from more than 50 countries, including approximately 700 companies from China. Key themes included industrial AI, humanoid robotics, hydrogen technologies and climate neutrality, attracting more than 200,000 trade visitors to Hanover, among them many decision-makers from industry and business.

At this year's event, Datwyler IT Infra's Chinese team showcased innovative solutions developed locally. Through its products and services, the company consistently aligns with European standards and the requirements of international markets. Thanks to its expertise across the entire value chain, from research and development to manufacturing, logistics and support services, the Taicang branch supports industrial cooperation between China and Europe.

During the exhibition, Datwyler IT Infra held in-depth discussions with leading connector manufacturers. The focus was on technological developments, joint product solutions, resource sharing and strategic cooperation opportunities. These discussions further strengthened existing partnerships and enhanced synergies across the industrial value chain.

The Datwyler team at the exhibition stand (from left to right): Conia Zhang, Sales Manager Industrial Harnessing (China), Michael Radau, Sales Manager Industrial Harnessing (Europe), and Tony Xu, Technical Manager (China)



Focus on smart manufacturing

In addition, the Datwyler team exchanged views with globally leading companies in the field of smart manufacturing, including SEW, ifm electronic and Zeiss, on key topics shaping the future, such as the transition towards intelligent manufacturing, industrial precision solutions and digital applications for modern production environments. The aim was to explore new ways of advancing a high-performance, future-oriented smart industry through collaboration.

The team also held initial discussions with specialised German automation solution providers. These contacts have laid the foundation for closer cooperation aimed at addressing the needs of European markets even more effectively. At the same time, they pave the way for stronger regional networking, the development of new markets and the establishment of a global industrial ecosystem for smart manufacturing. ■



Chen Chen
Marketing Specialist
China

China:

Digital infrastructures for SMART AIRPORTS

Datwyler IT Infra at the 12th China Airport Construction Annual Conference



In the last week of June, the 12th China Airport Construction Annual Conference took place in Shenzhen under the theme "AI and Intelligent Construction". Datwyler IT Infra once again participated as an exhibitor. Together with industry experts and airport construction professionals, the team on site discussed new approaches to the development of smart airports.

As existing airports continue to be expanded and modernised, terminal buildings are becoming increasingly intelligent. This is driving growing demand for reliable, long-lasting and interference-resistant cabling solutions. Drawing on decades of project experience, Datwyler now provides integrated solutions for a wide range of airport applications, including terminals, cargo centres, control towers and utility tunnels. The portfolio includes copper cabling for 10 Gigabit applications, low-smoke zero-halogen (LSZH) fibre-optic cables and, more recently, Single Pair Ethernet (SPE) solutions.

All of these systems are characterised by enhanced fire performance, high temperature resistance and excellent immunity to electromagnetic interference. This makes them ideally suited to the demanding operating conditions of modern airports with high passenger volumes and complex technical infrastructures.

Proven expertise

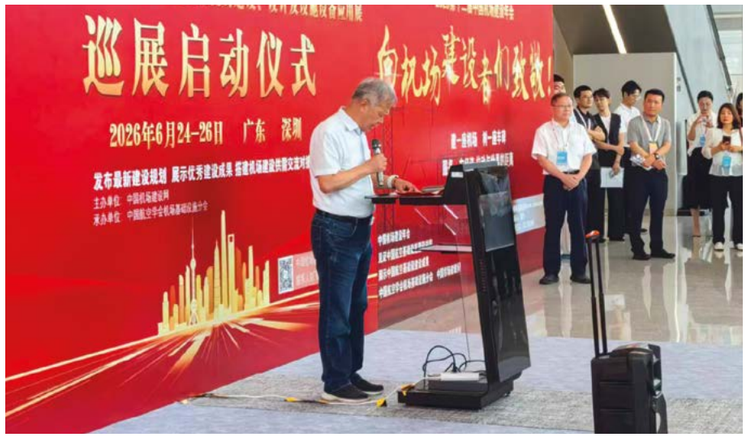
At the exhibition stand, Datwyler IT Infra's technical team presented a number of airport reference projects and shared insights gained from major airport hub projects.

One topic of discussion was the reduction of operating and maintenance costs through standardised installations. The technical exchange, however, focused primarily on current industry trends, including the digital transformation of airports and the intelligent expansion of terminal facilities. The team also presented concepts for secure, stable cabling infrastructures that can be easily managed throughout their entire lifecycle.



