

A Well-Rounded Solution

Green Roof Meets Zambelli RIB-ROOF Metal Roofing

Stephansposching, 2 April 2026. CIRCLE77 in Detmold is a modern office and administration building owned by AÜG Netzwerk GmbH. It offers around 3,300 m² of usable space across three floors. In addition to modern office areas, the building includes collaborative workspaces, training and conference rooms, a fitness area, and a spacious garden with pavilion.

Its circular architecture with a central atrium creates bright communication zones and flexible working environments. Sustainability also plays an important role, both inside and outside the building. A large section of the low-pitched roof has therefore been designed as an extensive green roof, implemented by Zambelli in cooperation with partners. The underlying RIB-ROOF metal roof has several functions at once.

The architectural concept for CIRCLE77 was developed by Horst Thureau, founder of AÜG Netzwerk GmbH. He was inspired during visits to Sarasota, Florida, by a traffic circle called St. Armands Circle. The circular shape symbolizes cycles and the 360-degree idea, with collaboration, exchange, and networking at its core.

The client also consistently pursued the idea of sustainability throughout the planning process. Among other features, the building stands out for its modern building technology, e-mobility infrastructure, and energy-efficient concepts. Solar energy is also used as part of the sustainable energy supply.



Green roof meets metal roof: A large section of the roof at CIRCLE77 was extensively greened by Zambelli and external partners. The basis for this is the underlying Zambelli metal roofing system. It serves as the load-bearing structure, root-resistant waterproofing layer, and water-bearing level. Photo: Zambelli Holding GmbH.

Green Roof on RIB-ROOF

Around 700 m² of the roof area have been designed as an extensive green roof. The foundation for this is the Zambelli RIB-ROOF metal roofing system, which acts as the load-bearing structure, root-resistant waterproofing layer, and water-bearing level, thereby providing a secure basis for the green roof build-up above.

“Architects and clients benefit from a metal roofing system that functions across the entire roof area and creates a kind of base surface. This allows the available roof landscape to be designed flexibly according to individual requirements. Areas that need to remain free, safety and walkway systems, as well as island solutions, all offer a wide range of options for individual design,” says Frank Anders, Managing Director of Zambelli RIB-ROOF.

The green roof system provides extensive greening with a comparatively low build-up weight and is particularly suitable for flat and low-pitched roofs. The moss-sedum vegetation layer requires only minimal maintenance and is designed for long-term, site-appropriate development.

“The green idea and the growing acceptance of using roofs not only for photovoltaics, but also for green roof solutions, were an early incentive for us to address this topic and highlight the advantages of combining it with our proven RIB-ROOF metal roofing system,” says Frank Anders, Managing Director of Zambelli RIB-ROOF.



Thanks to its low weight, the green roof is particularly suitable for low-pitched roofs. The vegetation layer can absorb rainwater and release it again with a delay, relieving the drainage system. Photo: Zambelli Holding GmbH.

Contribution to Climate Protection and Rainwater Management

The tapered RIB-ROOF profile sheets guide the rainwater, together with the centrally glazed atrium area, specifically into a surrounding gutter system. This creates a clearly structured roof landscape that combines functional requirements with architectural design.

The vegetation layer of the green roof can absorb rainwater and release it again with a delay, thereby reducing the load on the drainage system. At the same time, it improves the microclimate, binds fine dust, and contributes to the natural temperature regulation of the building.

“The CIRCLE77 project demonstrates how metal roofing systems and green roofs can be combined in a meaningful way, and what design and ecological potential this creates for contemporary architecture,” concludes Anders.



The green roof improves the microclimate, binds fine dust, and contributes to the natural temperature regulation of the building. Photo: Zambelli Holding GmbH.