



**Solutions for
production and industry**



THINK CONNECTED.

Solutions for production and industry

You can rely on OBO solutions whenever you need strength and reliability under tough industrial conditions. Our systems supply machines and equipment with power and data. And if things get really serious, they protect people and property against lightning, electrical surges and fire.



Contents

Think connected.

OBO means thinking in networks and acting systematically. We combine our products to produce solutions for your projects in industry, commerce and infrastructure facilities – worldwide.



Cable support systems

Function maintenance systems

Insulation

Transient and lightning protection systems

We're there where you need us



We know what's required

Are you planning an industrial project or extending a production plant? You can rely on OBO. We have been assisting in complex projects for decades, and our staff help deliver electro-technical equipment for buildings all over the world.

From planning to building

Every project has its own demands. With OBO at your side, you can expect everything to go smoothly – from the planning stage right through to the details of installation on the building site. Our sophisticated logistics ensure that our products arrive quickly and reliably where they are needed. Our closely knit service network covers more than 50 countries. Why not get in touch?



A selection of our reference projects:

- ALDI logistics centre, Dormagen
- ATU distribution centre, Werl
- Audi factory, Hungary
- Bosch, Abstadt
- Carl Zeiss Works 2, 3, 4, Oberkochen
- Navoy chloralkali processing plant, Uzbekistan
- Degussa, Herne
- Expansion programme at Sachsenmilch
- Südzucker ethanol plant, Zeitz
- Warry iron and steel works, Nigeria
- Infineon, Dresden
- Intel, Israel
- Linde AG Elektronik Gase, Unterschleißheim
- Lurgi Hüttentechnik, Saudi Arabia
- Kuwait Cement, Kuwait
- Osram, Burgweinting
- SCA paper factory, Mannheim
- Boehringer pharmacology, Ingelheim
- Raylen polypropylene, Thailand
- Baoshan pipe rolling mill, China
- Schering, Bergkamen
- Schott Mainz, energy supply
- Sony, Stuttgart-Wangen
- SUEZ Fertilizer Company, Egypt
- Loma Negra cement works, Argentina

Audi factory, Hungary

Cable management: Heavy metal



Serious sizes

Thick, abundant cables, heavy weights and wide gaps between supports – it all necessitates strong cable support systems. Our unique portfolio of products includes cable trays, cable ladders, vertical ladders and wide span systems of industrial quality. A range of finishes and materials allow you to adapt them to your place of installation.





