

Reference

Glass Architecture PR60



BMW Four Cylinder Building, Munich

Essential info

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| Place / Country: | Munich, Germany |
| Year: | 2007 |
| Project: | High-rise building |
| Solutions: | Glass Roof KWS 60 Solar control insulation glass Ventilation Flap PR60 SHEV controls Special wind direction controls Black-out mechanisms SHEV flaps |
| Efficiency: | 47% energy saving Uw=1,0 W/(m²K) vs. Uw=1,9 W/(m²K) as per German Energy Performance of Buildings Directive 2009 |

Facelift and energy-efficiency upgrade of BMW's main headquarters and implementation of a state-of-the-art fire safety concept based on SHEV systems and control technologies.

- Glass roof structure in the shape of the BMW logo over the tower's central shaft, solar control insulation glazing with Ug value = 1.2 W/(m²K)
- Glass roofs over conference room, foyer and post room, insulation glass with light guidance grid
- Glass roofs over the walkways linking the main tower to the low-rise buildings, which feature windows with controllable glass slats and solar control glass with screen print
- Extruded, thermally separated aluminium sections
- Extension arm drives in tandem layout with synchronisation control and synchronisation sensors
- Special SHEV control panels connected to building control system
- Wind sensors to detect wind direction and speed

LAMILUX HEINRICH STRUNZ GMBH

POB 1540 - 95105 Rehau/Germany - Phone: +49 (0)9283/595-0 - Fax: +49 (0)9283/595-290

E-Mail: information@lamilux.com - www.lamilux.com

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