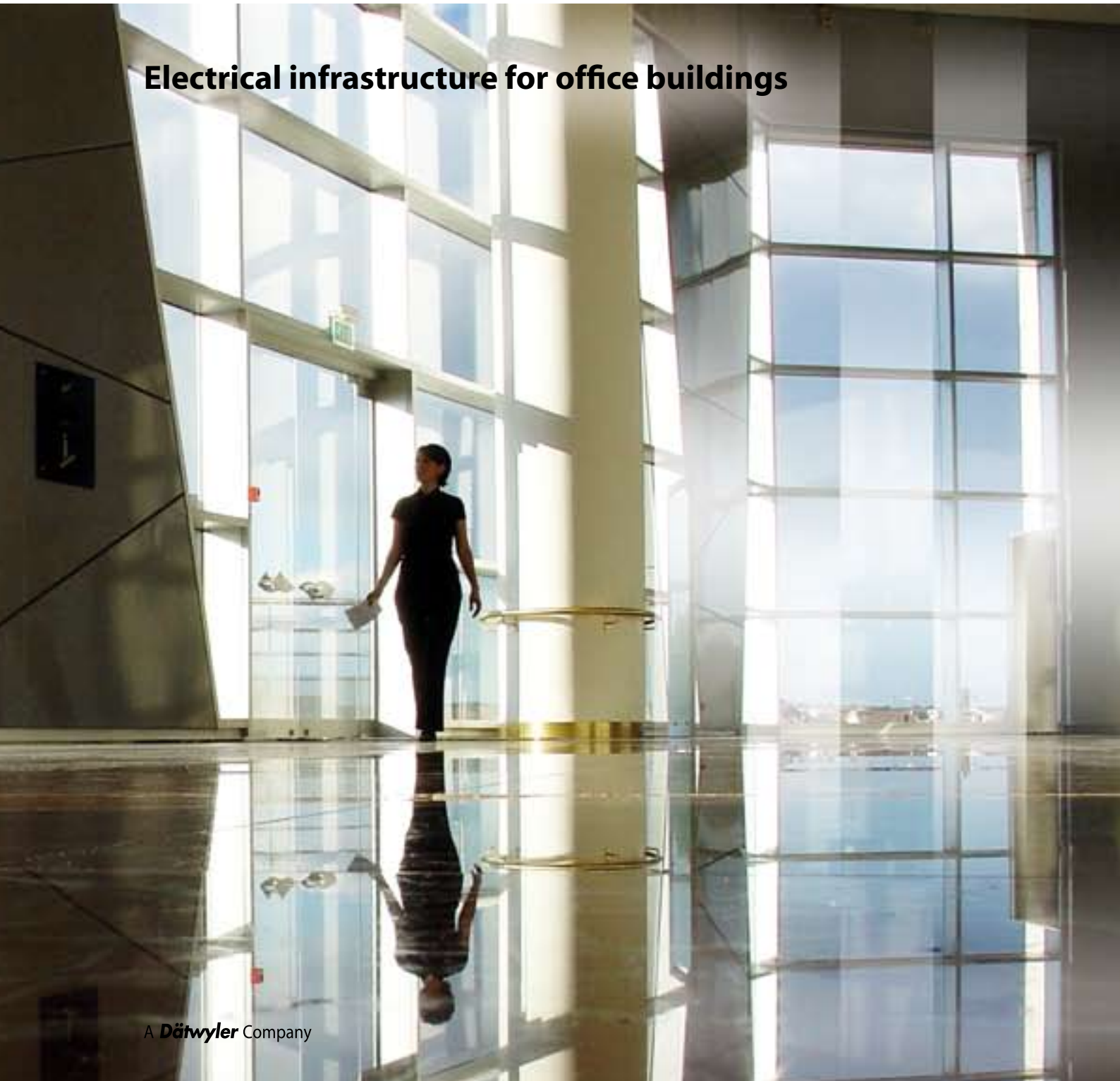


Today's systems for the office of tomorrow

Electrical infrastructure for office buildings



Come in!



