

# Cable Management by OBO®

Intelligent solutions for tomorrow's  
energy and data infrastructure

think orange.  
think connected.

**ACKERMANN**  
CABLE MANAGEMENT

**DAHL**  
KANAL

**OBO**  
BETTERMANN

# Think connected.

Integrated thinking for perfected solutions in all areas of electrical installation.

In other words, Cable Management by OBO: Intelligent, flexible systems for tomorrow's energy and data infrastructure For industrial and infrastructure projects, as well as residential and commercial constructions of every magnitude. One goes hand in glove with the other – from highly stressable cable carrying systems to functional underfloor and conductor routing systems with optimally matched installation systems through to the OBO Construct KTS planning software. Our broad range of functional maintenance, MLAR and fire-proofing systems guarantee the required speed.



## Cable carrying systems

The extensive OBO KTS range offers a broad spectrum of different product lines, from cable ducts to wide span systems through to light carrier rails for practically every field of application. The product range comprises cable carrying systems from quality galvanised steel, as well as variants from stainless steel materials.

OBO also offers solutions for special-purposes applications. These include made-to-measure and special designs, as well as cable carrying systems with extremely resistant plastic coating for optimised corrosion protection in aggressive atmospheres. The KTS product segment is rounded out by a range of practical accessories.



### Fire protection systems

Preventive fire protection is key to guaranteeing safety in buildings. OBO offers a complete range of professional products for every application in building protection technology – Cable Management offers you well-engineered function maintenance and MLAR systems.



### Cable routing systems

The technical infrastructure of industrial buildings, offices and even residential buildings is becoming increasingly complex and is calling for cable routing and device installation. OBO offers an extensive range of future-oriented solutions that meets every requirement for flexibility and design as well as functionality and ease of installation. LFS systems from OBO and Ackermann are complemented by the perfectly compatible EGS installation device systems.

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### Installation device systems

The modern installation device systems from OBO will win you over with their high degree of functionality and attractive shape. The range includes practical product and design lines for every conceivable use and application.



