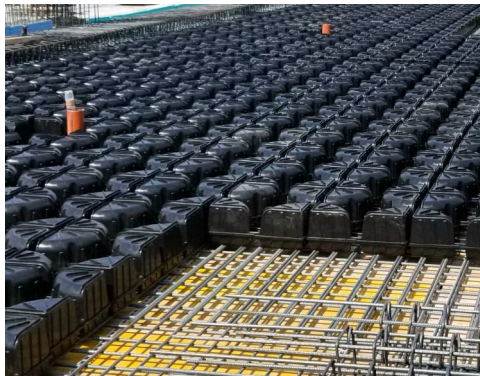
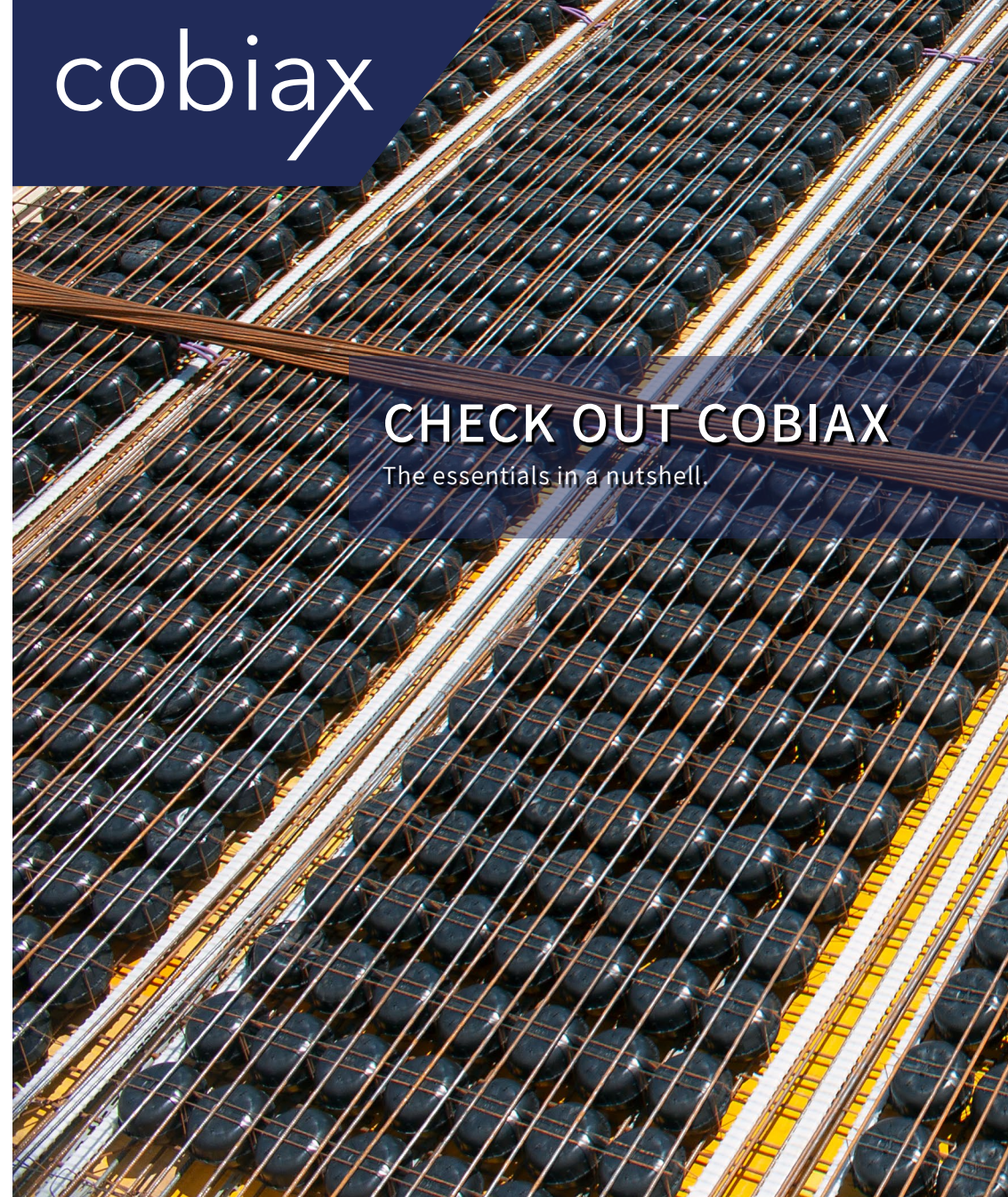
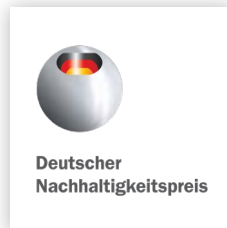
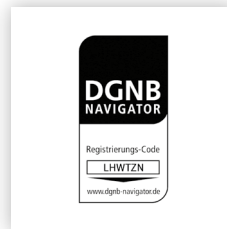
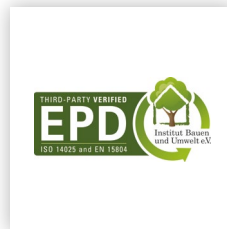


An upcoming Cobiax SL reinforced concrete slab during the first concrete casting process.

