

Echo Precast Engineering, 3530 Houthalen, Belgium

Worldwide Unique Demo Plant in Belgium

Echo Precast Engineering is a technology supplier for the precast concrete industry focusing on the production of pre-stressed concrete products. In the year 2014 the company invested in a test facility – a fully operational plant for the production of pre-stressed concrete elements. The test plant consists of 2 production beds with a length of 50 meters and a width of 1.2 meters as well as a 36 meters long special bed for slabs with a width of 1.5 meters. A batching plant with 5 aggregate pits, 2 cement silos and a planetary mixer allows the production of high quality concrete. Additionally, there is a concrete laboratory with state-of-the-art measuring equipment.



View on the production beds of Echo Precast Engineering's Demo Plant



The batching plant contains an Ebawe special concrete distributor as well as a Wiggert planetary mixer

The major reason for this venture is Echo Precast Engineering's focus on innovation. New products can be tested immediately under real factory conditions. This significantly reduces time to market and ensures that products have a high degree of maturity once delivered to customers. The company is already successfully testing their newest generation of extruders, plotters and fully automatic sawing machines. Beside to prestressed hollow core slabs, a wide range of concrete elements can be produced on this plant, such as hollow

core slabs with insulation or incorporated heating/cooling systems, beams, lintels, gutters and foundation piles with peaks.

The whole plant is managed by I-Theses Autofloor-Software: The complete layout drawing is prepared in AutoFloor and production documentation – including work sheets, labels, bed layouts and bills of materials – can be generated in BedPlanner. It is possible to create files in PXML, an open data interface invented by Progress



Echo Precast Engineering Slipformer in parking position

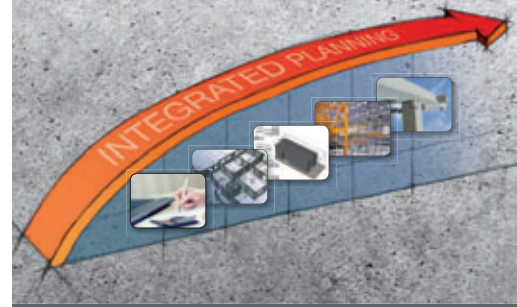


Echo Precast Engineering multiangle sawing machine

THINK IN NEW
DIMENSIONS



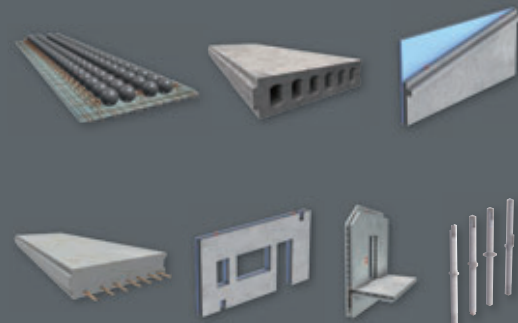
SOFTWARE & SERVICES
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CureTec heating system



Delegates from FloorOffice Conference in March 2015 visited the Demo Plant in Houthalen

Group, the company group Echo Precast Engineering has been part of since October 2012. The PXML format enables to exchange data with the brand new Echo Precast Engineering bed plotter and the Echo Precast Engineering automatic sawing machine.

The test plant helps Echo Precast Engineering understand what really matters to customers. Targets such as reducing variable cost, e.g., by reducing cement consumption, machinery optimization, tooling-up time and minimizing of change-over time have become the primary focus. However, the test plant will not only support Echo Precast Engineering's innovation activities, it is also used to demonstrate all machines of the portfolio to customers.

FURTHER INFORMATION



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