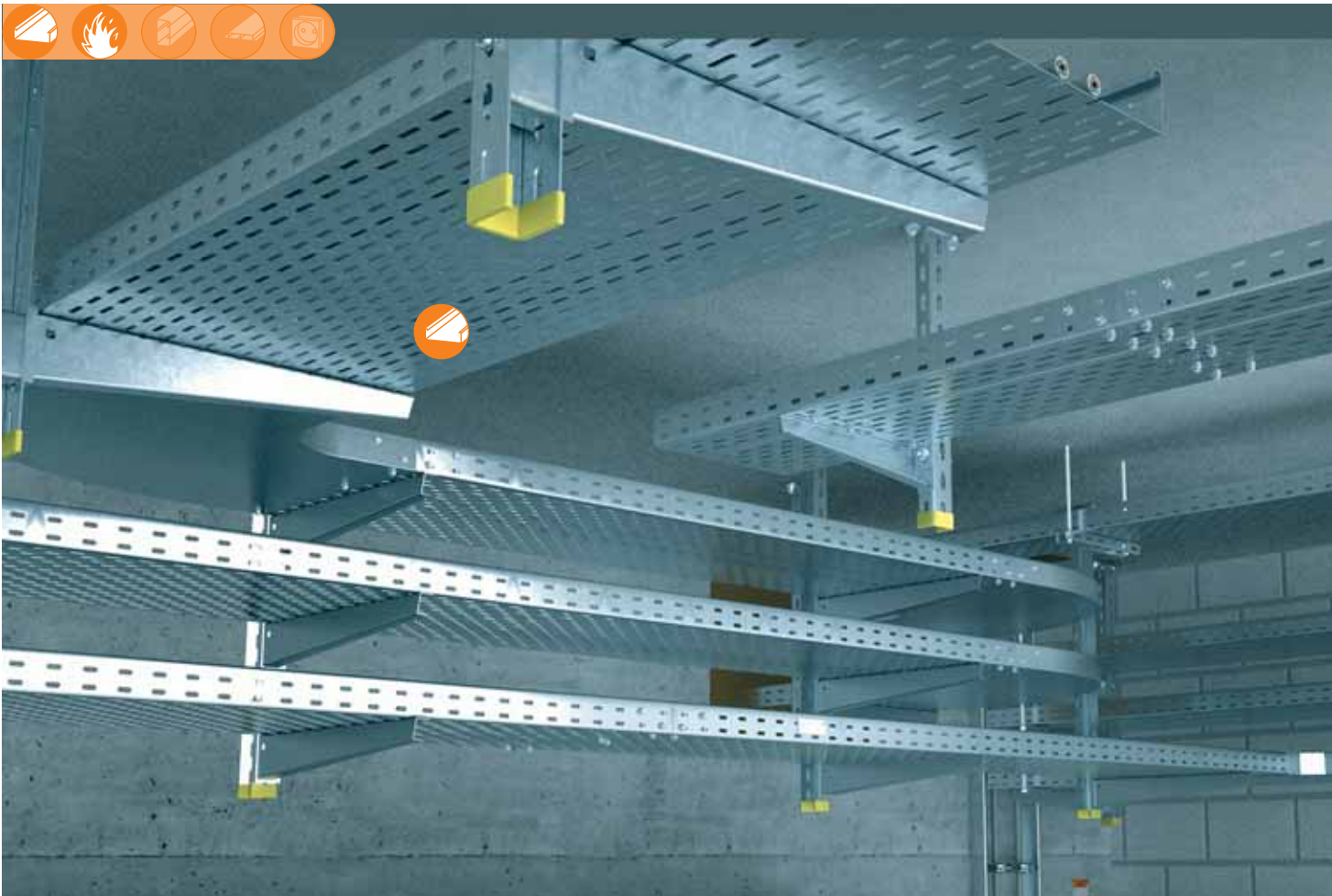
### Underfloor systems

OBO and Ackermann underfloor systems offer convenient, safe access to power supply, internal and external data networks as well as to telecommunications equipment. Extremely elegant: the cable routing system concealed under the floorboard. The complete OBO and Ackermann range includes solutions for every type of floor system and field of application.



# Cable Management by OBO® for industrial and infrastructure projects.

Industrial and infrastructure projects such as railway stations, airports, etc. place the most stringent requirements on the flexibility, carrying capacity and reliability of installation systems. This is where OBO scores with highly efficient systems that integrate perfectly with each other. The range spans from heavy-duty cable conductors to lightweight mesh cable tray systems and corrosion-proof stainless steel systems. OBO's superior product quality is complemented here by a comprehensive range of professional service and consulting services.



## Installation systems

User-friendly OBO installation systems simplify the swift and safe installation of a number of different cable support systems. The complete range offers optimised solutions for all "weight classes", as well as for all types of fastenings to ceiling, wall and floor.



## Mesh cable tray and cable duct systems

Fast as lightning to install, OBO is offering the cable duct and the highly stressable cable duct system as professional solutions for horizontal and vertical cable routing in almost every field of electrical installation. A complete installation range with system components for all problems and special-purpose applications.





### Cable conductors, wide span and ladder systems

Extreme load rating combined with efficient ventilation – just two of the many benefits offered by OBO’s user-friendly cable conductor, wide span and ladder systems – ideal, for example, for installing energy lines and entry cables. Other plus points: a wide range of dimensions and extensive system accessories.



### Light carrier systems

OBO’s universal light carrier system simplifies the installation of lighting systems in a host of different areas. The programme spans various surface designs, from the galvanised type for industrial construction through to the colour-coated versions intended, for example, for sales and presentation areas. Other benefits: simple cable routing and optimised light positioning for the best possible effect.