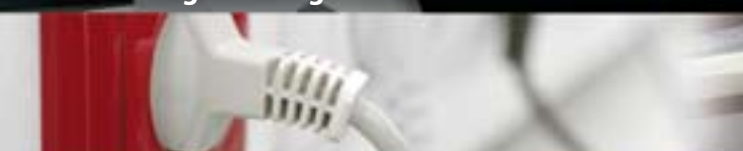
TV/Video/Multimedia



Wide area internet access



Light settings



Flexible current supply

Be convinced at first glance



It is true, the first impression will always be the most important. You may enter your office reception area with a new prospective customer, and wonder how your colleagues have so quickly managed to make the necessary alterations to demonstrate your new products. In the past, it has taken several weeks just to decide whether your in-house electrician or your external service provider would make these changes for you!

Today, this can all be done in blink of an eye! Your in-house electrician has utilized the new connections and cables which have been installed within the suspended ceilings. Digital signage screens are connected via the WLAN Access Point. Even some light settings have been installed at short notice to further emphasize the new product range.

You are as impressed as your customer is!

It had certainly been the right decision to install the new cabling infrastructure. This way, it is possible to use the reception area for future product demonstrations. The design elements of the last demonstration are still available and it is possible to replicate them anywhere without delay.

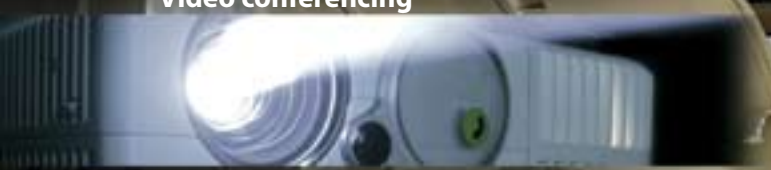
Maintain discretion!



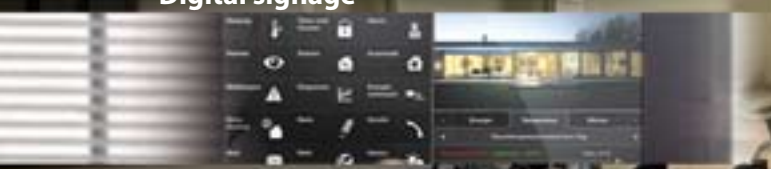
Multimedia column



Video conferencing



Digital signage



Environmental controls



The design always remains invisible!

A meeting is scheduled in the conference room tomorrow: A short video conference, the presentation of a new campaign and the viewing of the new corporate video are on the agenda.

Fortunately, it is not necessary to perform time-consuming technical preparations. The new conference room has already been designed to provide all of these facilities. Previously it had always been necessary to consult a technical expert in order to enable all of the devices and connections you would need. Today, no additional time need be scheduled to prepare for your meeting.

The new cabling infrastructure has considerably reduced the need for preparation time. In addition, your meeting delegates feel more comfortable, and have access to all of the resources they would have at their own place of work.

The power and data outlets are hidden within the conference table, and there are no more trailing cables or floor boxes. Data projector, cameras and microphones can be fitted discreetly, and thanks to the new multimedia cabling digital images are of the highest quality. Marketing teams can upload the corporate videos easily via the data cabling, either on to the laptops of the meeting delegates or on to the digital signage media.

If the light from the sun is disturbing the meeting delegates or causing reflections on the digital screens, the sunblinds and the lighting will automatically adjust, as it is possible to alter the room settings through a hidden keypad.

Your accomplished partner for the electrical building infrastructure

Our leading edge innovations are designed to enhance your developments and your return on investment. Being at the forefront of technology, we implement overall solutions for electrical building infrastructure that will offer a unique price/performance ratio, and ensure future proofing against future technology updates. Each customer-specific design is based upon the proven skills, decades of experience, and up-to-the-minute knowledge of our specialist technical team.

