

THE UFO ZOETERMEER PROJECT

Zoetermeer - NETHERLANDS

▶ THE PROJECT

The "UFO ZOETERMEER" (the flying saucer of Zoetermeer) is a sports hall in the Zoetermeer shopping center

■ Project characteristics

- > The complex geometry
- > Curved bars
- > Specific custom joints

■ Solution

Used software : Advance – Steel suite

- > 3D structure modeling and automatic creation of fabrication drawings.

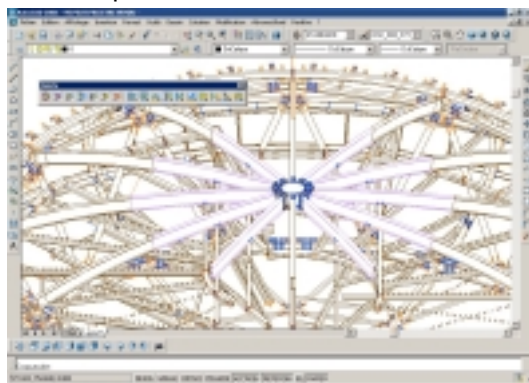


▶ Questions to Eddy Vrolix, draftsman at CSM

Mr. Vrolix, would you like to give us some general information about this project?

As you have already noticed, this project looks like a flying saucer. It weights 290 tons and it has 35 m in diameter and 12m in height. This is a sports hall situated in the center of Zoetermeer.

The architectural plan was a real challenge : almost all the beams are curved, the joints are specific and the structure is supported by 3 concrete pedestals of 80cm width...



What was the CSM's role ?

CSM did the global structure calculation, created all the plans, did the plan check, manufactured all parts in the workshop and did the assembly on the site.

This project let us see the huge possibilities offered by Advance – Steel suite : modeling of the complex geometry, curved beams, specific user defined joints...

The construction has already started (see the pictures). One can see clearly the complexity of the design entirely done in Advance.



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