### Function maintenance and MLAR systems

Safety devices must be supplied with power, even in the event of fire. This is the job of OBO function maintenance systems. OBO MLAR systems guarantee that escape and rescue routes are safe to use at all times.

### Rail systems

OBO rail systems are the multi-talent in cable management. They are the ideal solution for a host of applications. To name just one, they can be used in combination with OBO cable clips and individual installation systems to guarantee function maintenance.



# Rating “Highly sophisticated”: industrial and infrastructure installations.

No two projects are alike. This goes for large industrial plants, infrastructure installations such as railway stations, airports and power stations, as well as large-scale projects in the leisure and sport industries. For years now, OBO systems have been tried and tested all over the world, thanks to their functional safety, reliability and flexibility. They make an important contribution to the smooth, safe functioning of highly-complex technical plants and installations. Day by day. Year on year.



## Infrastructure projects

Long distances. Complex structures. Sophisticated technology. Immense energy requirements. Stringent safety laws. Infrastructure projects always pose a huge challenge when it comes to electrical installation. Wherever there is a high throughput of people, electrical plants, communication equipment and data networks must guarantee to function, even under extreme conditions. OBO's professional cable management systems are design to meet the exacting demands of sophisticated infrastructure projects.

OBO can cite a plethora of examples to substantiate the reliability and efficiency of its installation systems. The range of impressive references spans Frankfurt, Athens, Paris, Munich and Zurich airports to ICE terminals and other railway installations, suburban train and subway intersections in many German and European cities through to immense exhibition halls, large hotels, furnishing houses and large clinics. OBO systems demonstrate their quality wherever high-performance is required.

## Industrial plants

No two industrial plants are alike. Different manufacturing sequences call for solutions matched specifically to requirements – this goes for electrical installation applications, too. Only an efficient electrical infrastructure can ensure an uninterrupted energy supply to machinery and production plants and hence guarantee smooth manufacturing processes. A high degree of flexibility is key. This demands a professionally organised, future-facing cable management system that also offers every option for expansion and alteration. A contemporary workflow that benefits from the speed of modern data transmission also calls for well-thought-out and functional cable networks.

Another aspect of industrial plants is fire protection and this must also be considered in electrical installation. Cable Management by OBO offers tailored solutions for all industrial sectors – including special designs such as cable support systems from stainless steel for installation in highly aggressive atmospheres.

Numerous challenging industrial projects both at home and abroad are testimony to the efficiency of OBO Cable Management: from the new BMW plant in Leipzig to logistics centres in different industries through to chemical plants in Thailand and the Philippines.



## Power stations and energy supply

Power stations and energy supply plants are impressive, not just by virtue of their sheer size, but also because of the performance characteristics they frequently boast. Here, energy plays a key role. As does safety, as a functioning energy supply is today's basis for practically every aspect of our business, cultural and social life. Power station and energy supply projects place enormous demands on the carrying capacity and functionality of conductor routing and cable support systems. This is where the quality of professional cable management solutions come into their own.

Numerous projects both at home and abroad pay testimony to OBO BETTERMANN'S experience and expertise. These references include the natural gas storage facility in Berlin, the combined heating and power station in Mühlhausen near Stuttgart, the Niederaussem brown-coal-fired power station near Cologne, as well as other power station projects in Europe and the Middle East. We will be happy to send you our latest list of references.

# Cable Management by OBO® for residential and administration buildings.

Modern building technology and more Modern building technology and higher demands on living comfort have fundamentally changed electrical installation in private houses and residential buildings. The days of “just a few sockets and switches” are long gone. Nowadays, links to modern telecommunication and data services are a must, even in private dwellings. The same goes for administration buildings that have to be equipped not only with an efficient power supply, but also with complex data and communication networks.



## Rapid skirting duct system

Creating the maximum of space in the smallest of rooms – this is the benefit offered by OBO's Rapid 45 duct: compact design with 45 mm cover, high-quality aluminium body, anodised or coated to RAL, also available in white plastic or aluminium-look, fast device installation without sockets.