We offer bespoke and complete building solutions for any customer-specific applications. Beginning with careful consultation, through to planning and installation, advice, training and support are vital parts of our services. Dätwyler Cables hold full stocks of all cable systems, and are able to guarantee short delivery terms. Our technical teams are also always on hand to assist with any queries in a clear and helpful manner.

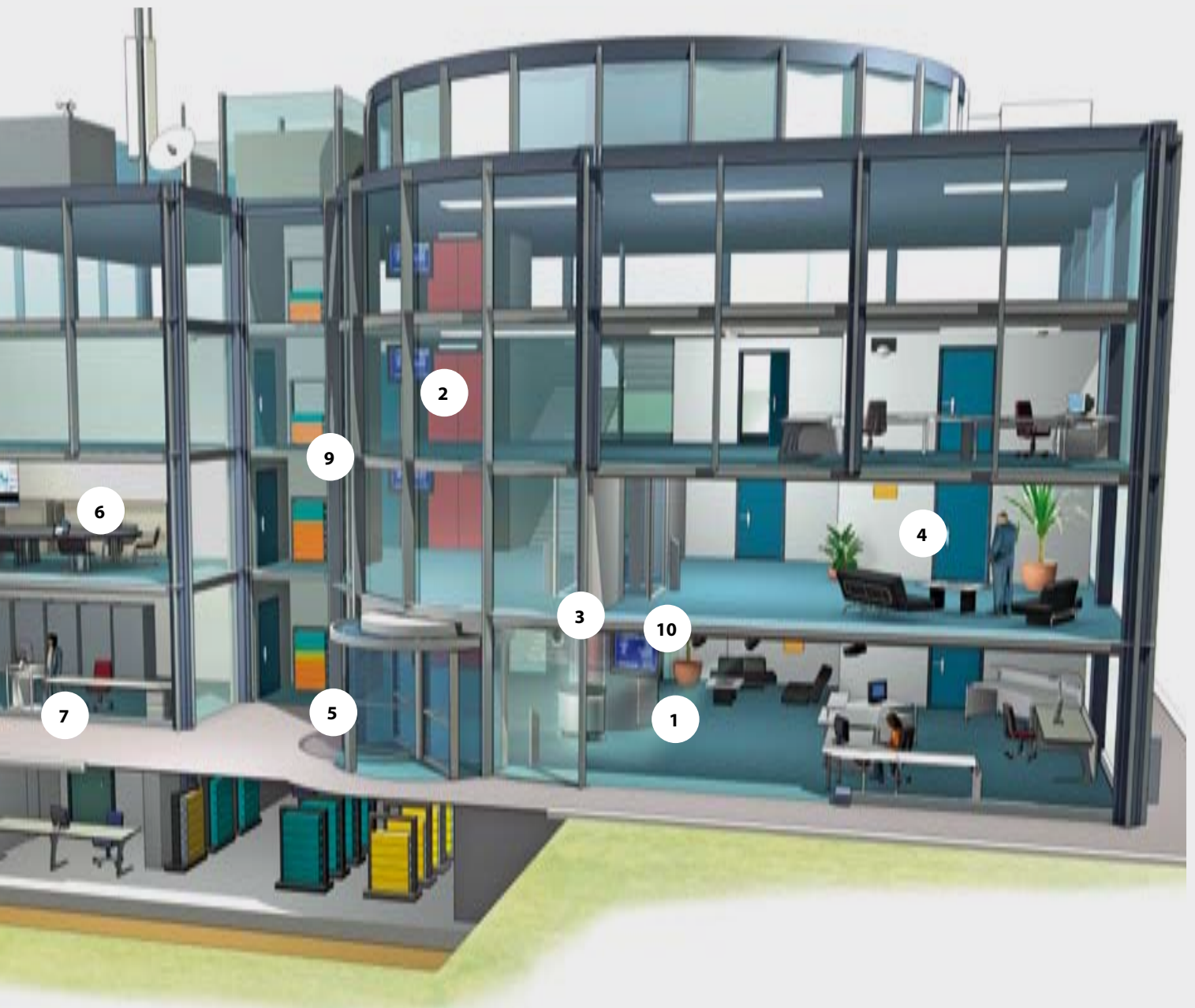
Year after year, we invest in even better material and process engineering, resources and test methods. The results is that our system solutions are in advance of the applicable standards, and as always, we are setting industry benchmarks. The important functions that our solutions need to comply with in practice require maximum possible safety and reliability. We test and compare all products with the most stringent quality standards before delivering them to the customer.