CHECK OUT COBIAX • INTL-EN • 02/22 • 5th EDITION



Cobiax CLS ready laid and awaiting upper reinforcement.



cobiax

CHECK OUT COBIAX

The essentials in a nutshell.

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Cobiax is a worldwide registered trademark.

cobiax
wider scopes

cobiax
wider scopes

More cavities. More creativity.

For more than 20 years Cobiax stands for the advantage in voided slab technology.

Cobiax was one of the first technologies that was not only theoretically superior to solid construction, but also demonstrated many of its advantages in terms of safety, sustainability and profitability in practice: More than 14 million square meters of voided concrete slabs based on Cobiax technology have already been produced worldwide.

This saved two million tons of concrete; the environment is relieved by 180,000 tonnes of CO₂.

Cobiax technology not only saves valuable building materials and energy, but also offers a variety of static advantages: Cobiax voided slabs allow larger spans at the same weight as solid slabs; less load has to be supported by all structural parts and the weight of the entire complex can be significantly reduced.



youtube.cobiax.com

The Cobiax Trinity

Safe

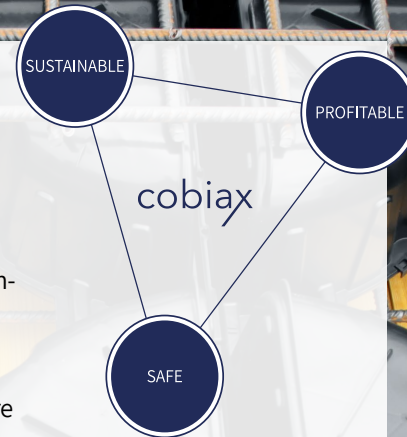
Cobiax voided flat slab constructions fulfil the most stringent international standards. By reducing the weight of the slabs, the risk of a possible collapse of the structure, such as in earthquakes, is reduced. The Cobiax quality assurance guidelines set standards for plastic-based building materials; they ensure permanent stability for many generations to come.

Sustainable

The use of plastic and voiding material replaces at least 25 – 30% of the concrete used for conventional building methods. This reduces the CO₂ emissions, even during the production; the amount of building sand required is also reduced. The void formers themselves are made of 100% recycled plastic; the construction remains stable over several decades and centuries.

Profitable

The economic advantages: The required volume of concrete that needs to be transported, drops by about 30%. The bearing components of the construction can be made lighter and more elegant, due to the reduction of the load to be carried; this reduces the costs even further. Thanks to the lighter design of the building itself, the available net space also increases; this in turn, leads to an increase in the possible returns.