## Device installation duct systems

Choose from a range of profiles and duo-ducts with separate data section. All RAL colours, powder-coatings and special lengths of up to 3 m (up to 6 m for aluminium) are possible. The elegant systems are complemented by a space-saving and fast-installation range of devices in the Modul 45 adapter technology.





### Media columns

Media columns are particularly suitable for administration buildings and offices. Installed at intersections or at the workstation itself, they can be easily “tapped” at any time. Flexible solutions in true OBO style: functional, elegant, in different profile variants and lengths of up to 6 m. In all RAL colours or anodised and fully pre-assembled and pre-wired on request.



### Underfloor systems

The underfloor systems lend OBO's Cable Management real style. They are concealed in the floor and make power, data and telecommunication networks invisible. Data floor outlets and/or media columns guarantee perfect connection options. This product range spans topping-covered ducts to topping-flush systems through to double and false ceiling ducts.



### Modul 45 range

Extremely compact and quick to install: Modul 45 type installation devices. Switches and sockets are simply clipped into position, – and remain available at all times should the installation be modified at a later date. Can be used for device installation ducts, underfloor systems, media columns and deskbox.



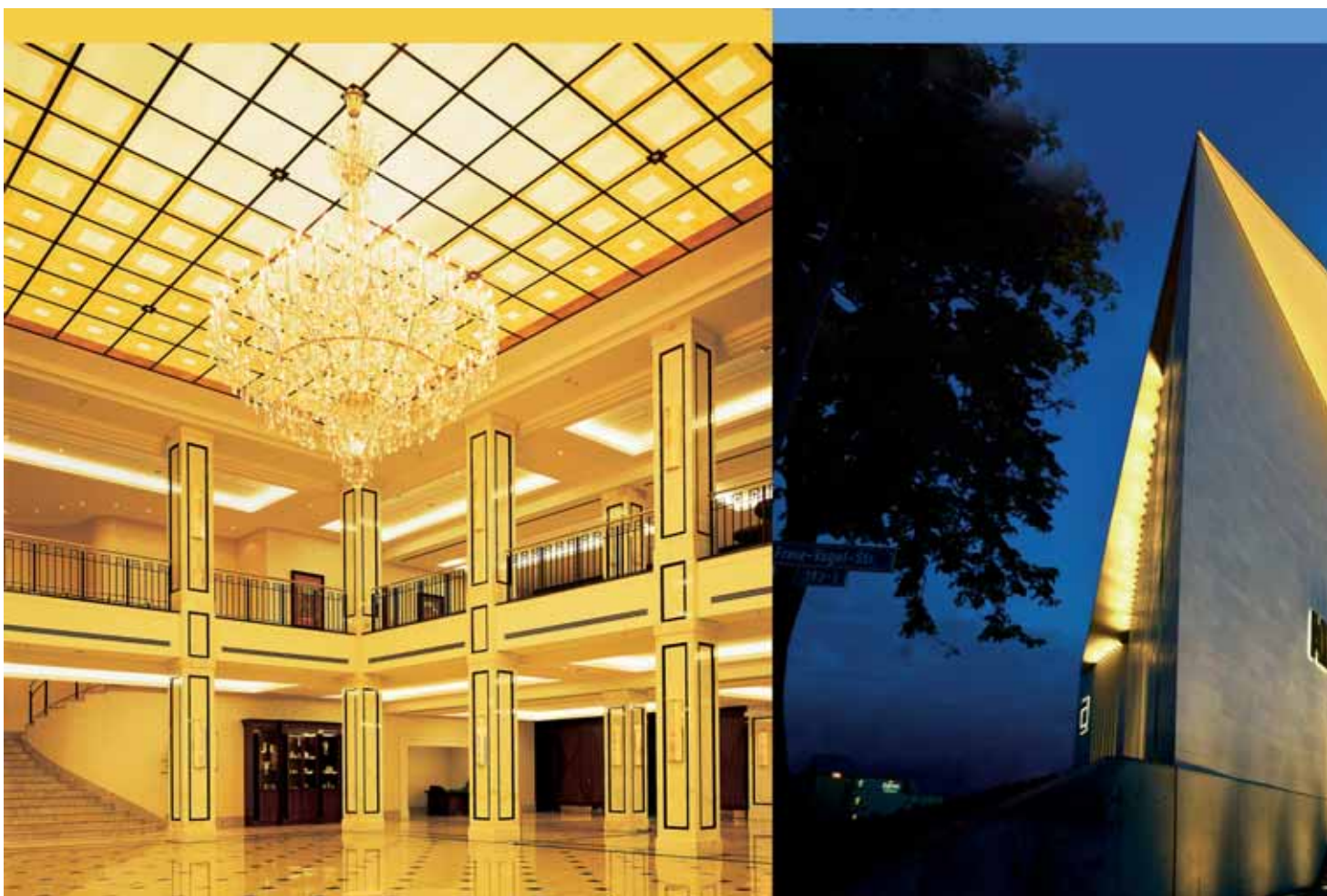
### The final metre to the desk

Flex duct and deskbox mean the final metres to the desk can also be bridged easily and intelligently. Flex duct routes cables to the desk, deskbox brings data and communication connections, sockets and switches elegantly and functionally within reach.



