



## References

## International competence. On-site.

### Certified safety

Solutions from OBO ensure continued fault-free processes in buildings and systems of the gas and oil industry. Our high-quality range of products and services is globally certified and fulfils all the key international standards. This simplifies the planning and execution of deployments around the world and ensures cost optimisation. Efficient processes at OBO en-

sure that products are available at the right time. It doesn't matter where our customers are erecting or operating systems.

### Decades of experience with major projects

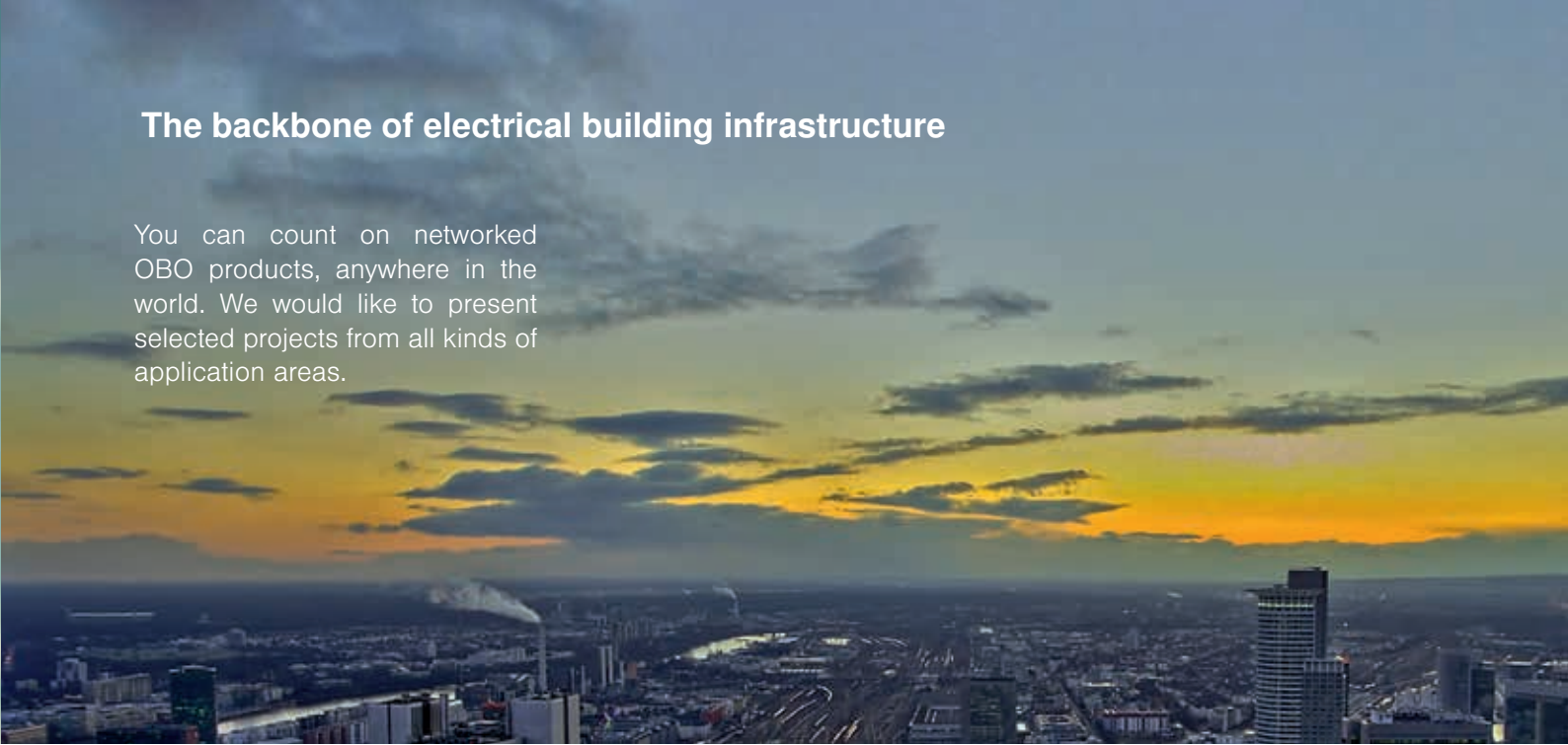
When the building size and the challenge of use increases, the complexity of the electrical infrastructure also increases. For decades, our electrical systems have contributed to the success

of major projects. The comprehensive product range, with different surfaces and materials, permits precise matching to the appropriate deployment location. Our customers can profit from the matching service process, which stretches from project planning through to delivery and consultation on the construction site.



