

## PRESS RELEASE

### **A comprehensive service package “Made by Heinze Cobiax” for more efficient reinforced concrete slab constructions.**

Those who develop innovative and above all environmentally-friendly products and construction principles also convince customers with their service.

The technology by Heinze Cobiax Deutschland GmbH makes it possible to make reinforced concrete slab constructions more lightweight and thus more efficient in their principle of operation. In addition, Heinze Cobiax provides support in the application and implementation of the voided flat plate slab technology with a targeted service package from which building owners, architects, structural engineers, construction companies and the reinforced concrete or shell construction builders executing the work can profit. In summary: real added value for all those involved in the construction and the project.

### **Specialist consultation from those with practical building experience for those with practical building experience**

Experienced employees with practical building experience are available to customers of Heinze Cobiax and all those involved in construction for personal contact and overall support. This guarantees that the use of the voided flat plate slab technology fully benefits all those involved in construction maximally and sustainably – the building owner (investor), the architects, the structural engineers, the specialist planners and the construction company.

In order to use the patented, tried and tested voided flat plate slab technology as effectively as possible, architects and structural engineers are provided with comprehensive support. This starts with the determination of requirements regarding the structural optimisation through the identification of the statics system. It includes the preparation for particular characteristics with appropriate optimisation potential, right up to investigations of variations including preliminary dimensioning work.

Here the engineers at Heinze Cobiax not only compare the optimisation possibilities using the different product lines by Cobiax, but also indicate the opti-



misations possible in comparison to conventional reinforced concrete slab designs.

Naturally, planners are also supported in the preparation of the tender texts, the coordination with the construction companies conducting the work and the subsequent trades. This includes, if desired, a presentation of the system including the explanation of the savings potentials for the client and others involved in the project.

### **Support during construction**

Detailed installation plans are drawn up for the executing companies. In addition, Heinze Cobias also coordinates the logistics based on the construction time schedule with the construction management so that instruction on the system can also take place in good time prior to commencement of the work.

Based on numerous project examples, Heinze Cobias is able to demonstrate what has been calculated for the projects regarding optimisation and savings opportunities. In this way, the presented data and facts for a specific project can be verified more accurately for the decision-makers.

### **Convenient software support**

The Cobias software tool "quick & light" provides the convenient possibility of easy determination and inspection of the cross-sectional structure and the determination of the relevant Cobias-specific input parameters such as load reduction, stiffness factor and shear force factor or the adapted shear resistance for definition of the void former areas. Using the input values, the static calculations for a Cobias voided flat plate slab can be undertaken with any measurement program.

Supplementary to the dead load reduction, the stiffness factor and the shear force factor, the concrete reduction can be calculated by the software tool "quick & light" through the plastic void formers, as can the specific dead load of the Cobias voided flat plate slab. In addition, the shear force transmission into the interconnecting point with a reduced bonding surface can be verified.

### **Practical examples document our successes**

Numerous installation examples from every conceivable type of civil engineering project in the area of new construction, storey additions and revitalisation bear witness to the efficacy of the system when comprehensively optimising such projects.

With this data and these facts, Heinze Cobias also supports the sustainability certificates building owners strive to obtain, as the significant reductions in building materials – achieved through the plastic void formers made from recycled materials – have a

substantial influence on the standard certifications applicable today for modern properties, for example acc. DGNB, LEED or BREEAM.

**Wide-ranging savings**

Very frequently, the use of voided flat plate slab technology results in further advantages such as the simplification of the foundations, the reduced groundwater drainage during the construction period and the reduction of further load-transferring components through lower reinforced concrete slab weights, to name but a few striking points from practical experience.

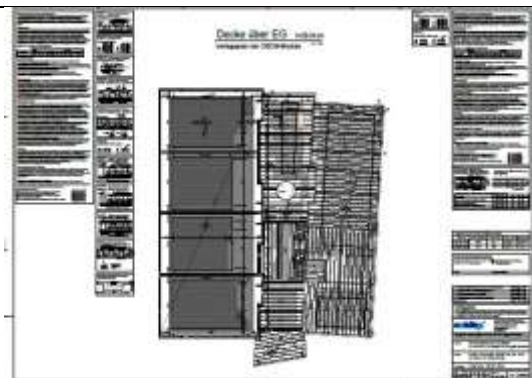
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Service quality: Each project is optimised to its maximum extent at Cobias: support grids, ceiling thickness etc. are calculated in order to fully and sustainably utilise all savings opportunities.

On right: Barbara Staab and on left: M. Eng. Jan Cote, Project Manager/Sales Engineer.

*File name: Cobias Service package, consultation  
Source: Heinze Cobias Deutschland GmbH*



The example installation plan shows the level of detail to which we at Cobias work in order to achieve optimum results with the voided flat plate slab technology.

*File name: Cobias Example installation plan  
Source: Heinze Cobias Deutschland GmbH*

**Keywords**

Service package, Heinze Cobias, reinforced concrete slab constructions, building owners, investor, architects, structural engineers, specialist planners, construction



company, voided flat plate slab technology, construction, software support, Cobias software tools, quick & light

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