# Work safely and live comfortably with OBO systems.

OBO Cable Management products have been tried and proven for many years in numerous residential and administration buildings around the world. Systems guaranteeing that we can work safely and comfortably. Modern buildings are growing in complexity, because future-oriented building system technology requires a highly efficient electrical installation. OBO's bespoke solutions provide the ideal basis.



## Residential and administration buildings

Dubai: 100 kilometres of cable support systems. Berlin: ten kilometres of cable routing systems. Nuremberg: 1,500 installation devices. Munich: 7,000 m of underfloor ducts, 1,500 underfloor connection sockets, over 1,000 stainless steel casettes. These numbers demonstrate the extent to which the demands on a contemporary electrical installation in modern administration buildings have grown. Thanks to the perfect alliance between engineering, production and logistics, OBO is able to perfectly execute even highly-complex projects.

Numerous examples pay testimony to the expertise and abilities of OBO and Ackermann in this specialist field, too. These examples range from office buildings of the German Federal government in Cologne, Bonn and Berlin to the European Parliament in Brussels to office complexes of renowned organisations such as IBM, Commerzbank, Gruner & Jahr and Deutsche Telekom.



Technical equipment in private houses and residential buildings is also growing in complexity. As well as the power supply, telecommunication and data networks for e-mail and the Internet are also playing a greater role. This is where OBO scores, with experience garnered from large-scale industrial and infrastructure projects. The flexibility and adaptability of

OBO Cable Management systems create solutions that are perfectly matched to individual requirements in this field, too.

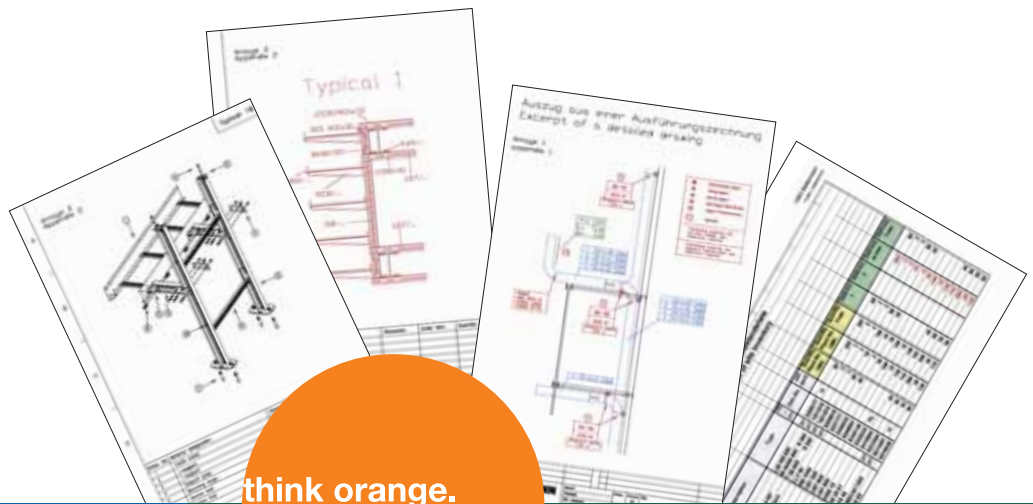
# If you have big plans, you need a strong partner.