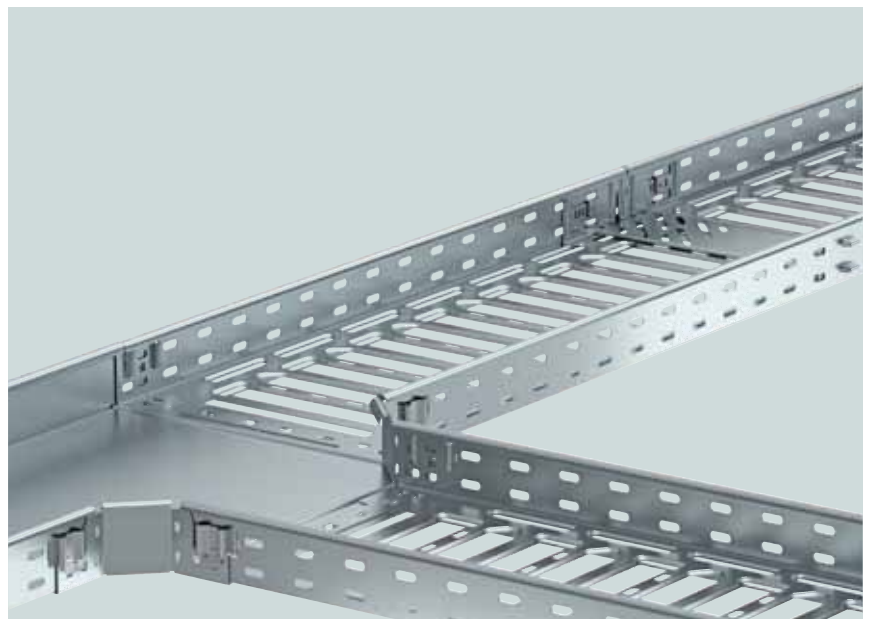
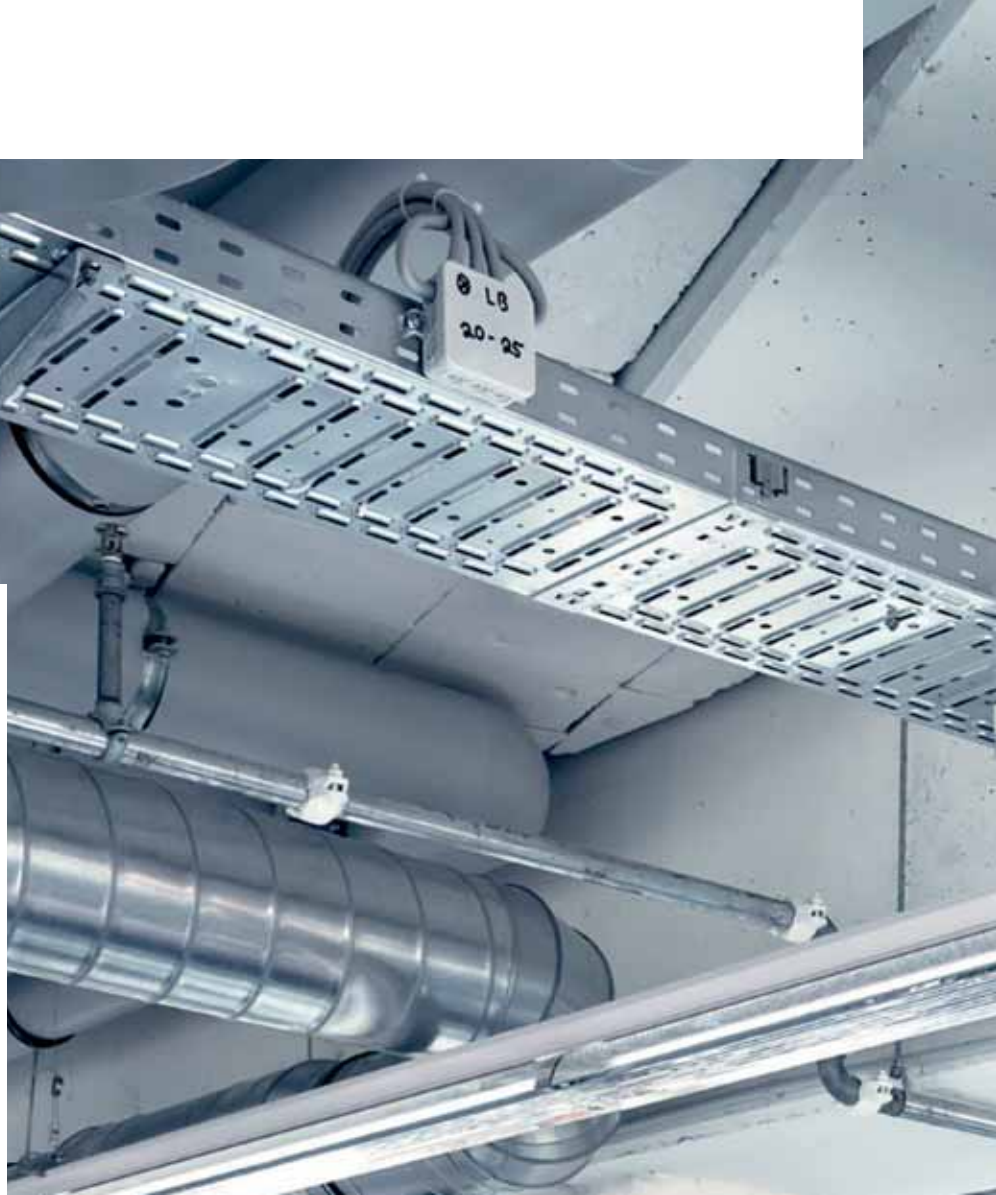
Cable management: Snap-in Magic systems

Snap-in cable tray systems

What equipment enables you to create lasting, safe connections, and install them as efficiently as possible? The answer is OBO's comprehensive Magic range. Its ingenious, practice-tested connection system means you can snap together all of its major components such as trays and fittings.

