

cobiax

THIS IS COBIAX • INTL-EN • 03|23 • 8th edition

Cobiax Deutschland GmbH

Am Stadtholz 56

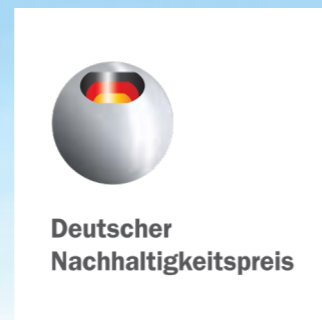
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Cobiax is a worldwide registered trademark.



THIS IS COBIAX

The patented and award-winning void and structural forming technology from Cobiax.

More cavities: more creativity.

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

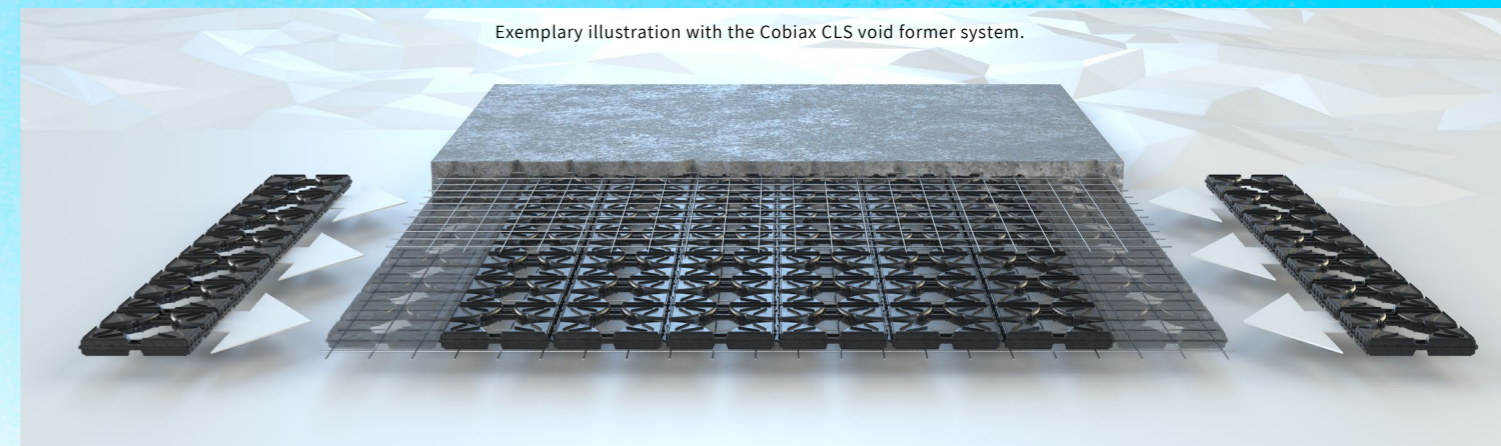
Before the beginning of this millennium, the first voided concrete slabs were conceived and tested.

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: With Cobiax void formers, larger spans can be designed with the same slab thickness or thinner slabs with the same span width compared to solid slab construction. Less load has to be transferred and the weight of the overall complex is significantly reduced.

How much more prizes and tenders architects have won because of the new possibilities, we can not say. But we know: Cobiax voided concrete slabs are not the future, but the present. In favor of freedom of design, sustainability and cost-effectiveness.

Exemplary illustration with the Cobiax CLS void former system.



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.

SUSTAINABLE

PROFITABLE

cobiax

SAFE

Planning smarter: The best bet on Cobiax.



Assima Tower, Kuwait City

Architecture: PLP/ Architecture

Structural engineering: PACE

Reduction of concrete by Cobiax: 9.370 t

Reduction of CO₂: 780 t



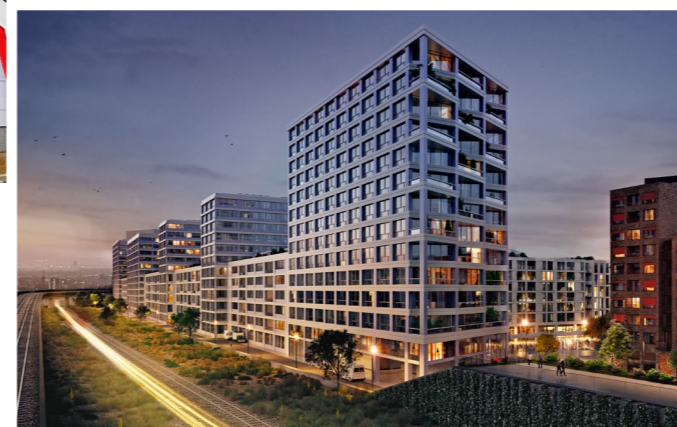
Deutschlandzentrale Microsoft, München

Architecture: GSP Architekten

Structural engineering: Berk + Partner

Reduction of concrete by Cobiax: 3.708 t

Reduction of CO₂: 312 t



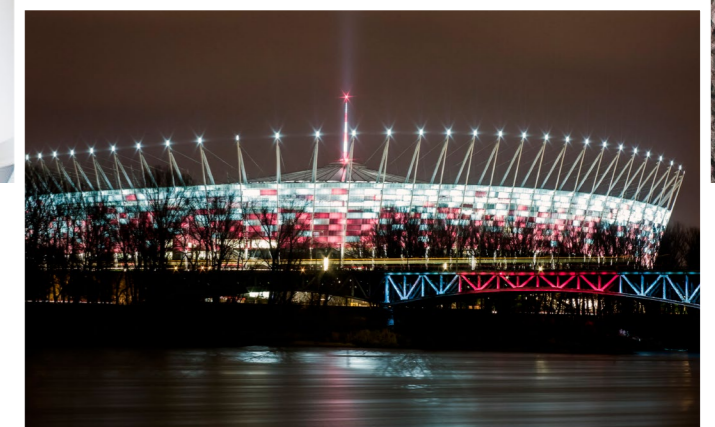
QH Track – Quartier Heidestrasse, Berlin

Architecture: EM2N Architekten

Structural engineering: WSK Ingenieure

Reduction of concrete by Cobiax: 13.000 t

Reduction of CO₂: 1.100 t



Nationalstadion Warschau

Architecture: JSK Architektur

Structural engineering: Matejko I Partnerzy

Reduction of concrete by Cobiax: 34.250 t

Reduction of CO₂: 2.877 t