

Sustainability in Singapore

The **Cobix** void former technology is being implemented in the new UPS complex in Singapore. The technology reduces the building's carbon footprint and labour requirements without compromising on quality.

The UPS complex site, which features Cobix void former technology, is located at Upper Pickering Street next to the CBD and Chinatown, and the development also includes a hotel and office blocks placed on a podium, which is in turn supported by 18m concrete columns, cast in one single stage.

Designed by Singapore's WOHA architects, the building's outstanding feature is the hanging garden forming part of the façade, which contributes to the green and sustainable concept of the building. Cobix void formers are used in the floor slabs leading to an eased execution of the highly complex structure and an increased reduction in the building carbon footprint.

Thanks to the dead load reduction due to the Cobix void formers, the podium, which acts as a transfer slab, could be optimised in depth and material usage. Furthermore, the conversion of the floor slabs from a slab-beam system into Cobix flat slabs allowed an increase in the site's productivity. The combined use of Cobix with Peri system formwork has allowed contractor Tiong Seng to cut the number of required labour for structural works by half. ●



The UPS complex in Singapore.

Further information
Cobix Technologies
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