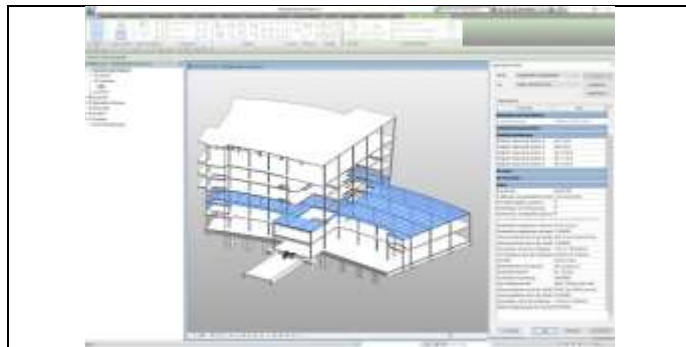


PRESS RELEASE

Cobiax simplifies reinforced concrete slabs and model-based planning in the BIM process.

In October 2017, Heinze Cobiax is to provide intelligent BIM data for reinforced concrete slabs which can be read in as object catalogues in Revit and ArchiCAD.



Cobiax is providing BIM data specifically for architects and building planners in two levels of detail and in German and English language versions to download free of charge: www.cobiax.com/downloads

File name: COBIAX BIM in Revit

Source: Heinze Cobiax

BIM data from building experts for building experts

With the support of the top-class engineering office albert.ing GmbH from Frankfurt, Cobiax has now made relevant BIM building element data freely available in the form of object catalogues. As a result, Cobiax is supporting more effective planning and modelling for building construction projects.

The developers from albert.ing have gone one step further, because the Cobiax data is located specific to the object in the system families and can be used in further applications. It is possible to exchange this data barrier-free via the open format IFC. Even data export into Excel has been taken into consideration.



Free BIM building element data provides real added value

Using the building element data by Cobias, it is already possible to include Cobias void former technology at an early stage of the planning. Numerous advantages thus arise for construction planners which range right through to savings on construction materials and forecasting of construction cost reductions.

As a result, the architects and designers possess relevant and reliable construction project data in order to further enthuse their clients regarding their planning ideas.

Furthermore, architects using this data will be supported to a significant extent through continuous information management, because this BIM data is linked with useful product information. This enables the generating and printing out of reliable object information with only one click.

Effective work simplification in performance phases 2 to 4

So that architects and construction planners are able to use the building element data without any complications, the Cobias BIM data is currently processed for integration into the modelling software Revit and also into ArchiCAD.

The Cobias BIM data is prepared for architects as user-friendly object families for the intuitive modelling of reinforced concrete slab designs. Simultaneously, the specifics of the voided flat slab and the design advantages of the Cobias void former technology are taken into consideration.

This leads to relevant volume data for the concrete and automatically generates information regarding the sustainability evaluation which, amongst other things, is required for a sustainability certification.

User benefits with added value at a glance:

- Comparative representation of traditional reinforced solid concrete slab and the Cobias voided flat slab
- Reduction of the concrete slab depth without constructional and design disadvantages
- Savings on concrete in m³
- Dead load reduction in t
- CO₂ savings
- Forecast for construction costs optimisation, right up to a realistic construction cost reduction forecast
- Support with pre-dimensioning of the slab geometry

Continuous support

Sales engineers at Heinze CobiAx Deutschland GmbH support both the implementation of CobiAx BIM data for use in the (pre-)planning phase and also for slab pre-dimensioning. The building company executing the work is also supported in advance by CobiAx with the positioning of the void formers made from recycled plastic. As a result, a smooth construction process is ensured.

Perspectives

As an innovative company with expedient construction solution optimisations, Heinze CobiAx also intends to provide the BIM data for use in AVA programs.

In addition, a detailed object catalogue is to be created for the execution planning as well as an interface for the bi-directional transfer of model information for the design software “quick & light”.

The provision of object information for 5D models for construction site management and construction logistics is also planned.

Graphics, captions:



The intelligent BIM data by CobiAx can be read in as object catalogues in Revit and ArchiCAD. It already provides planners with important parameters in the design phase.

Soon, this BIM data will also be available for use in AVA programs. Furthermore, detailed object catalogues will be created for execution planning, and an interface provided for the bi-directional transfer of model information for the design software “quick & light”.

File name: Prinzip COBIAX BIM-Objekte

Source: Heinze CobiAx



Due to the integrated information evaluation, planners already obtain all the relevant parameters during the design planning: Graphical, constructional and as a properties list. This list is extremely helpful as a basis for argument during project presentations.

*File name: Auswertung COBIAX BIM-Objekte
Source: Heinze Cobiax*

Key words

Heinze Cobiax, Revit, ArchiCAD, building solution optimisations, BIM data, albert.ing GmbH, IFC, performance phases 2 to 4, concrete savings, dead load reduction, pre-dimensioning, slab geometry.

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