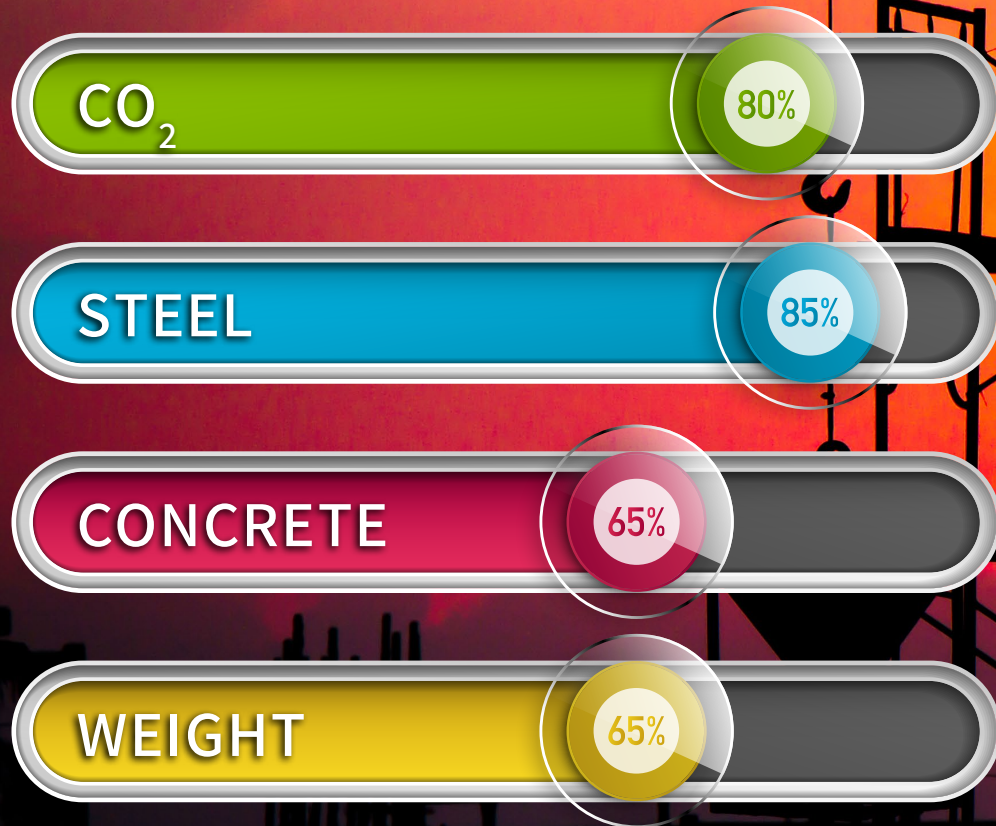




Continue to build like yesterday?

Building with Cobiax is contemporary building.

In virtually every benchmark, the Cobiax technology leaves a conventional construction way behind and scores with a holistic concept.



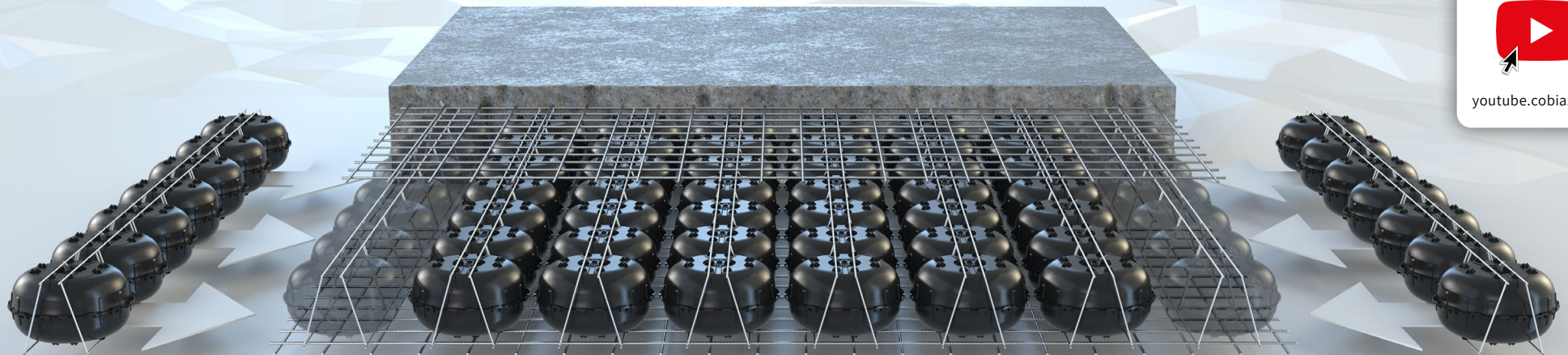
Effective principle

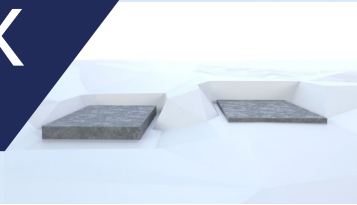
At the centre of the Cobiax system is a void former made from plastic, which takes the place of the solid concrete within the reinforced slab. This not only reduces the weight and the amount of concrete used, but also makes it possible to construct buildings using

thinner slabs and boasting significantly larger span lengths. The Cobiax system also enables a load transfer in two directions, meaning that the static performance and the external appearance of our Cobiax voided flat slabs remain fully preserved. As less material is used, there is also a cost reduction

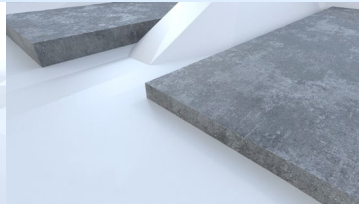
for the entire support structure of a building. As a result of their reduced weight and improved level of efficiency, Cobiax voided flat slabs also enable the dimensions for the load-bearing elements of a building to be lowered, making them the ideal solution for use in optimizing the initial foundation, in

the event of a poor substructure and for the economical renovation and restoration of existing buildings. Furthermore, the environment is protected, as our void formers use less material and are made entirely from recycled plastics.

