



NL FR EN DE CZ

Home | Company | Solutions | References & Markets | News & Press | Support & Downloads | Contact

April 2011

Latest News & Events

- **Free Technical sessions** on hot topics are being organised in the Benelux (Dutch - French)
- **New brochures** are now ready for download. **Precast Solutions** and **Scia Engineer Structural Edition**
- Nemetschek Scia will be present at the **Kaltenbach IPS** exhibition in Lörach (D)
- Nemetschek Scia will be present at **Project Qatar** exhibition - 2 till 5 May 2011
- Visit our **Webshop** and take advantage of our **special offers!**
- All you need to know on the Eurocodes... Visit www.eurocodes-online.com
- Join our **new IQ Platform** and contribute to the **future evolution of Scia Engineer!**
- Scia invites you to participate in the survey: **"Users of Software for Design and Engineering"**
- Are you a **student or professor?** Download **Scia Engineer** for free...

Software Updates

- Customers can download the **latest service packs** from our [secured download section](#).
- **Scia Engineer 2010.1.690**
- **Scia Steel 2010 SP2**
- **Allplan 2011 HF4**
- **Allplan Precast 2010.1-1**
- Get an **automatic notify** through RSS when a **new Scia Engineer Service Pack** is available. 

Training & Support

- **Free interactive eLearning.**



- Group trainings for **Scia Engineer, M Series, Allplan...** Consult our **training agenda** and register online...



- Interested in an individual customized training at your offices? **Please contact Mrs. K. Verhille.**
- Any questions? Put it on the **Scia Forum!** [Register...](#)

Software Gallery

- Showroom designed with **Scia Engineer**. A steel structure with a touch of art! Our client: Ai Structures

Dear eNews reader, we are happy to bring you the following topics:

- **Nemetschek and COINS**
- **Dry Dock Complex at Duqm Port, Oman**
- **Tips & Tricks: Freeform Bar Shape in Allplan Engineering**

Nemetschek and COINS

*Certification process of COINS implementation in commercial software started
Announcing the development of a COINS compatible Building Information System (CBIS)*

COINS stands for "**Construction Objects and the Integration of processes and Systems**" and has the objectives to improve processes and information sharing in construction projects. COINS is widely steered by the Dutch Engineering Construction Industry, represented by all major Engineering Consultants, Contractors, Research Institutes and the Government. Originating from the Netherlands, COINS gets **international attention** thanks to the support of BuildingSmart, the worldwide organisation for BIM standards (Building Information Modelling).

Essentially, through COINS, project requirements are linked to 3D objects. In the future construction partners will exchange COINS containers, which include 3D model data and documentation (drawings, texts...). The contributions of the various project partners are merged in a central database, allowing a consistent management of changes to specifications, documentation, objects, etc. Nemetschek has implemented a **direct interface to COINS** specification standards in its flagship software products **Scia Engineer** and **Allplan**.

Nemetschek Scia is one of the first companies that has started the **COINS certification process**. Nemetschek is currently developing a BIM server collaboration solution, the basis for full deployment of COINS in practice.

For more info, contact Mr. Herman Oogink, CTO of Nemetschek Scia or [click here](#).



top

Dry Dock Complex at Duqm Port, Oman

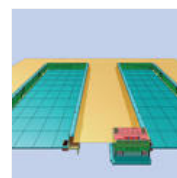
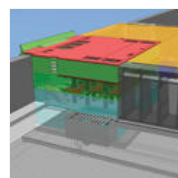
About Daewoo E&C

Daewoo E&C, Korea, is one of the industrial leaders in the fields of civil engineering, contracting, housing projects, and power plants. This leadership is based on exceptional technical know-how and outstanding corporate managerial skill. Having completed numerous projects in over 40 different countries, Daewoo E&C has earned a strong reputation for the Korean construction industry. For this specific project, a partnership was created with BasisSoft, Inc.

About the project

The Ministry of National Economy of Oman planned a dry dock ship repair yard as part of the Duqm port, about 600 km southwest of the capital of Muscat. The facility which includes two docks will serve international navigation and repair vessels. The dry docks and a floating dock are designed by Daewoo E&C.

The overall size of this port project is about 1 000 000 m². The major works include the construction of two dry docks, marine structures including outfitting quays, workshops and plants, administrative buildings and associated various mechanical and electrical facilities. Because of the very tight construction schedule, Daewoo E&C needed a solution that would enable them, during the design phase itself, to detect and resolve the potential construction issues. Daewoo E&C used Allplan for this project. A challenge because it was the first big project designed with Allplan in South-Korea. They worked together with BasisSoft, Inc to manage this project within a 3 month deadline, from November 2008 up to January 2009. During this period, BasisSoft, Inc. stayed in close contact with Nemetschek Scia for technical support and consulting.



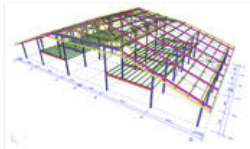
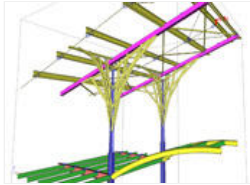
All structures of the dry docks and pump room were modelled as 3D objects and fully fitted with 3D reinforcement. Tonnages and volumes have been deducted directly from the 3D model. Bar bending schedules and summaries have been automatically created from the 3D reinforcement. All construction drawings were derived from the 3D model with reinforcement using the shell module and designed according to the Korean standard. This approach made it possible to inspect conflict zones, to identify design and calculation flaws and to make the necessary corrections before the actual construction started.

- Read also the Allplan case study. [Download it now.](#)

top

Tips & Tricks: Freeform Bar Shape in Allplan Engineering

In **Allplan 2011**, the tools for entering and placing bar shapes have been expanded and improved. For example, when entering points for the freeform shape, you can now select the **"Match edges"** setting in the input options. Using this option, you can create the bending shape by specifying the start point of the bar segment and after this simply use **tracing the relevant edges** without having to click additional points. Also, the **"meter"** option is available for all the bending shapes. After you have created the bending shape, the bar length is displayed for information. This way, you can immediately check whether the available support



length is exceeded or not. In case of this freeform bar shape, this is the desired result.

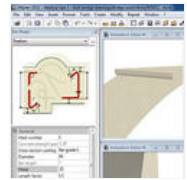
In the next **video clip** of a bridge arch, this new method is applied. Some other new features will be shown as well.

Part 1 (00:00-01:30) preview of the bridge model, creation of the sections.

Part 2 (01:31-02:04) reinforcement is drawn with the setting "Match edges" + the option "meter".

Part 3 (02:05-03:15) positioning of the bars using the method "single placement", which can now be found under the function "Place Bar Shape".

Part 4 (03:15-04:10) overview of the reinforcement setting in the new option dialogue box.



Allplan 2011

[top](#)

- If you are not yet receiving the monthly Nemetschek Scia eNews, [you can subscribe here ...](#)

Nemetschek Scia nv - Industrieweg 1007 B-3540 Herk-de-Stad - Tel: +32 13 55 17 75 - Fax: +32 13 55 41 75

Nemetschek Scia - Copyright © 2011 - info@scia-online.com