## The backbone of electrical building infrastructure

You can count on networked OBO products, anywhere in the world. We would like to present selected projects from all kinds of application areas.



### Industrial and general plant construction



#### OBO solutions for industrial and general plant construction

When things get tough under industrial conditions, you can rely on OBO. Systems with a high load capacity ensure the perfect functioning of complex production systems. And they do that in any scope of supply and size of building.

### Mobility



#### OBO solutions for mobility

Stay mobile with OBO solutions. A range of electrical products and systems promotes mobility on water, in the air, on rails and on roads.

### Energy, supply and disposal industries



#### OBO solutions for power, supply and disposal

Producing energy efficiently, distributing it intelligently and using it sustainably – that is the key to the future of business and society. OBO can offer complete solutions for the entire electrical equipment of energy companies.

### Service, consumer goods and life



#### OBO solutions for service, consumer goods and life

Safety creates a good feeling. Particularly in buildings in which a lot of people come together. Good to know that OBO solutions will keep the electrical infrastructure fit and functioning over a long period of time.



# Industrial and general plant construction

OBO solutions for BMW



## BMW factory in Spartanburg (South Carolina, USA)

Around 15,000 brand-new BMW X5s and X6s roll off the production line of the BMW factory in Spartanburg (South Carolina, USA) every month. The customer, already waiting with baited breath for their new 4x4, can scarcely realise that OBO solutions also had an important role to play during production. For many years, OBO cable trays of type MKS/SKS have ensured that power and data cables on the 465 hectare site are run to the place they are required in production.



## BMW factory in Leipzig

100 kilometres of OBO wide span trays for the superlative BMW plant



This major project also demanded a high level of flexibility and efficiency from the professionals of the OBO BETTERMANN branch office in Delitzsch, just 20 kilometres from the construction site, who were responsible for the delivery of various systems for electrical installations.

The sprawling building complex was equipped with around 100 kilometres of OBO wide span trays of various dimensions.



## Audi factory in Győr, Hungary

With the expansion of the hall area to 340,000 square metres, Audi Hungaria has a total of 3,700,000 square metres of factory space in Hungary, making it a complete car factory.

OBO is equipping the new halls and buildings with cable support systems to a value of almost 2 million euros.



## Howald Tunnel

Some 70,000 vehicles pass through the Howald Tunnel in Luxembourg every day.

OBO products had an important role to play in the refurbishment of the tunnel in 2010.





# Mobility

A safe journey through the tram tunnel



## OBO solutions for tunnel construction provide reliable function in Linz

OBO tunnel construction systems are in use in many tram tunnels, as well as sections of underground and suburban railways.

This long experience was of great importance for LINZ AG when they made their decision in favour of OBO for the electrical fitting of a new tram tunnel. Numerous components from the solutions portfolio have been installed in the 1.3 kilometre-long tunnel section.

No less than eight kilometres of cable trays and 20 kilometres of cable ladders run through the tunnels, to say nothing of the systems for fire protection and external lightning protection.

All of them ensure reliable functionality, even if there are major loads in the tunnel, where pressure waves, humidity and dirt are run of the mill.





### **Munich Airport/ air traffic control**

Ready for take-off – OBO systems were used in the Munich Airport major construction project.



### **Lehrter railway station in Berlin**

Safely networked: OBO systems are at the heart of the transportation intersections of the metropolis.



### **Arnsberg/Menden Aerodrome**

Safety in flight – OBO TBS systems offer protection against lightning strikes and overvoltages.



### **Car park at the AUDI AG headquarters in Ingolstadt**

OBO supplies cable trays for integrated LED lighting.



# Energy, supply and disposal industries

Lightning protection for explosive  
areas with the OBO isCon® system



OBO products conduct lightning from a biogas treatment plant in Riedlingen. The biogas treatment plant of Erdgas Südwest GmbH, erected in 2012 according to the state of the art, is protected by the reliable, insulated lightning protection of the OBO isCon® system.





### **Hosterwitz waterworks near Dresden**

Lightning protection for explosive areas is ensured by using the OBO isCon® system.



### **Geothermal power station in Insheim**

Insulated lightning protection for explosive areas is provided with the OBO isCon® and isFang systems.



### **Etzel natural gas storage facility, Friedeburg**

OBO wide span cable trays ensure reliable electrical cable routing.





# Service, consumer goods and life

Elegant solutions for a luxurious  
shopping mall



## **Akmerkez Komplex in Istanbul**

The Akmerkez complex in the heart of Istanbul stretches over 180,000 square metres. Besides a four-storey shopping mall with 250 shops, Akmerkez also contains three towers.

