



# Warehouse for Explosive Products

Slobozia - Romania

## The Project

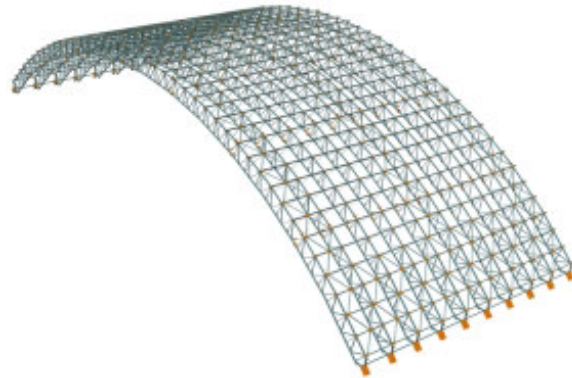
The roof of this warehouse has an arc steel structure, with a 72m span,

## Project Challenges:

- Arc structure built from straight beams
- Sliding roof
- Bolted connections on site

## Software Solution - Advance Steel

- 3D joint modeling
- Automated drawing creation



## Questions for Mr ING G.E Nestor, General Manager at N-CAD Project, Romania

### Mr. Nestor, why Advance Steel?

"I knew very well the extensive capabilities of this software (3D modeling, automatic detailing); I have been using it for over 4 years and I must say I am a very satisfied user."

### Would you tell us some of the advantages of using Advance Steel for this project?

"As you can see, the structure has a pretentious geometry – spatial arc, built from straight beams connected with joints. The 3D modelling greatly simplified the structure design, specially the joints – (complex joints with 7, 8 or 9 bracings with various orientations). We obtained a correct model – one of the main requirements to avoid errors with bolts, knowing that all connections are bolted. I cannot imagine designing such a structure without 3D-CAD. Once the model was completed, we had no problems in retrieving the details we needed – automatically created, dimensioned and labeled."

### And the result?

"From my point of view, designing such a structure in less than 3 weeks is a success achieved entirely due to Advance Steel. It would be almost impossible to handle such a project without dedicated software like Advance Steel. With a "standard" AutoCAD, I would have probably assigned 3 or 4 engineers and it would have taken 3 months to achieve the same result (with 2D, 3D details, etc.)."