The highest level of quality is constantly demanded of our employees, and is our guarantee to our customers.

- 1 Reception areas
- 2 Building navigation systems
- 3 Environmental monitoring
- 4 Public meeting rooms & waiting areas
- 5 Access control
- 6 Conference rooms
- 7 Hotdesking
- 8 The perfect network
- 9 Fire safety
- 10 Digital signage



Applications



Applications in the office environment



Reception areas

Using the Plug-and-play systems within the ecobus range, it is now possible to quickly and efficiently adapt the electrical design of any reception area. Installations can mirror those deployed within an exhibition environment, by adding multiple light settings for different campaigns.



Building navigation systems

For visitors to large buildings, who are looking for a certain Company or contact in-house, information screens are placed strategically in order to guide them to the correct lifts. The lifts are connected via the dynofil® lift cable, and automatically stop at the designated floor, so that visitors can arrive at the correct floor to be guided again by local information screens.



Monitoring

Using optofil fibre networks, it is possible to add CCTV monitoring and sensors throughout a building or campus, thus providing the ability to trace the whereabouts of staff and visitors.



Public meeting rooms and waiting areas

For waiting visitors and busy common spaces, digital signage screens can be connected to the office LAN using unilan® catTV, enabling the Organisation to play company videos and presentations. Dätwyler Access Points allow the visitors to also access the Internet, ensuring that any waiting times are not wasted.



Access control

At building and area entrances, access control and biometric monitoring systems are integrated into the unilan® network by means of special clients. To increase building security, access may be granted or denied to specific staff or visitors; changes to which can be made real-time.



Conference rooms

Video conferencing can be scheduled and digital signage can be updated to show real-time events through connection to Datwyler data. By means of Dätwyler multimedia columns, each conference desk can offer each meeting participant access to the LAN, video conference imaging and to power supplies.



Hotdesking

Workspaces are climatically and technically adapted to suit the individual office based employee. When field based staff visit their local Company offices, through the use of patch cable management unilan® View, it is possible to rapidly and easily adapt the network infrastructure to suit the visiting user. This quickly enables a fully usable workspace with the individual's own settings and preferences.



The perfect network

The more precise and efficient the business processes of any Organisation, the easier it is to support each individual through automatic procedures and EDP. A high-capacity and future-proof unilan® data network provides the infrastructure upon which these processes are based.



Safety in case of a fire

Emergency lighting, escape routes, tannoy systems, fire alarms and fire fighting systems are of the utmost importance in keeping damage to people and property to as little as possible in the case of a fire. Systems are supplied with energy via pyrosys® safety cable systems E30-E90, and even data systems are protected accordingly.



Digital signage

Within reception areas, common meeting spaces or workplace canteens, digital signage screens enable Organisations to continuously inform the employees and visitors of any current and new information. This may include Health & Safety updates, details on new employees, meeting agendas or employee contact details. Also displayed may be external news feeds and web pages.

Invest in integrated solutions!

If you are searching for system solutions for your electrical building infrastructure, by choosing integrated solutions, you will ensure a sound return on your investment. There are strong advantages for all parties involved in the project – the building owner or investor, the electrical design team, the installation team, and the users and operators.