True to this motto, OBO project and system technology professionals realise cable management solutions of every magnitude for industrial and administration buildings and plant engineering and construction, where the most exacting requirements are placed on quality, functionality, flexibility and professionalism. Benefit from our experience as a global group with branch offices and agents in over 50 countries around the world. The planner is our partner.



## **We understand your plans. We have professionals with a keen sense of the unusual**

Experience, expertise and the feeling for the peculiarities of a project. Our specialists are your reliable and professional partner at every stage of a project. Bespoke planning is a challenge that our project and system technology professionals enjoy squaring up to every day.



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think connected.



### **We understand your visions**

#### **Interdisciplinary engineering benefits from synergies**

An experienced supplier of complete electrical installations, OBO sees every project as a whole. Interdisciplinary engineering under just one roof creates the ideal preconditions for perfect solutions that take every aspect into account. Proprietary manufacturing facilities both at home and abroad enable every special solution and bespoke product to be created.

### **Think, plan, make**

Everything about Cable Management by OBO revolves around good connections. And that doesn't only apply locally on site, but also in the wider sense to project management within the OBO organisation. The direct association between planning, engineering and production, coupled with an efficient IT system guarantee a high degree of flexibility and swift reactions, from the first planning stage right through to realisation.

# Think orange. think connected. Strong brands under one roof.

Just when you think you have achieved a lot, it is time to take the next step. This flexibility has been the core of our thoughts and actions for almost 100 years. Combining tradition with vision – that's "think orange". As system manufacturer, OBO's thoughts and actions are more integrated than ever before. The ability to do this is the basis of complete solutions for building system technology. Connect products with system solutions – "think connected".



## We connect ideas with realisation

"I hear and I forget. I see and I remember. I do and I understand" (Confucius). True to this guiding principle, every day we convert new knowledge into actions and expertise into tangible solutions. We develop and manufacture our products ourselves. This way, we can guarantee that our standards are continuously met, from the idea to the realisation. And we also guarantee that our customers' experience is contributed directly to product development.

## We connect our customers with our expertise

Our connection to the customer is always direct and guaranteed by a dense network of branch offices, agents and subsidiaries on every continent. Our local field service ensures that OBO expertise can be used by customers everywhere. It goes without saying that we also attend all the major trade fairs.

OBO seminars, training courses and planner days convey not only developments, trends and standards, but also theoretical principles and practical tips and hints. And if you want direct answers to your questions on a day-to-day basis, just call our Technical hotline.



# We connect products to system solutions



## Cable management by OBO®

Intelligent, complete solutions for tomorrow's energy and data infrastructure. From complex cable carrier systems to underfloor and cable routing systems with modified plug-in systems through to software solutions and integrated fire protection, there will be a contact person available for all your projects.



## Building technology by OBO®

Energy and data cables are the lifeline of a building. OBO supplies systems for setting up this building's infrastructure. And, with a broad range of lightning and surge protection systems and a unique fire protection programme, we protect both building and the people who live in it



## Professional installation by OBO®

User-friendly, practical products. Our system ranges span from products for electrical installations such as cable branch boxes, cable threaded joints and concealed and cavity wall plugs, through to fastening and installation materials such as clamps, dowels and bolt anchors.



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