

Progress Group GmbH, 60549 Frankfurt am Main, Germany

Sansiri invests in sophisticated battery mould technology

Sansiri Public Co. Ltd, based in Bangkok, Thailand, can look back on more than three decades of experience in the field of construction projects and real estate development and has successfully delivered hundreds of projects all over Thailand. With this experience, Sansiri has gained a reputation as one of the leading real estate developers in Thailand for quality housing, offering single houses, attached houses and high-rise buildings.

To construct and deliver high-end quality housing projects and keeping focused continuously on optimized time schedules in combination with minimized usage of resources Sansiri is using state of the art precast concrete technology in their precast concrete factory in Lam Lukka.

By investing in the new battery mould Technology Sansiri is increasing the efficiency and productivity of the factory and also widening the range of products and design flexibility. The battery moulds were designed, manufactured and commissioned by Tecnom, one of the seven companies of Progress Group, a leading group of precast technology suppliers globally.

Sansiri invested in two individually designed battery moulds from Tecnom. Each Battery mould is equipped with 20 pockets (10+10), one with the dimensions of 6.00m x 2.85m for the production of partition walls and the second one 4,00m x 1,50m for the production of fencing elements. Due to the flexibility of the basic shuttering system Sansiri is able to manufacture precast concrete elements in various sizes, in various thicknesses and also different patterns.

The battery moulds from Tecnom ensure very high productivity and quality by using special high frequency vibrators installed at every pocket for constant concrete compaction. This compacting technology allows for the production of precast concrete elements with very smooth surfaces and a very high degree of surface flatness.

The Tecnom battery mould production is supported by a BlueMesh M-System mesh welding machine from progress Maschinen & Automation AG, also one of the seven companies of Progress Group, which is producing tailor made wire mesh for each and every precast element produced in the battery moulds, as well as the company's carousel plant,



Through the successful implementation of hundreds of real estate projects, Sansiri has become one of Thailand's leading high-end real estate developers.



Mr. Phusak Yuthayanont, Deputy Vice President of Engineering & Logistics Precast Concrete Factory, is very satisfied with the new battery mould production.

provided by Ebaue Anlagentechnik GmbH, also one of the seven companies of the Progress Group. The welding machine is designed as a flexible production unit for tailor made reinforcement mesh directly from coil. The combination of these machines and equipment has lead to major savings in manpower requirements and raw material wastage.

In order to lift the already existing high-quality production standards, Sansiri invested additionally in a customized magnetic formwork system which was developed by Tecnom especially for the Sansiri battery moulds. This customized magnetic system allows Sansiri to perform shuttering and formwork activities with the highest accuracy in a minimized time frame.

Daily a fleet of trucks is leaving from Lam Lukka factory to deliver a significant number of precast concrete elements to the various project sites of Sansiri in the greater area of Bangkok. The outcome of the daily battery mould production is currently used for partition walls in different dedicated condominium projects and the fencing elements can be found in all Sansiri projects.

This success story is based on a very professional and trustful partnership between Sansiri and Progress Group. Tecnom provided all services for a smooth and professional implementation of the battery moulds, starting with expert advice during the design and decision taking phase, followed by very transparent manufacturing, delivery and installation activities, and finally sending a team of three battery mould experts to the Sansiri factory for an on the job training. ■



With the new battery moulds, Sansiri produces partition walls and fencing walls.

FURTHER INFORMATION



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