Being the owner or investor, you will benefit from integrated future-proof cabling systems through a one-time installation, thus reducing long term costs. From the outset, the cost of products and installation charges will be greatly reduced. Additionally, you have the guarantee that components have been tested and largely assembled prior to arrival on site, thus ensuring an error free installation.

Multiple installations can be avoided, thus saving valuable labour time, as is wasted materials as exact measurements can be used.



Secure a long-term ROI!

As part of the consultation process, further care and attention should be paid to the requirements of the end users or operators of the new building. Additional requirements can be accommodated at planning stage.

One thing is for sure: The more effective and efficient your cabling infrastructure is, the happier your end users or operators will be.

High-quality system solutions such as these will still offer the necessary stability, reliability, performance and flexibility in 10 or 15 years after the initial installation. This will ensure the strongest return on your investment, and will be fully supported by Datwyler manufacturer warranties.

Your building automation system should offer the option to integrate all control room functions such as heating, ventilation, air conditioning, lighting and cooling. Intelligent systems will enable night and weekend services, to reduce the energy usage for your building during periods of shut-down or minimal operation. This system enables substantial energy cost savings.

Modern systems combine central control and monitoring options for large plants, using features for the individual users.

Intelligent cabling solutions in the field of data technology, building automation and energy supply will enable efficient usage changes to be made at any stage in the future. The building infrastructure should be designed so that the future requirements of the end-users can be easily accommodated.



Advantages at a glance

Increasing the ROI

- Cost saving when purchasing the products and systems
- Exact measurements can be used therefore substantially reducing waste

Long-term investment security

- High attractiveness for building tenants
- Investment protection thanks to high quality solutions and corresponding warranties
- Integration of all room functions
- Energy savings
- Central control options
- Rapid and efficient alterations for future changes of use

Reduce the costs for design and planning!

When designing and planning systems for the electrical building infrastructure, it may be useful to engage the systems manufacturer. By taking advice and support from the very start, we will be able to help you to reduce your costs as much as possible.

At Datwyler, we are able to offer important information and decision-making criteria for the communication cabling. As the manufacturer of both copper and fibre cabling systems, we will be happy to provide advice on cabling, connection techniques, components and designs that are best suited to the meet current and future requirements.

We will also be happy to provide support and advice in the fields of building automation, functional integrity and lift cabling. In all environments, we are able to offer the benefit of our experience from hundreds of projects, and many useful hints for implementation that will save time and money.

The most efficient route to assessing your client's requirements is always to carry out the evaluation yourself. The proof that our support is always welcome is demonstrated by the increasing number of participants of our designer training every year.

Use our expert advice service!

Aspects such as performance, reliability, future-proofing and flexibility play a vital role in your design which is as important as complying with current standards, rules and installation regulations. Expert advice and support are included within each of these aspects. Thanks to our active cooperation in decisive standardisation committees, we are also able to inform you regarding future standards.

During the design phase, we are able to offer you an accomplished suite of products and systems for any development. This layer-spanning solution starts at the primary layer (feed, infrastructure supply, etc.) through the secondary layer (energy distribution, communication infrastructure, central/decentral control, interfaces to different services), up to the tertiary layer where flexible, adaptable floor connections for wired and wireless systems are concerned.

Our support during the construction phase also includes coverage by system warranties and by external system tests, as well as decision-making aids regarding the design for future alterations.



Advantages at a glance

Reducing the effort of the planning and projecting by

- expert advice and support with the original electrical building infrastructure concept
 - energy
 - communication
 - building automation
 - safety
- system warranties
- external system tests
- adaptable systems for future alterations



System installations



For installation companies, the choice of the system manufacturer may be the decisive factor in carrying out works quickly and efficiently, and thus ensuring that the customer will be completely satisfied with the result.

You will soon realise that our systems offer many advantages. Our installers are repeatedly emphasizing the installation stability and easy assembly of our cabling systems.