Next generation cable trays

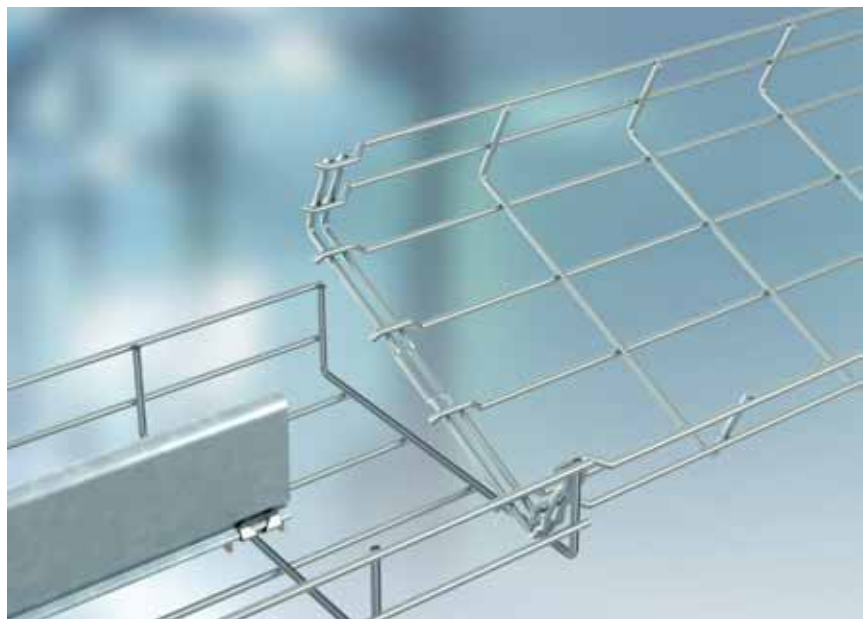
We offer an impressive range of cable tray systems. Aside from the universal RKS-Magic®, with its conventional base structure, we have a number of completely new systems in our range: SKS-Magic®, MKS-Magic® and IKS-Magic®. A new, patented manufacturing process has enabled us to create cable trays of peerless quality. All of our systems are available in FS, FT and VA quality.





Snap-in mesh cable tray systems

Position together, snap in place – and you're done! The GR-Magic® connection system developed and patented by us allows you to create lengthways connections in seconds – without tools or connecting parts. When it comes to stability and load carrying, GR-Magic® systems are absolutely on a par with conventional screw connections.



**Cable management:
Supplying power and data to machines**





Plant and machinery has to be supplied with electricity and data, either in one place or on the move. OBO systems can be used to create an enormous spectrum of supply types, from walk-on systems, to motor connection columns, to luminaire support systems.



Cable management: Robust solutions for tough industrial everyday conditions

Uncompromising

Industrial installations are often exposed to extremes of moisture, dirt and physical burden. You will find various solutions for use in industrial environments in our range of connection and attachment equipment which you can use to protect your cables and wiring. These include cable junction boxes, screw connectors, clips, pipes, clamp clips and rails, as well as strong cable ducts made of plastic and sheet steel.





Systems for electrical function maintenance



Function maintenance in electrical systems means that the flow of electricity is not cut off during a fire. That, in turn, means escape and rescue routes can still be used. Important technical facilities such, as emergency lightning, fire alarms, smoke extractors and extinguisher systems, all keep working. The longer these systems remain in action, the greater the chances are of rescuing people.

OBO systems withstand the heat of fire for a certain period of time without impairing the function of the cables. From cable trays to cable junction boxes, these products are all tested in compliance with German and international standards.





Insulation and cable bandages



Limiting the spread of fire

By limiting the fire to particular parts of a building, the remaining sections can be protected for a certain amount of time, which means valuable breathing-space for evacuating people and initiating extinguishing work.

OBO insulation

OBO insulation maintains the integrity of fire areas, which prevents fire and smoke from spreading quickly. This insulation is designed for a variety of wall and ceiling types and for the various pipes and cables that pass through them.



Top right: different types of insulation for different uses
Bottom right: cable bandage used to prevent fire from spreading over a fire protection wall



Safety first: Solutions for external lightning protection and surge protection



The millisecond with lasting consequences

If it strikes a building directly, lightning can endanger people and property. Furthermore, electrical equipment is often damaged by electrical surges. These surges can be caused by nearby lightning discharges, and by switching activities in medium- and low-voltage networks. The result can be the destruction of electrical equipment and communications installations, and the loss of data – and this can threaten the very existence of businesses.



Integrated lightning and surge protection from OBO

OBO systems protect people and property reliably. Air termination systems, conductors and earthing systems provide external lightning protection, while equipotential bonding and surge protection equipment protects against the effects of lightning current. Only if all these components are installed is genuine protection afforded. OBO supplies all of these elements, perfectly matched and from a single source.



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