Two of them, with 14 and 17 storeys apiece, contain office space, whilst a third, 24-storey,

structure contains high-quality housing.

During comprehensive renovation of the complex, which was built in 1993, the executive company, the Akmerkez Construction Company, decided to use the versatile OBO underfloor systems in the luxurious shopping mall and the office buildings. Function and de-

sign, quality and longevity were the key factors for the planners. They found exactly these benefits in OBO underfloor systems.



### **Restoration of the Neues Museum in Berlin**

The restoration included the development and integration of a tailor-made underfloor system.



### **Serdika Center Sofia**

The impressive “Serdika Center Sofia” sets new standards for commercial and office buildings in Bulgaria.



### **Westgate shopping centre, Zagreb**

OBO played a part in the construction of Croatia’s largest shopping centre in record time.



### **Knappschaftskrankenhaus Bottrop**

Challenging refurbishment with an insulated lightning protection system.



## **Customer list, industrial and general plant construction**

### **General production in manufacturing industry**

ABU Quir III  
Agrolinz – Melamin Piesterlitz  
Alexfert, Egypt  
Ameriya/Alexandria, Egypt  
AMF works, Grafenau  
Bosch, Abstatt  
Bosch Abstatt, building 301  
Campeon Neubiberg, Munich  
Carl Zeiss Oberkochen, new termination building, Grünenthal, Aachen  
Carl Zeiss factory 2, 3, 4, Oberkochen  
Croon Elektrotechniek (new building of Deventer Hospital)  
Degussa, Herne  
Deltion College te Zwolle, Zwolle (Netherlands)  
eglas, Osterweddingen  
Helwan, Egypt  
Infineon – Campeon, Neubiberg  
Infineon, Dresden  
Infineon, Unterhachingen  
Intel, Israel  
Krones assembly centre, Filling Technology division, Neutaubling  
Lantus Industriepark Hoechst  
Leipa GmbH, Schwedt, pipe bridge  
Linde AG Elektronik Gase, Unterschleissheim  
Montaplast GmbH, Morsbach  
Construction of paper and production plant, Leuna  
Osram, Burgweinting  
Burg paper factory  
Hoya paper factory, Hanover  
Palm paper factory  
SCA paper factory, Mannheim  
Petkim, Turkey  
Profil ARBED, Esch Belval  
PTB, new optics building, Brunswick  
Rafnes, Norway  
Raylen polypropylene, Thailand  
Schott Mainz, energy supply,  
Linde AG, Tiszaz  
Sony, Stuttgart-Wangen  
SUEZ Fertilizer Company, Egypt  
Suez II, Egypt  
UHH plinth construction, Jena

### **General heavy industry**

Kuwait Cement, Kuwait  
Misr Beni Suef Cement, Egypt  
Polysius AG cement works, Yamaver 5  
ECC cement works, Egypt  
Hofuf cement works, Saudi Arabia  
Loma Negra cement works, Argentina  
Yanbu cement works, Saudi Arabia  
Cement works in Germany, Switzerland, Iraq and Oman  
Hard coal power station, Hamm-Uentrop

### **Chemicals and pharmaceuticals industry**

BCA Bitterfeld Chlor-Alkali GmbH, Bitterfeld  
Boehringer Ingelheim Pharma, Biederach  
Petrolen chemical works, Philippines  
Raylen IV chemical works, Thailand  
Navoi chlorine-alkali electrolysis, Uzbekistan  
Boehringer pharmacology, Ingelheim  
Roche, construction of building 171, Mannheim  
Roche, building 345, Penzberg  
Schering, Bergkamen  
Geothermal power station in Insheim

### **Storage and control operations**

ATU distribution centre, Werl  
Logistic Centrum, Hamburg  
Logistics and fittings centre, Hamburg-Barsbüttel  
ALDI logistics centre, Dormagen  
Logistics centre, Hamm-Rhynern

### **Food industry**

Sachsenmilch expansion programme  
Südzucker Ethanol plant, Zeitz  
Südzucker AG, Isomalt expansion, Offstein

### **Metal producing industry**

EK steelworks, CARINOX project  
Bandar Abbas ore processing, Iran  
Warry iron and steel works, Nigeria  
Lurgi smelting technology, Saudi Arabia  
Pipe rolling mill, Baoshan, China

### **Tunnels**

Tunnel construction, national highway 1, Switzerland  
Tunnel construction, St Gotthard, Switzerland  
Howald Tunnel in Luxembourg