At the exhibition stand (from left to right): Gino Zheng, Data Centre Service Engineer, Tan Feijun, National Airport Industrial Sales Manager, and Chen Chen

Opening ceremony



Thanks to globally consistent quality standards and a local technical service network, Datwyler has already completed numerous large-scale airport projects in China. The company's presence at the conference in Shenzhen once again demonstrated its expertise in the field of critical infrastructures.



Chen Chen
Marketing Specialist
China



Malaysia:

SHARING KNOWLEDGE, BUILDING CONNECTIONS

Datwyler IT Infra participated in the BICSI conference in Malaysia.

Datwyler IT Infra played an active role at the BICSI Southeast Asia Conference & Exhibition 2026 in Kuala Lumpur. As a Gold Sponsor of the event and sponsor of the BICSI Cabling Skills Challenge, Datwyler not only supported the conference financially but also contributed to discussions on AI-ready digital infrastructure, data centres and high-capacity connectivity solutions through a keynote presentation.

Together with its distributor N-Communications, the regional Datwyler team also exhibited at the event. Discussions at the joint stand focused on project-specific requirements as well as the latest developments in data centre and network infrastructure.

Network backbones for AI applications

Gowthaman Narayanapillai, Regional Solution Engineer at Datwyler IT Infra, delivered the keynote presentation "Building Malaysia's AI-Ready Network Backbone: Fibre, Speed & Scale". His presentation focused on the growing demands that artificial intelligence, cloud computing and other data-intensive applications are placing on digital infrastructure.

He highlighted the importance of long-term network planning and infrastructures capable of supporting multiple generations of technology, as well as the role of international standards in ensuring scalability, interoperability and investment protection. Other topics included high-capacity fibre-optic infrastructures, data centre interconnectivity (DCI) and Malaysia's growing importance as a regional data centre hub. Narayanapillai also emphasised that, alongside efficiency, sustainability is becoming increasingly important in the ongoing development of digital infrastructure.



Receiving an award from the event organisers in the presence of Datuk Khairul Firdaus bin Akbar Khan, Malaysia's Deputy Minister of Human Resources

As sponsor of the cabling solutions for the Cabling Skills Challenge, Datwyler supplied the materials required for the competition, giving participants the opportunity to demonstrate their technical knowledge and practical skills. Gowthaman Narayanapillai also supported the event as a judge.

Exchanging knowledge across the region

Over the two-day event, the Datwyler team took advantage of numerous opportunities to engage with customers, partners and ICT professionals from across the region. Discussions focused on current infrastructure requirements, emerging developments and the challenges organisations face as they prepare their networks for continued digital growth.



Gowthaman Narayanapillai delivering his keynote presentation at BICSI Malaysia

As artificial intelligence, cloud computing and the expansion of data centres continue to reshape the requirements of the underlying physical infrastructure, these direct exchanges provide valuable insight into how emerging technologies and the supporting infrastructure can be aligned more effectively.



Li Mei Jing
Sales & Marketing Executive
Singapore



Italy:

Experience a smart data centre IN ACTION

A showroom for Smart Modular Data Centres near Modena shows what data security, availability and digital sovereignty look like in practice.



According to GTI, a certified Datwyler IT Infra Solution Partner since 2022, the showroom near Modena is "a response to the growing global demand for compact, scalable on-premises IT infrastructures". Smart Modular Data Centres (SMDCs) such as the system installed here help organisations of all sizes and across all industries ensure digital sovereignty, data security and high availability. At the same time, they can remain independent of public infrastructure, retain full control over their IT systems and minimise latency.

Technology you can experience and evaluate

The showroom, a joint initiative by GTI and Datwyler, enables customers, consultants and industry professionals to experience an SMDC in live operation, explore its configuration options and assess whether this innovative technology meets their specific requirements.

The facility also serves as a test environment where project-specific functions can be validated before implementation. This increases planning reliability and helps ensure a more efficient deployment.



The SMDC installed at the showroom combines all the functions of a modern data centre in one compact solution. The power rack houses the electrical distribution system, a 20 kVA UPS with batteries and additional components that ensure a reliable power supply. The second rack contains the IT systems, intelligent PDUs and sensors for monitoring environmental conditions and access control. The solution is complemented by a 20 kW cooling system as well as fire detection and suppression technology.

