

Solutions for sporting and
event venues

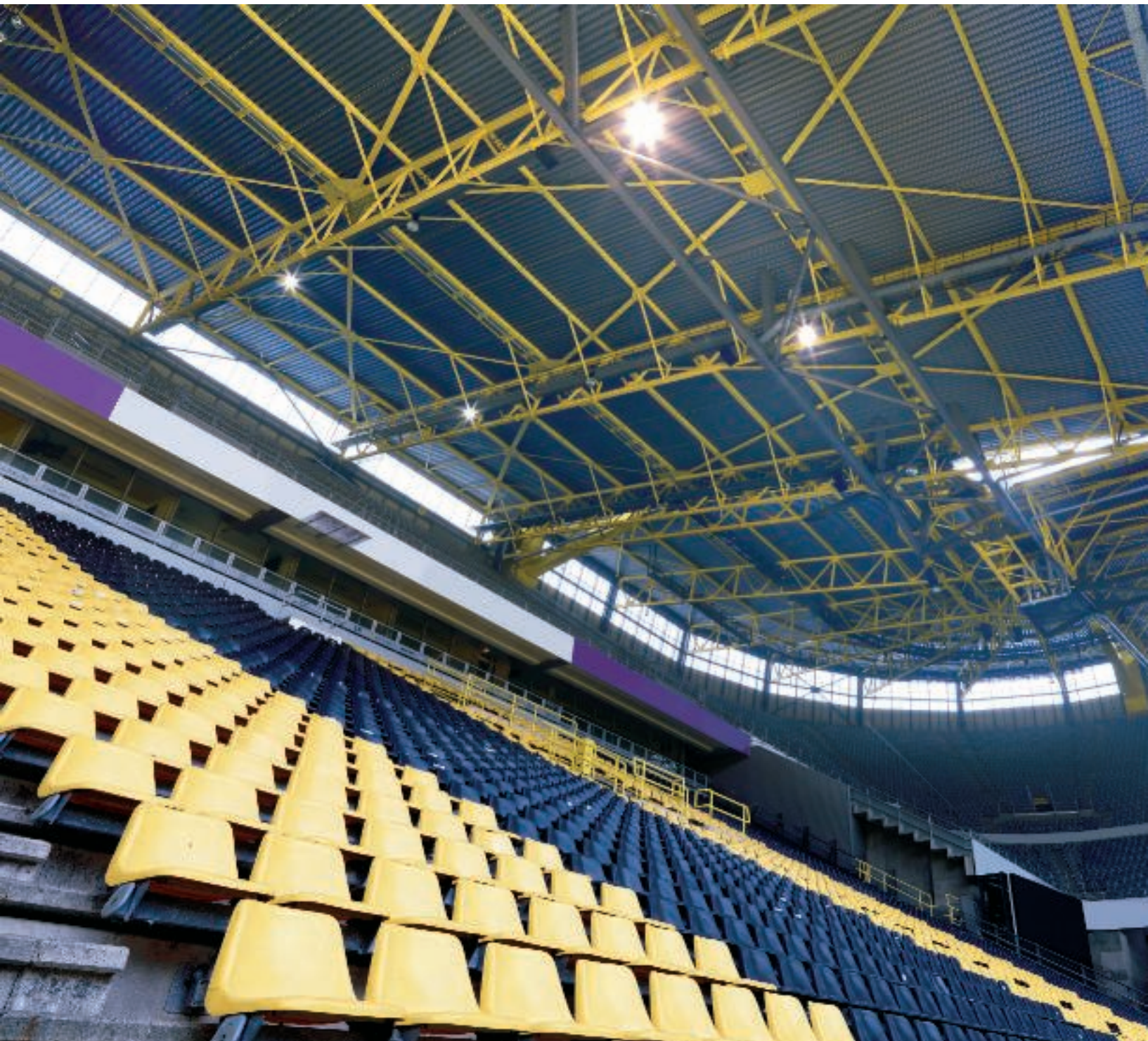
OBO
BETTERMANN

THINK CONNECTED.



Solutions for sporting and event venues

Where it all happens: lots of enthusiastic people, exciting games and fantastic concerts. It's good to know that behind the scenes, OBO systems are making an important contribution to the smooth running of things.



Contents

Solutions with a system

In places where thousands of people gather, nothing should be left to chance – including a building's technical infrastructure. OBO supplies reliable products, from cable management, to function maintenance, to robust, vandalism-proof installation. Fire protection systems and external lightning and surge protection ensure safety even in exceptional situations.

"Thinking connected" as always, in this solutions brochure we aim to show you those products and applications that make the operation of stadiums, arenas, theatres and concert halls even safer and more functional than ever before.

