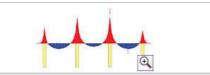
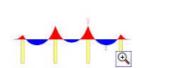


JOBS





The images clearly show that the range of banding moment mx decreased from <-185, 38> to <-82, 36>.

The averaging strips are a part of the basic module and can be used for the design of plated and plate-wall structures according to all national technical standards implemented in SCIA•ESA PT. ▲ top

Recruitment, SCIA innovates

Today recruiting a good engineer in Belgium and Holland has become a real challenge. SCIA, continuously seeking for new talents, is well aware of this situation. The discussions with our customers are also often directed towards this subject: there really is a shortage of engineers in our sector, which also implies that real evolution possibilities turn up, in particular at SCIA



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So as to go beyond the traditional recruitment procedures (advertisements, Internet site, publicity and head-hunters) SCIA applies the Belgian motto: "together we are strong". To achieve this, we propose our customers and partners to publish their job offers on our site. As professionals of the construction world frequently visit our site, they will be able to find a whole range of vacancies for all kinds of profile types and ambitions.

It is already possible to publish your employment offer on our site or consult the ones which are already on line, on the address: http://www.scia-online.com/int/careers.html



Customer: Technum N.V. Owner: Carinox (Arcelor-group)

About Technum:

Technum N.V. is a dynamic, internationally oriented and strongly growing multidisciplinary office for engineering and consultancy with establishments in Antwerp, Ghent, Hasselt, Leuven and Ostend. Technum provides services for the authorities, industrial and service-providing companies, project developers, international institutions, etc. for each project, single or multidisciplinary, and for each project phase. Technum has the capacity, expertise and creativity required to guarantee clients specialised and complete guidance in numerous fields

About the project:

The new Carinox stainless steel plant in Charleroi is now well underway to achieve a production of 1 million tonnes of stainless steel per year. Following the ramp-up phase, the steel plant should reach full capacity at the beginning of 2007.

The total investing sum was 250 million Euros; the steel structure ran up to a total of 15 million Euros. The total surface of the plant is 23.000 m^2 ; the maximum height is 53 m.

Technum executed the design engineering, included static calculation, detail calculation for connections, general arrangement drawings, material take off, grating drawings, detail drawings so that each workshop could start immediately the

workshop drawings for columns and crane girder entirely detailed.



Steel structure details:

- The total weight is 7533 ton:
 - the part of the columns: 1700 ton crane girders: 1900 ton
 floors: 650 ton

 - roof: 754 ton
 - walls: 425 ton
 - rest: auxiliary structures

Crane capacity:

- EAF-bay: 300 ton
 - ٥ AOD-bay: 360 ton
 - Casting bay: 100 ton Tundish bay: 60 ton
 - 0
- Bins level on 43 meters
 - dead load: 700 ton
 - capacity: 6000 ton

All the design engineering was done in ESA-Prima Win. The roof-structure and columns, even as the walls, are calculated in a 3D-model, the longitudinal bracings in a 2D-model





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2 van 3



TECHNUM



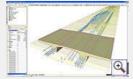
the next working day. Please also check SCIA's Job

Openings. Good luck!

GALLERY

Screenshots illustrating some new features in SCIA•ESA PT 2006









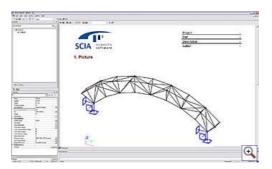
When viewing a structure in the general environment, it is possible to **show the surfaces** of the structure and to **render** these surfaces using the respective buttons



For 1D members it is required to first activate the surface because if no surface is activated, nothing can be rendered. For 2D members this is not required since a 2D member by default 'is' a surface.

This same idea is used in the document. When a **Wired** view of a structure is sent as a picture to the document, the properties of the picture can be edited using the **Properties Window**:

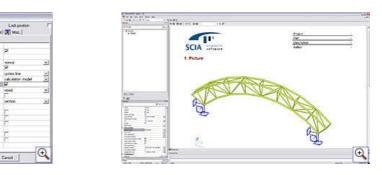
When the **Display mode** is changed from **Wired** to **Rendered**, nothing happens: the rendering is activated however the surfaces are not yet visible.





The solution is thus to activate the Member surface through the Structure tab of the View Parameters.

After activating the surfaces, the structure is shown with its rendered surfaces:



It is important to keep this in mind since the applied procedure does not require the user to exit the document: all picture manipulations can be done through the Properties Window.

About this SCIA eNews

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E:

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