## Customer list, mobility

### Railway stations

Railway yard at the Dannenberg Curve in Uelzen  
Intercity Express railway station, Cologne/Bonn airport  
New building, Deutsche Bundesbahn, Krefeld  
Deutsche Bundesbahn depot, Hamburg-Langerfelde  
Dresden main station/reception hall  
Intercity Express repair works, Hamburg  
Intercity Express repair works, Hanover  
Intercity Express repair works, Munich  
Lehrter railway station VP 11, north-south connection, Berlin  
Lehrter railway station – technical building installation, Berlin-Tiergarten,  
Main Airport Center, Frankfurt am Main  
Metro, Athens  
Suburban railway, Hamburg  
Suburban railway station, Munich Airport  
Underground, Dortmund  
Underground, Hanover

### Airports

Athens Airport  
Charles de Gaulle Airport, Paris  
Düsseldorf Airport  
Frankfurt am Main Airport  
Modernisation, Frankfurt am Main Airport  
Building 200, Level 1, Hall B, Frankfurt am Main  
Harare International Airport, Zimbabwe  
Leipzig Airport  
Munich Airport  
Munich Airport, Terminal 2  
Stuttgart Airport, Terminal 3  
Zurich Airport  
Munich air mail control centre

### Automobile industry

Audi B6/A1, Ingolstadt  
Audi, building C14, engine test beds, Neckarsulm  
Audi NSU, Neckarsulm  
BMW Group FIZ BA 7, Munich  
BMW, shell – building 500, Leipzig  
BMW factory, Berlin-Spandau  
BMW factory paintshop, Munich  
BMW factory, electrical installation Telecommunications in building 940, Leipzig  
BMW factory, building 400, Leipzig  
BMW factory in Spartanburg, South Carolina (USA)  
Daimler-Chrysler, Rastatt  
Daimler-Chrysler, Wörth  
Daimler-Chrysler extension, GLC  
Daimler-Chrysler, building 4/02, Mettingen  
Daimler-Chrysler, Munich  
Daimler-Chrysler, Rastatt  
Isuzu, Poland  
Mercedes Benz, Bad Cannstatt  
Mercedes Benz, Centre, Stuttgart  
Mercedes Benz, Gernersheim  
Mercedes Benz, Rastatt  
Mercedes Benz, Sindelfingen  
Opel, Poland  
Porsche factory 1–6, Stuttgart  
Skoda plants, Czech Republic  
VW, Emden  
VW extension, hall 2a  
VW hall 24/22, Mosel  
VW, Kassel  
VW, Mosel-Zwickau  
VW production hall, technology centre foundry, Baunatal  
VW, Wolfsburg  
ZF Achsgetriebe, Passau factory, Thyrnau  
ZF Achsgetriebe, plant III, 2nd construction phase, Thyrnau  
ZF Achsgetriebe, plant III, 3rd construction phase, Thyrnau  
ZF Getriebe, Saarbrücken

## **Customer list, energy, supply and disposal industries**

### **Power station, combined heat and power stations and waterworks**

Expansion of combined heat and power station, Mühlhausen, Stuttgart  
Combined heat and power station, Böblingen  
Port combined heat and power station, Münster  
Combined heat and power station, Ulm  
BASF power station, Antwerp  
Power station, Boxberg  
Didcot power station, Great Britain  
Fuzhou power station, China  
Garigliano power station, Italy  
Gezer III power station, Israel  
Power station, Hamm-Uentrop  
King's Lynn power station, Great Britain  
Power station, Niederaussem  
Power station, Cologne-Niehl  
Komotini power station, Greece  
Kureimat power station, Egypt  
Power station, Mannheim  
Midelec power station, Egypt  
Power station, Niederaussem  
Nubaria power station, Egypt  
Poolbeg power station, Ireland  
Rousch power station, Pakistan  
Santa Rita power station, Philippines  
Seabank power station, Great Britain  
Seabank II power station, Great Britain  
Tahaddart power station, Morocco  
Talkha power station, Egypt  
Theiss 2000 power station, Austria  
Rehabilitation Heliopolis 220/66/11 power station, Egypt  
Thermal waste utilisation, Lauta  
Hosterwitz waterworks, near Dresden  
Natural heat power station, Bad Mergentheim

### **Gas/biogas plants**

Natural gas storage facilities, Berlin  
Water preparation and supply companies  
Large-scale sewage plant, Ankara, Turkey  
Heilbronn sewage plant  
Etsel natural gas storage facility, Friedeburg

