

Topwerk Hess Group GmbH, 57299 Burbach-Wahlbach, Germany

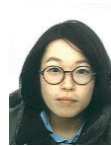
## New block making machine implemented in South Korea

Seoho Ecotop Co. LTD is one of the leading concrete paver manufacturers in South Korea. Established in 1997, the company has almost a 20 years history. They have been well-known for pavers and curbstones in the Korean paver market for a long time. The headquarters is located in Pyeongtaek, Gyeong-gi-do. Mr. Gun-seong Seo, the company founder, owner and CEO, is also the chairman of the Korean interlocking paver association. With this engagement he is definitely a forerunner in the Korean paver market.

■ Hyeyoung Yun, Seoho Ecotop co. Ltd, Korea ■

This year the company has leaped a big step forward through a new license partnership with Techo-Bloc from North America. Through this event the company is planning to broaden their range of products not only in the paver market but also in the retaining wall market. Aiming to launch new products and to produce highly qualified blocks in quantity, Seoho had been looking for a solution provider who is able to support this ambitious goals.

With Topwerk, a leading supplier of complete integrated solutions for the concrete industry, Seoho found a powerful partner. The German company with its headquarters in Burbach-Wahlbach recently installed a new plant with their inline block making flagship RH 2000-3 MVA in Seoho new factory. The mixing plant for this project was provided by a combination of two Wiggert mixers with



■ Hyeyoung Yun, Foreign affair manager, Seoho Ecotop co. Ltd (since 2016), Inoblock (2014-2016), Ph. D student in European area studies at Korean Maritime University, Master's Degree in Fine art at ENSA Bourges in France, Bachelor's Degree in European area studies at Korean Maritime University

controls made by PTA which also belongs to the WiCo-Group. A local Korean company (Duksan Co.Ltd) provided batching transport facilities for the mixing plant.

The core of the new factory, the RH 2000-3 MVA, is the 3rd RH 2000 concrete block making machine that Topwerk Hess delivered to Korea. The machine has a high-performance hydraulic so that the movement of tamperhead, mold and filler box are monitored and precisely controlled. In addition this block making plant is equipped with the Topwerk Hess Variotronic vibration table with oil bath vibra-



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Topwerk servo cubers



In the refinement process Duksan Co. Ltd. provided a shot blasting plant for this project while the cubers and the buffer devices are made by Topwerk.

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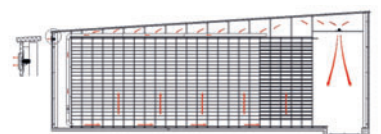


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The curing chamber is equipped by Rotho.

tors. The Variotronic vibrator units in this machine are driven by servo motors which are electronically controlled. This results in an extremely reliable and accurate vibration process for high quality blocks and paving stones. The independent adjustability of frequency and amplitude guarantees optimal vibration during the mold filling process. In total the high-end production machine creates reliable performance for high quality products which totally matches the needs of Seoho. The plant is also equipped with a color mix system to produce a wide range of color-blended pavers. In the new factory, there is a two-boarded Topwerk washing machine to produce washed concrete blocks after the press machine process.

In the refinement process Duksan Co. Ltd. a Korean producer, who delivered the first four plants to Seoho and whose machines are still in use next to the Topwerk plant, also provided a shot blasting plant for this project while the cubers and the buffer devices are made by Topwerk. The feeding of the shot blasting plant to the removal of finished products is performed by two servo cubers which guarantee short cycle times in the added value. The return of the steel pallets is done by a cross conveyor with automatic buffering and a magnet stacking device as well as a buffer conveyor. This allows a high independent operation of wet and dry side, therefore the highest flexibility for the production of different concrete products.

The curing chamber is equipped by Rotho. Rotho delivered the curing racks and the air circulation system as a whole package to Seoho Ecotop. This is the first time that Rotho delivers to a South Korean client with a whole curing chamber system. 13 curing chambers are filled with steel plates and the natural air circulation from the concrete heat can dry the wet concrete in 24 hours with no other consumable energy consumption.

With the new Topwerk Hess concrete block making plant and its strong partners Seoho Ecotop Co. LTD is definitely on the way to accomplish the aims they set regarding the company development.

#### FURTHER INFORMATION

**TOPWERK**  
HESS GROUP

HESS Group GmbH  
Freier-Grund-Straße 123  
57299 Burbach-Wahlbach, Germany  
T +49 2736 497 60  
F +49 2736 497 6620  
[info@hessgroup.com](mailto:info@hessgroup.com)  
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