Maximum transparency

Key operating parameters, including energy consumption, power usage, temperature, humidity, water ingress, door status and equipment condition, can be monitored in real time. The integrated control system improves energy efficiency, helps prevent outages and protects both the physical infrastructure and the data stored within it. At the same time, it provides complete transparency into the condition and performance of the entire infrastructure.

The facilities themselves provide a professional environment for visitor groups, face-to-face meetings and video conferences.

In addition, the site can be used as an operational satellite office serving central and northern Italy.



Luca Dalla Grana
Managing Director
Italy



Maurizio Truglia
Certified Data Centre Specialist
Italy



Switzerland:

Nothing can replace PERSONAL INTERACTION

On 9 and 10 September, Switzerland's electrical industry came together at Ineltec in Zurich.

Datwyler IT Infra was once again represented with its own stand at Ineltec 2026. The high level of visitor interest and the many technical discussions highlighted the continuing importance of personal interaction in building successful customer relationships.

Particularly strong interest was shown in Datwyler's fire safety solutions, especially safety cables with system circuit (functional) integrity. Discussions at the stand confirmed that fire protection and operational reliability in critical infrastructure environments continue to grow in importance.

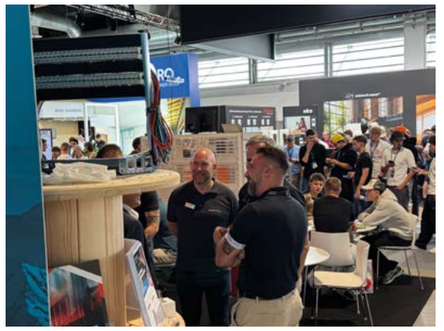
As one of Europe's leading providers in this field, Datwyler was able to gain valuable market insights while sharing its expertise with customers and consulting engineers.



The Datwyler IT Infra team at Ineltec 2026

Fibre shortages raise concerns

Another key topic was the current challenge of fibre availability. Many visitors were interested in reliable supply and planning certainty.



Datwyler is well positioned to address these concerns. Thanks to long-term partnerships and a diversified sourcing strategy, Datwyler is able to provide reliable solutions even during challenging market conditions.

Positive outcome

For the Datwyler IT Infra team, Ineltec was far more than a product showcase. The exhibition provided an opportunity to meet existing customers in person, establish new contacts and gain first-hand insights into current market requirements. It is precisely this direct exchange that continues to make regional industry exhibitions an important touchpoint, even in an increasingly digital world.

At the same time, Ineltec reflects how Datwyler IT Infra operates worldwide: with an international presence while remaining close to local markets.

The many discussions and concrete project enquiries clearly demonstrated the importance of customer proximity, trust and personal dialogue for sustainable business success.



Marco Müller
Vice President
Marketing & Communication
Switzerland

Data centres:

HOW FUTURE-PROOF

is your IT cabling?



Pius Albisser, Senior Solution Engineer for Data Centre Solutions at Datwyler IT Infra

An online training course from Datwyler IT Infra provides the answers.

Digitalisation, cloud technologies and, above all, AI applications are placing new demands on data centres. As a result, existing cabling infrastructure is also coming under greater scrutiny. How much longer can it be used before modernisation becomes necessary? And how can it be prepared cost-effectively for the requirements of tomorrow?

At this year's Data Centre World in Frankfurt, Pius Albisser, Senior Solution Engineer for Data Centre Solutions at Datwyler IT Infra, addressed these questions in a well-received presentation. In the training course, he also examines the technical factors that influence transmission performance, explains current and future Ethernet technologies, and outlines practical approaches to planning migrations and infrastructure upgrades.

The objective is to maximise the value of existing investments while creating a solid foundation for future data centre requirements.

A full recording of the presentation is now available free of charge on Datwyler IT Infra's e-learning platform. It provides interested professionals with valuable insights to help assess their existing infrastructure and make informed decisions about future modernisation projects.

Registration is available via the self-sign-up form on the e-learning platform. Please use the registration code **DATDCWEN** for the English-language version. ■

Start your e-learning journey here.



