

Sustainable mobility meets smart construction: The Neuperlach Süd parking garage

Every day, hundreds of thousands commute to Munich. To reduce car traffic in the city center, the City of Munich (LHM) is focusing on strategically located Park & Ride facilities - attractive alternatives for commuters who want to switch to public transport conveniently. A key project in this strategy is the Neuperlach Süd parking garage in southeast Munich, which opened in March 2024. Operated by the municipal P+R Park and Ride GmbH, it combines architectural excellence with ecological responsibility - and relies on the durability of galvanized steel structures. Once again, Huber Parking, the specialist for innovative parking garage solutions, relied on the proven corrosion protection solution duroZINQ from surface specialist ZINQ.

“For us and our customer, Stadtwerke München GmbH, it was essential to create a design that was not only functional and aesthetic, but also sustainable in the long term,” says Valentin Rüther, Managing Director of Huber Parking Unternehmen. “Hot-dip galvanizing with duroZINQ enables exactly that—maximum durability without costly maintenance for decades. In a parking garage that is exposed to corrosive and mechanical stresses on a daily basis, this investment quickly pays for itself.”

For the 24-meter-high building on Carl-Wery-Straße, over 430 tons of steel - including particularly long beams - were galvanized with the durable corrosion protection solution duroZINQ at the Polish ZINQ site Metalcynk (tank dimensions: 19.00 m × 1.90 m × 3.30 m). Delivery took place in several stages between October 2023 and February 2024.

Architectural statement with added value

Designed by the Viennese architectural firm Delugan-Meissl Architects in collaboration with Maisch Wolf Architekten, Munich, the parking garage impresses with its striking façade of overlapping metal panels. These not only serve an aesthetic purpose, but also fulfill an important function as sound insulation for the adjacent buildings. As a hub between private and public transport, the parking garage offers 770 parking spaces in close proximity to underground and suburban railway lines - at an affordable daily rate of currently only €1.50.

More than just a parking garage

What makes the P+R parking garage in Neuperlach special are its comprehensive sustainability features.



17,000 facade tiles cover the 24-meter-high building on Carl-Wery-Straße.

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A large-scale photovoltaic system on the roof supplies the building and the 72 electric charging stations with electricity. The intelligent parking guidance system with automated license plate recognition reduces CO2 emissions and minimizes search traffic. Two green inner courtyards break up the classic parking garage atmosphere and provide natural ventilation and an improved microclimate, while the green roof contributes to natural cooling. The atriums also serve the function of enabling what is known in building regulations as an “open parking garage” in accordance with the Garage and Parking Space Ordinance (GaStellV), which is significantly more economical in terms of investment costs than a “closed parking garage” under building regulations. In addition, a sophisticated irrigation system with drip irrigation ensures resource-saving plant care.

Steel and zinc - a perfect cycle

The components galvanized with the circular surface duroZINQ form the literal backbone of this sustainable infrastructure. They not only bear the physical load of the building, but also embody the idea of longevity—a central aspect of sustainable construction. Steel and zinc can also be completely recycled at the end of their life cycle, preserving valuable raw materials and reducing CO2 emissions. “The decision to use hot-dip galvanized steel structures is virtually imperative in a project with such high sustainability requirements,” emphasizes Maik Riedel, Key Account Manager at ZINQ. “Hot-dip galvanized surfaces are considered one of the most durable and resource-efficient corrosion protection solutions available. The Neuperlach Süd P+R parking garage combines functionality, ecological responsibility, and aesthetic appeal—a project that everyone involved can be proud of.”

The facts

Project

In order to reduce car traffic in Munich, the City of Munich (LHM) decided to build a new Park & Ride parking garage in the southeast of Munich and commissioned its subsidiary, Stadtwerke München GmbH (SWM), to carry out the project. The aim was to implement a sustainable and durable solution that combines functionality, aesthetics, and ecological responsibility. Huber Parking was entrusted with the consulting, planning, and implementation as the main contractor. Over 430 tons of steel were used for the construction - protected by the circular corrosion protection solution duroZINQ. The components were galvanized at the ZINQ site in Metalcynk, Bydgoszcz, including particularly long beams, for which the site is ideally suited (tank dimensions 19.00 m x 1.90 m x 3.30 m). The 24-meter-high parking garage was officially opened in March 2024. It impresses not only with its durable construction, but also with sustainable technologies such as photovoltaic systems, e-charging stations, and green courtyards, which noticeably improve the microclimate.

Client

Huber Parking

Since mid-February 2024, all locations of the Huber parking garage construction companies in Germany, the United Kingdom, and the Netherlands have been operating under the umbrella of the new, unified Huber Parking brand. All companies share the experience and expertise of the Rheinbrohl headquarters, which they continue to build on and constantly develop and expand for their respective markets. Further information is available at: www.huber-parking.com

galvanizing plant

Metalcynk, Bydgoszcz/Polen



Two green inner courtyards not only provide natural ventilation and a pleasant microclimate, but also create light-flooded spaces that clearly distinguish the parking garage from conventional structures of this type.

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