### **Photovoltaics**

SKF photovoltaic system, Schweinfurt

## **Customer list Service and consumption / living**

### **Exhibitions and consumption**

Centro shopping centre, Neue Mitte, Oberhausen  
Eschborn Plaza shopping centre, Eschborn  
Citti shopping centre, Kiel  
City Carré shopping centre, Magdeburg  
IKEA furniture shop, Berlin  
IKEA furniture shop, Berlin  
IKEA furniture shop, Duisburg  
IKEA furniture shop, Kamen  
IKEA furniture shop, Taufkirchen  
Karstadt sports shop, Dortmund  
Karstadt Oberpollinger, Munich  
Cologne North exhibition centre  
Leipzig exhibition centre  
Munich exhibition centre  
Offenburg trade fair pavilion  
PLAZA department store in Lübeck  
Smart Center 2 + 3  
Smart Center carpark  
Stachus construction, Munich  
Storkower Bogen, Berlin  
Swisspor Arena, Lucerne

### **Education system**

Bioinnovation Centre, Dresden  
Biotechnology Centre, Leipzig  
German Federal Materials Research Institute, Berlin  
German Society for technical cooperation (GTZ), Eschborn  
Fraunhofer Institute, Aachen  
Regional administrative centre, Minden  
Molecular biology building, Munich  
New biology building, Dresden  
Physics faculty, University of Göttingen, 2nd phase of construction  
Twente regional training centre at Hengelo, Netherlands  
Aerospace Centre III, Wildau  
Neumayer Station III, Antarctica

### **Office buildings**

ADAC Westphalia, Dortmund  
Allianz insurance, main offices, Munich  
ARGE SIT cancer treatment facility, Heidelberg  
Foreign Office, Cologne  
Axel-Springer Verlag  
State Bank of Bavaria, Munich  
Dresden Business Park  
Leipzig Business Park



Business Tower, Nuremberg  
 Commerzbank, Frankfurt  
 Deutsche Bank, Essen  
 Deutsche Bank Händlerzentrum IBOC  
 Deutsche Bundesbank, Frankfurt am Main  
 Deutsche Welle, Bonn  
 DEXIA – Banque Internationale, Luxembourg  
 Dresdner Bank, Frankfurt  
 European Parliament, Strasbourg  
 Tax Office Centre, Aachen  
 Frankfurter Welle business district, Frankfurt  
 Max Planck General Administration, Munich  
 H. von Tresckow barracks, Schwielowsee  
 WestfaliaSurge head office, Bönen  
 IKB Bank, Düsseldorf  
 Landeskreditbank, Stuttgart  
 Regional Pensions Office, Hamburg  
 Regional Pensions Office, Saxony-Anhalt  
 Münchener Rückversicherung  
 Norddeutsche Landesbank, Hanover  
 Opern Carrée Bebelplatz, Berlin  
 Postbank, Frankfurt  
 QVC, Hückelhoven  
 New SAP building, Campus II, Walldorf  
 Sheridan barracks, Garmisch-Partenkirchen  
 Telekom, Bonn  
 Telekom, Münster  
 Uptown, Munich  
 WestLB, Düsseldorf  
 ZDF broadcasting centre, Mainz  
 Westend Palais, Frankfurt

### Health care

Asklepios Clinic, Weissenfels  
 BG Clinic Bergmannstrost, Halle  
 Diakonie social welfare agency, Mannheim  
 Social welfare and health centre, Kassel  
 Hartwald-Reha Clinic, Bad Brückenau  
 Johanniter Hospital, Stendal  
 Heidelberg Children's Clinic  
 Hospital, Halle-Kröllwitz  
 Clinic of Johannes Gutenberg University, Mainz  
 Dessau medical centre  
 Rechts der Isar medical centre, Munich  
 Schwerin medical centre, dormitory 9–10  
 Knappschaftskrankenhaus, Bottrop  
 Dresden – Friedrichstadt Hospital, new operations  
 centre building  
 Medical Clinic, Heidelberg  
 Operative Clinics, Leipzig

Robert Bosch Hospital, Stuttgart  
 Dortmund city hospitals  
 UKD Clinics  
 Tübingen University Clinic

### Sport and entertainment

Manegen Square, Moscow  
 Mercedes-Benz Museum, Stuttgart-Untertürkheim  
 State Theatre, Kassel  
 Central Stadium, Leipzig

### Tourism

Hotel MARITIM Kongress, Berlin  
 Paulinum in Leipzig  
 Neues Museum, Berlin  
 Cologne Cathedral, Cologne  
 Frauenkirche, Dresden  
 Bolshoi Theatre in Moscow

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