Cable management

Fire protection systems

Function maintenance systems

Lightning and surge protection systems





Maximum safety and trouble-free operation

The highly complex infrastructure used to host sporting and entertainment events relies on an almost invisible network of power and data lines to keep functioning. One of the challenges involved is how to safely route such large numbers of cables and wires. OBO systems offer a comprehensive range of solutions for every scenario, from heavy-duty cable ladders and wide span systems, to mesh and cable tray systems, to sturdy piping systems.

Easy to fit and wonderfully diverse

As one of the world's leading manufacturers of cable support systems, OBO proves its competence on a daily basis. In a range of sizes and material thicknesses, our easy-to-fit products can cope with the most difficult tasks. In a range of colours, they can blend in harmoniously with any design concept if necessary.



Fire protection and function maintenance: Three protection aims



Fires are the true test

Sporting and event venues place the utmost demands on safety in the event of a fire. Safety-relevant systems have to work for as long as possible in order to protect people. With its tested systems for structural fire protection, OBO is helping to meet these demands.

Three protection aims

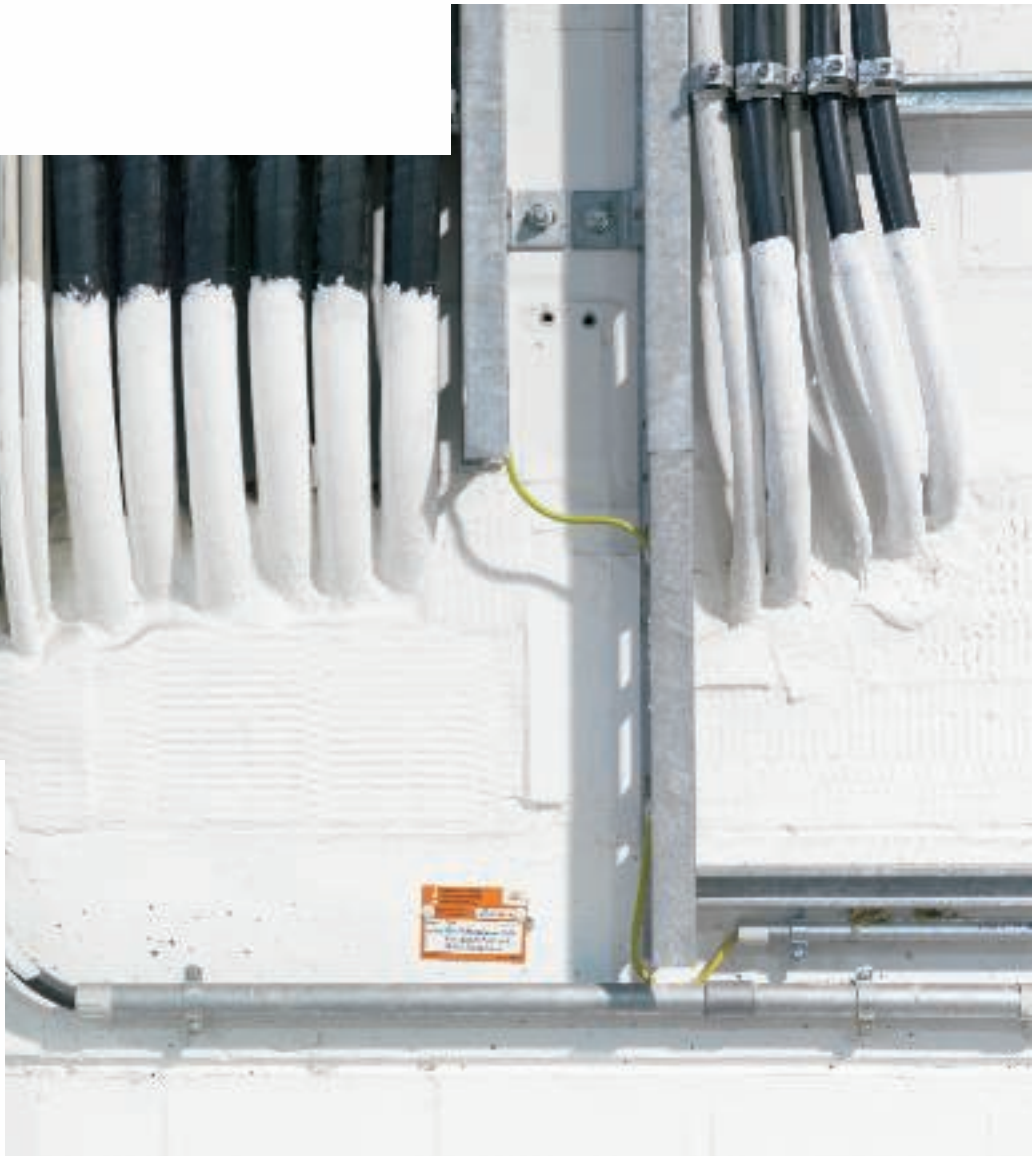
There are three protection aims that have to be met in buildings where lots of people congregate frequently:

1. Limit the spread of fire
2. Safeguard escape and rescue routes
3. Maintain the function of important electrical systems

By using OBO systems, architects and operators can draw on optimised components for complete fire protection and function maintenance in their buildings.



