

CANOPY FOR A CASINO

DUISBURG - GERMANY

▶ THE PROJECT

The canopy at the main entrance of the casino in Duisburg was designed by Innovations-Verbund-Systeme GmbH & Co. KG. The canopy has a weight of 50 tons. It is fixed to the curved walls of the building at a height of 10 meters. The span of the canopy at the front side is 30 meters. The span at the entrance wall is much smaller which makes it look like a funnel.

■ Project characteristics

- > Funnel-shaped canopy
- > Modeling of specific profiles
- > Symmetrical modifications in flange shape of standard shapes

■ Solutions

Software used: Advance Steel

- > User-friendly software
- > Generation of custom profiles, etc.



▶ QUESTIONS TO DIPL.-ING. PETER MERTENS STRUCTURAL ENGINEER – CONSTRUCTION AT INNOVATIONS-VERBUND-SYSTEME GMBH & Co. KG

Mr. Mertens, can you please give us some information about the project?

The canopy is located over the main entrance of the casino. The approximately 50 tons heavy steel construction is fixed to the building at a height of 10 meters. Since the walls of the building are curved, the canopy looks like a funnel.

What was the biggest challenge of this project?

One of the main tasks was the modeling of “user-specific profiles” because of the very specific customer requirements.

Due to the requirement of the special section we had to modify normal profiles symmetrically in flange shape. Therefore the generation of custom profiles was very important.

When all these demands were achieved, Advance Steel proved to be excellent software.



Why did you decide on Advance Steel?

We are very satisfied with the ease of use of the Access database of Advance Steel. We were also convinced by the excellent customer support, the easy operation of the software and last but not least by the good price-performance ratio.

The canopy of the casino in Duisburg is one of 150 projects we have designed with GRAITEC Advance Steel.

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