Ralf Fischinger
Head of MarCom Europe
Germany

INTERVIEW WITH

BENJAMIN KREBS Managing Director DACH at Verkada

ANDREAS WEIDNER Managing Director IT Solutions Europe, Datwyler IT Infra



Physical security:

AI MAKES PHYSICAL SECURITY PROACTIVE

Interview with Benjamin Krebs and Andreas Weidner: AI makes physical security proactive

How is artificial intelligence transforming physical security in organisations? And how can NIS2 and compliance requirements be met efficiently? We spoke with Benjamin Krebs, Managing Director DACH at Verkada, and Andreas Weidner, Managing Director IT Solutions Europe at Datwyler IT Infra, about AI, smart data centres and the art of making physical security as simple as possible.

Mr Krebs, how is AI changing physical security for organisations?

Benjamin Krebs: Security is becoming increasingly important, not least because of regulatory requirements such as the NIS2 Directive, which places stringent demands not only on cybersecurity but explicitly on physical security as well. AI is changing the landscape on both sides. It can help attackers, but more importantly it strengthens defence. Physical security is still often characterised by manual, reactive processes. AI makes it proactive. A fallen employee, someone climbing over a perimeter fence or missing protective equipment can be detected automatically and reported immediately. In some cases, that can save lives.

Documentation and audit requirements have increased significantly. How can Verkada help organisations meet them?

Benjamin Krebs: NIS2 and critical infrastructure regulations require organisations to know at the touch of a button who was present where and when. Verkada addresses this through a single platform, ranging from electronic visitor management with automated reporting, which is far more convenient and privacy-friendly than traditional paper logs, to access control systems that automatically grant visitors access only to authorised areas.

In data centre environments, this can be tracked down to individual racks. Every access event by a service technician is documented through intercoms, access control and video recording, creating a complete and auditable record.

Speaking of data centres, how does this solution complement Datwyler's Smart Modular Data Centres in practice?

Andreas Weidner: There are three key areas. First, rack access management. Every rack opening is logged. Second, integration with video systems ensures that every access event is time-stamped, making compliance with standards such as ISO 27001 or NIS2 significantly easier. Third, environmental monitoring sensors detect temperature, humidity, smoke and unexpected vibrations, triggering immediate alerts in the event of tampering attempts.

Benjamin Krebs: Another major advantage is the architecture. Verkada devices do not require dedicated server hardware. They simply connect via Power over Ethernet cabling. Storage, processing and AI models all run directly on the device. Everything is managed centrally through a cloud-based platform, even across multiple locations.

That sounds remarkably simple ...

Benjamin Krebs: Simplicity is one of our core promises. Security is only effective if people actually use it. Technology therefore needs to be easy to deploy. With our solution, a PoE connection is all that's required. No additional server infrastructure is needed. It also needs to be easy to use in day-to-day operations. Traditional access cards continue to work, as do smartphone credentials, Apple Wallet integration and biometric authentication.

The result is greater convenience for users and a much simpler workflow for security teams.

IT security and physical security are becoming increasingly interconnected. Why is that?

Benjamin Krebs: Many physical security systems still run on outdated IT infrastructure, lacking Active Directory integration, multi-factor authentication or properly patched operating systems. That creates significant cyber risks. Conversely, even the best firewall is of little value if the data centre door is left open. A classic example is doors being wedged open during smoking breaks or deliveries.

Andreas Weidner: Most people have seen this themselves when visiting office buildings or industrial facilities. A door is propped open with a broom or a wooden wedge for a moment and then simply remains open. That's often all it takes to create an opportunity for unauthorised access.

Usually, there is no malicious intent behind it, just convenience.

Yet the risk for the organisation remains significant.

Benjamin Krebs: Absolutely. And these are precisely the kinds of risks our system identifies reliably. If a door contact reports that a door has remained open longer than permitted, Verkada Command automatically generates an alert accompanied by a live video feed.

Equally important is integration with existing systems. Through an open REST API and webhooks, data can be exchanged with SIEM and SOAR platforms, building management systems and HR applications such as SAP, in both directions. For example, if a fire alarm is triggered, emergency exit doors can be automatically unlocked while cameras switch to the security control room for live monitoring.



Power over Ethernet (PoE): security cameras receive both power and data connectivity through a single network cable.

The result is a fully integrated ecosystem rather than a collection of isolated solutions. Even with increasing numbers of cameras, bandwidth usage remains low because video footage is stored locally as the primary storage method. On average, just 20 to 50 kilobits per second per camera are required.

Data privacy is a particularly sensitive issue across the DACH region. How does Verkada ensure GDPR compliance?