Insulation

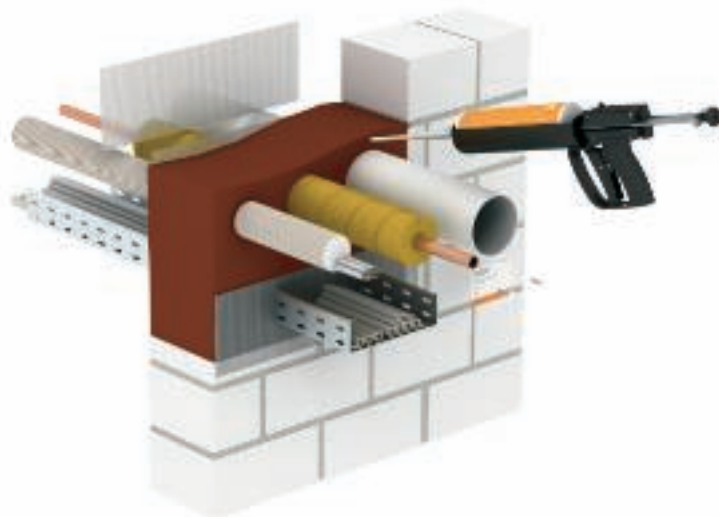


1st protection aim: Limit the spread of fire

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 types and for the various pipes and cables that pass through them.



Top: labelled insulation system

Bottom: diagram of the structure of insulation using Pyrosit® NG

Escape route installations



2nd protection aim: Safeguard escape and rescue routes

When a fire breaks out every minute counts, and escape and rescue routes become a building's lifelines. The longer people can use them for, the higher their chances of escaping fire and dangerous smoke.

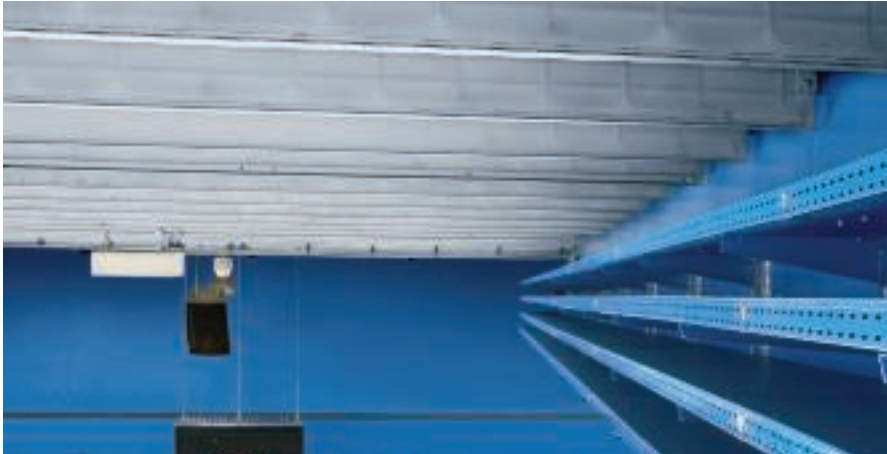
OBO systems for escape route installation

OBO offers a comprehensive range of tested fire protection systems with which to safeguard escape and rescue routes. The range includes collecting clamps and cable clamps made from metal, cable trays, fire protection ducting, fire protection bandages and much more. Escape route installations are fitted above false ceilings.



Escape route installation system above a suspended fire protection ceiling

Systems for electrical function maintenance



3rd protection aim:

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 lighting, fire alarms, smoke extractors and extinguisher systems, all continue to function. The longer these systems remain in action, the greater the chances are of rescuing people.

OBO systems for electrical function maintenance

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.



Function maintenance systems

Safety first: Solutions for external lightning protection and surge protection



Hot topic

No sports or event venue operator can afford a lightning-induced technical equipment failure. Effective protection is afforded by skilfully and correctly installed lightning protection systems. Damage is caused just as often by electrical surges, which can be triggered by nearby lightning or by switching in large electrical systems. The results can be devastating: not only equipment damage, but network failure and data loss.



Top: combination conductor in a switchgear cabinet with Dahl wiring ducts
Bottom: equipotential bonding rail
Right: interception rod

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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