



The New Milano Fair

Milano - Italy

The Project

The new Milano Fair was designed from the ground up to be the biggest fairground in the world with an exhibition space of 2 million square metres. The Exhibition halls are interconnected by an elaborate freeform roof called a VELA, Italian for sails, this described the flowing shape of the structure.

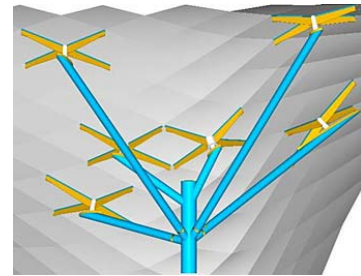


Project Challenges:

- All 190 'tree' columns are different to each other.
- The drawings must be created according to contractor requirements.

Software Solution - Advance Steel

- Automatic drawing creation and modelling of the tree columns in 3D.



Questions for Hubert Emmerling, owner of Emmerling GmbH

How did Advance help you to process the project?

"Due to automatic modelling of tree columns, crosses and levelling points in 3D in addition to automatic drawing creation to contractor requirements we saved 1.900 man-days. This is a time saving of 60%! This was due to innovative Advance technology and great cooperation by Gritec from the start of the project to help us efficiently and productively accomplish the project."





Why did you decide to use Advance?

"First of all Advance is an application based on AutoCAD the worldwide construction CAD standard. Furthermore Advance is a young extremely capable product that has proved itself on the market. The unique evolving project requirements on Advance were met by fast software development on the part of Graitec and we have come to realize the immense potential the solution still has in terms of headroom for future development."

Mr. Emmerling, would you give us some information about this project?

"The fair consists of 10 exhibition halls which are connected through a 1,3 km long axis. The axis is roofed by a freeform lattice roof construction, reminiscent of the Alps. The guests get an open-air experience without being exposed to wind and rain. This impression was reached using only 190 tree columns supporting the VELA."