Benjamin Krebs: Privacy is built into our solutions from the outset through a Privacy by Design approach. This includes automatic face blurring in both live and recorded footage, which can only be reversed in security-related cases under a dual-authorisation process. We also provide a highly granular role- and permissions-based system, together with a complete audit trail of every access event. Equally important for European customers, all data is stored exclusively in data centres located within the EU, specifically in Frankfurt, Germany. This also makes discussions with works councils and data protection officers significantly easier.

Andreas Weidner: For customers, this creates a very compelling overall solution. Datwyler provides the foundation through its Smart Modular Data Centre, physical infrastructure and cabling system. Verkada complements this with a cloud-based security platform covering access control, video surveillance and environmental monitoring. Together, we deliver a turnkey, highly secure and scalable solution from a single source.

Thank you for this insightful discussion. ■



Marco Müller
Vice President
Marketing & Communication
Switzerland

A powerful combination: Datwyler's Smart Modular Data Centre (SMDC) integrated with the Verkada platform



VERKADA

Verkada develops AI-powered physical security solutions that integrate seamlessly into a single cloud-based software platform. Its portfolio includes video surveillance and access control systems, intercoms, intrusion alarms, air quality sensors and workplace management solutions. More than 25,000 organisations in 85 countries rely on Verkada's physical security systems, which are designed to simplify management, enable intelligent control and support scalable deployments.

www.verkada.com

DATWYLER IT SOLUTIONS

Datwyler IT Solutions is a business segment of Dätwyler IT Infra AG and operates throughout the DACH region as a full-service provider of integrated information and communications technology solutions. Its core activities cover networking, cloud, workplace solutions, security, communications and data centre infrastructure.

www.datwyler-itinfra.com > IT Solutions



Copper data technology:

FLEXIBLE CABLE

for outdoor applications

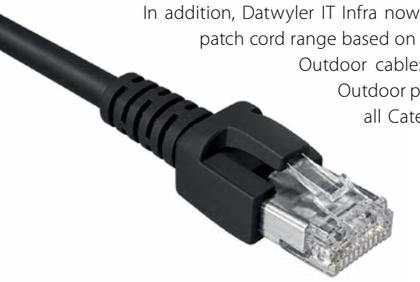
Datwyler IT Infra's proven Category 7 patch and connection cable CU 7702 4P flex TC is now also available with a polyethylene (PE) sheath. The PE sheath gives the CU 7702 4P flex TC Outdoor excellent robustness and high resistance to moisture, making it ideal for outdoor installations.

Typical applications include the connection of EV charging stations and cameras mounted on building façades, outdoor installations on buildings in general, and network cabling in damp environments.

For outdoor use, the CU 7702 4P flex TC Outdoor carries a CPR classification of F_{ca}.

Also available as patch cords

In addition, Datwyler IT Infra now offers a new outdoor patch cord range based on the CU 7702 4P flex TC Outdoor cable: the RJ45 Cat.6_A (IEC) Outdoor patch cables. They meet all Category 6_A requirements and support data transmission rates of up to 10 Gigabit Ethernet (10 Gbit/s).



The patch cords are manufactured in Switzerland and assembled in the Czech Republic. High-quality RJ45 connectors, robust weather-resistant cables and meticulous manufacturing ensure reliable performance and long-term operational reliability, even under demanding environmental conditions.

They are available from stock in 15 different lengths ranging from 0.5 m to 20 m. Black is the standard colour.

The data sheets are available on the Datwyler IT Infra website.



Ivan Corsini
Product Manager Copper Data Cables and Industrial Europe
Switzerland



Copper data technology:

MORE COLOURS, MORE LENGTHS

Following positive customer feedback, Datwyler IT Infra now offers its RJ45 Cat 6_A (IEC) proflex patch cables with optimised flexibility in bending in four additional colours and a wider range of standard lengths.

In addition to grey, black, yellow, blue and white, the Category 6_A patch cords are now also available in red, violet, orange and green.

They can be ordered from stock in the following lengths: 0.5 m, 1 m, 1.5 m, 2 m, 3 m, 4 m, 5 m, 7.5 m, 10 m, 12.5 m, 15 m and 20 m. Each cable is supplied in a recyclable cornstarch bag.

Additional lengths are available on request.

The data sheet and a flyer are available on the Datwyler IT Infra website.



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