

New life for the landmark of Munich

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Bringing new life to an office tower from the 80s with modern and energy efficient building technology: Caverion was involved in the revitalisation and greening of one of Munich's tallest office buildings.



To reduce the building's carbon footprint significantly by cutting its energy consumption was the primary objective of Caverion's client HVB Immobilien AG. The Real Estate Company of one of Germany's largest financial institutes is responsible for over 1,000 properties. The company invested EUR 250 million in total in the renovation of the so called HVB-Tower in Munich including the still projected northern office building.

Caverion installed 41 air ventilation systems with a total air quantity of 704.000 m³/h. For the tower and the escape tunnels Caverion was responsible for the staircase pressure air ventilation as well as a heat recovery system and the installation of 380 sanitary objects. The total heat capacity is 5,8 MW, the total cooling capacity is 5,9 MW. The contract also covers the renovation of the mechanical plant areas.

Aiming for Platinum LEED

"Our client's objective was to create an outstanding green office building and to receive a LEED-certificate in Platinum. By improving the total energy consumption with modern building solutions it will save operation costs and minimise its carbon footprint," explains **Manfred Kölbl**, Project Office Director at Caverion Deutschland. "We notice an increasing demand for comprehensive technical solutions for energy efficiency."

With a total height of 114 meters the HVB-Tower has been a landmark for over 30 years in the skyline of the city of Munich. Since 2006 the high-rise is listed on the Statutory List of Buildings of Special Architectural or Historic Interest.

The modernisation was completed in January 2016 and the complex has now become the headquarters of the financial institute HypoVereinsbank. It will provide a state of the art "Smart Working" office environment for approximately 1,400 employees.

Caverion designs, builds, operates and maintains user-friendly and energy-efficient technical solutions for buildings, industries and infrastructure. Our services and solutions are used in commercial and residential buildings and on industrial and public sector properties, as well as in processes, ensuring business continuity, safety, healthy and pleasant surroundings, optimal performance and cost management. Our vision is to be a leading European provider of advanced and sustainable life cycle solutions for buildings and industries. Our strengths include technological expertise and comprehensive services, covering all technical disciplines throughout the entire life cycles of properties and industrial plants. Our revenue in 2015 was approximately EUR 2.4 billion. Caverion has over 17,000 employees in 12 countries in Northern, Central and Eastern Europe. Caverion's shares are listed on Nasdaq

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