During the design and specification phase, clients choosing our product set will benefit from an unrivalled level of support. Furthermore, you can access our catalogues and detailed datasheets online at any time. Training opportunities and manuals complete the offer during this phase.

When purchasing the materials, the installer will profit from many "base-to-field advantages":

We have manufacturing in central Europe, local warehousing and technical support, and further substantial stock throughout Europe. As such, for either scheduled or fast turnaround deliveries, we offer a comprehensive logistics service.

Should our assembly instructions be insufficient, or if there are any unexpected challenges on-site, we will also be glad to help you at short notice on-site.

Rely on systems that are designed for an easy and rapid installation! Using our perfectly adapted, tested cabling

Guarantee your time and cost savings!

solutions, we will help you to be able to react to late contract awards and short installation times.

For backbone cabling we offer pre-assembled fibre optic systems which can be installed neatly and efficiently. Furthermore, we have developed a two-stage FO-distributor that assists considerably with Installations within the data centre environment. All preassembled FO cables are delivered in safe protective tubes.

For high-performance copper cabling, cabling solutions are available up to class F_A. Our data modules can be terminated without using special tools, thus enabling greatly reduced short installation times.

Our halogen-free flat cable systems – also available with the protection class IP65 – can be configured with both power and bus-data circuits. Plug-in or screwed adapters allow outlets to be produced at any position without need to interrupt the cable. This way, even short-term flexible installations can be implemented rapidly.

Do you need complete safety cabling systems with integrated functional integrity E30 to E90? Our systems offer many tested installation opportunities, which are far beyond the classic installation techniques, and which allow you to realise considerable material, time and cost savings.



Advantages at a glance

Reducing installation time, material and commissioning costs of systems by

- comprehensive advice and support from design to construction phases
- tested, standard-compliant complete systems for any task
- highly stable installations
- preassembled systems
- rapid, easy assembly
- commercial installation techniques
- easy, flexible system extensions
- considerable material savings

High quality is the best policy



Owners or tenants of an office building will be concerned that the electrical building infrastructure complies with their current and future requirements.

The most important aspects here are long-term durability, high operational safety and low operating costs. Furthermore, the cabling systems should be designed from the outset using methods that enable easy alterations and the flexibility to make changes for different users and changing environments.

You may think that such systems had not been invented yet?

With hundreds of installations and many years of experience, our systems are proving that whether it is in the field of data networking, building system technologies or energy supply, that they fulfill such exact requirements. The stability and high performance for instance lead to long operating times. Central control and monitoring of automated systems enables lower operating cost. Thanks to the sophisticated design, these systems allow easy commercial changes of usage, additions and moves to be made without any problems.

Using the right infrastructure many options are possible.

Future-proofing and long-term durability

Would you like to be in a position to optimise your energy consumption at any time by making the settings available on your desktop and to then perform the necessary adaptations?

Are you planning to install central lighting control, which will then be integrated with climate systems?

Would you like to use your network not only to transfer data and speech but also cable TV, CCTV, Power over Ethernet and to integrate other options?

Are you planning an infrastructure that allows you to convert your entrance hall to an exhibition space? Would you like to send easy-to-operate multimedia offers to the waiting areas and conference rooms, or to the canteen common spaces? Would this help you to implement hotdesking at any working place?

Are you intending to integrate an easy to use access control and time recording system? Would you like to implement a secure site system giving different rights of access to staff and visitors? Would you like to install building navigation systems based on displays or with voice output?

Do not hesitate to contact us and discuss these requirements.



Advantages at a glance

- High performance
- Long term error free usage
- High operating safety
- Transparent energy consumption
- Reducing energy costs
- Low operating cost
- Flexible, commercial changes of use and additions

References



Sony Center | Berlin



Commerzbank, Main Tower | Frankfurt



ICC | Hongkong





furt am Main **Dexia BIL** | Luxemburg



T-Mobil Center | Vienna

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