



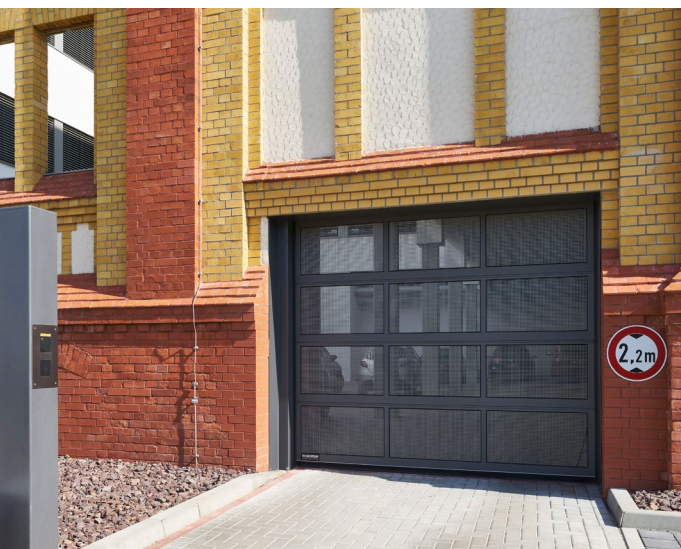
ACCESS IN MANY VARIATIONS

Elbe Arcades Magdeburg

Living, working and researching - in a modern location with a historic ambience: The new Elbe Arcades in Magdeburg, embedded in the old harbour directly on the Elbe, present themselves as an urban living and working area. To enable visitors and employees to easily get into the „Storage A“ facility and in order to ensure all protection requirements are met within the arcades (especially fire, smoke and burglary protection), hinged doors and industrial doors are carefully planned and coordinated.

The Task

Taking into account the different needs of those who will be filling this area with life is a good example of how living and working in one place can work just fine. The importance of all involved collaborating in such a challenging project is exemplary reflected in the planning of hinged doors and industrial doors which are particularly important in terms of functionality and safety and are yet to meet high aesthetic standards at the same time.



The Solutions

Of particular advantage during project implementation was to be working with a single supplier: Due to their broad product portfolio and professional planning support ranging from a conventional door to a complex sectional door with escape route control, Teckentrup was able to offer the ideal all-in-one solution from just one single source.

An example of how solution-oriented the cooperation of planners, craftsmen and manufacturer (Teckentrup) can be, are the garage entrances. No additional escape door next to the garage had been planned - however, an escape route is obligatory. A wicket door integrated in the door is not of any help in this case, as its inevitably needed bottom sill forms an obstacle and is therefore not an approved escape route.

The solution: Specially tailored sectional doors which ensure, by means of battery buffering, that the escape route can occur directly through the door. If it comes to a power outage, opening the door can once be triggered from the inside via a snapping switch. Furthermore, the door solution impresses with its modern appearance: transparent perforated sheets as well as the high-lift fitting make sure that the doors blend in perfectly with the building's design. The sectional doors' colour and equipment are very elegant, the perforated sheet filling underpins the open concept of the interior space. Not visible from the outside: the optically identical doors differ in their opening mechanism. The entrance door opens automatically for authorised users via access control.

Several customised solutions were also designed for the hinged doors. The doors in the stair tower, for example, are fitted with special block frames. The emergency exits in the office tracts can convince with another special feature: from the outside the doors offer burglary protection and from the inside they work as escape doors that can easily be opened to their entire leaf width at any time. In order to capture the charm of the harbour, all industrial doors, hinged doors and frames follow an individual colour scheme.

Such accumulation of special requirements for industrial doors and hinged doors within one project is far from ordinary. The constructive cooperation between manufacturer, construction planner and metal constructor is thus a perfect example for the customer-centered development, which Teckentrup committed to over the last few years.



Stair tower with escape doors. The security doors are equipped with special block frames.



Emergency exit doors in the office tract: Here, security doors are in perfect harmony with full panic function.



The emergency exits in the office tracts are also special: The safety doors (three-point multiple locking system, self-locking) are also equipped with full panic function. From the outside the doors thus protect the user from burglary, at the same time they are escape doors and can thus be opened to their full leaf width from inside and outside at any time.

Directly on the river Elbe in the Magdeburg district „Alte Neustadt“ stretches the historic inland port. The area consists in its core of a cluster of constructionally and periodically typical harbour buildings.

In this heritage-protected environment, an area of 15,000 square metres will be home to modern quarters for living and working: the Elbe-Arcades.

The architecture refers to the place and its history, however from a technical point of view the Elbe-Arcades are firmly in line with the 21. century. The former sugar mill storages have been converted to office and commercial buildings, which are now the premises of well-known large enterprises and start-ups with high demands on quality and functionality. Right next to it urban apartments overlooking the Elbe are planned to be constructed. Connected to the university, the Fraunhofer and Max Planck Institute; a large research centre can also be found within the facility.



The sluice in the delivery zone of the Elbe Arcades is on both sides equipped with sectional doors. On the facade side, an aluminium element with perforated sheet filling is placed in front of the door - with the same look as the car park entrances. So this entrance is also integrated into the overall architectural concept.



Fact Sheet

data and facts

Address	Universitätsplatz 1 39106 Magdeburg
Builder	ElbArkaden GmbH & Co.KG
Architect	Dr. Ribbert Saalman Dehmel Architekten BDA
Processors	Metallbau Medoch GmbH, Magdeburg
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