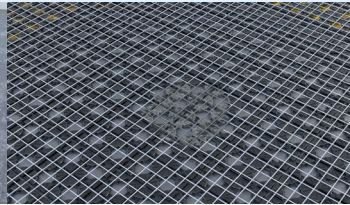




Less excavation



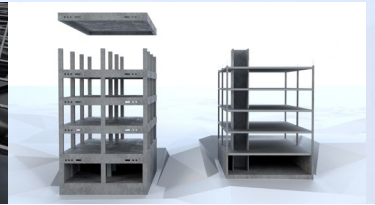
Optimized foundation



Up to 35% less concrete

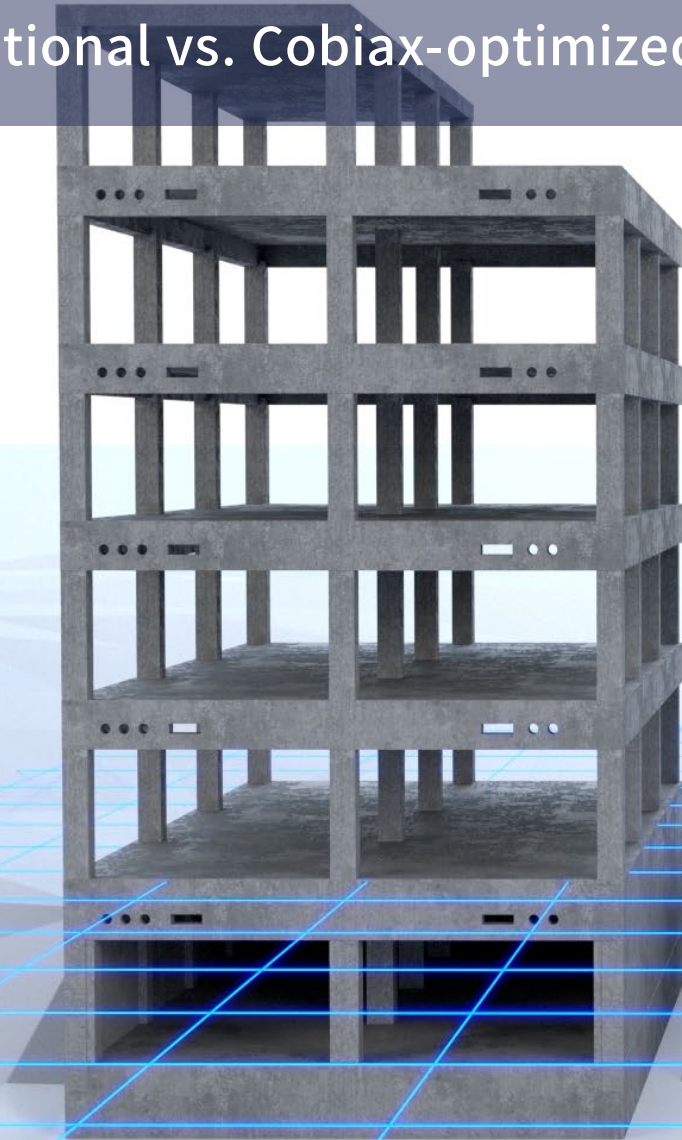


Replaces spacers



Improved support structure

Conventional vs. Cobiax-optimized



A use of Cobiax products

Above all, this means less excavation, less concrete, fewer columns, less weight, less construction time, less costs, less pollution, fewer nerves. Take a look at the differences on the

official Cobiax Youtube channel:



youtube.cobiax.com

A new Sheriff is in town.

COBIAX CLS

For wider scopes with all kinds of slabs.

Newly designed structural formers for the production of material-efficient, lightweight reinforced concrete slabs.

The innovative product line was developed especially with regard to optimized logistics, assembly, simple handling on the construction site, robustness, safety and high performance.

Reduction of concrete..... 46 up to 259 l/m²

Load reduction 114 up to 649 kg/m²

CO₂-reduction..... 0.01 up to 0.054 t/m²

Void height 8 up to 56 cm

Support height 10 up to 58 cm

Bandwidth of slab thickness 20 up to 86 cm

The versatile one

COBIAX SL

For wider scopes with thinner slabs.

The modular product line for international use, thanks to the half-shell technology.

This line of products enables effective transport and easy assembly.

SL can be supplied both as ready-assembled modules with 6 void formers per module for immediate installation and in individual components.

Reduction of concrete..... 53 up to 135 l/m²

Load reduction 132 up to 337 kg/m²

CO₂-reduction..... 0.011 up to 0.028 t/m²

Void height 10 up to 26 cm

Support height 12 up to 28 cm

Bandwidth of slab thickness 22 up to 56 cm

cobix
wider scopes