

ENGINEERING days

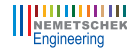
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22nd to
23rd Nov
2012

Program 2012 ▶
Lectures and Workshops

Location ▶
BCA Academy
BCA Building & Construction Authority
Singapore



BCA ACADEMY
of the built environment

Design the future. Thursday, 22.11.2012

09:00

Registration & Coffee

10:00

Welcome Speech

Cheng Tai Fatt / Deputy Managing Director of BCA Academy, Building & Construction Authority

10:15

Session 1 - Introduction

Precast Concrete Design Considerations

Production of precast concrete elements, production stages, quality management and improvement on the basis of automation.

Holger Karutz / CPI-Journal

Precast Building Systems - An Overview

There is more than one precast building system existing. Due to this fact it is important to understand and choose the most suitable system for your conditions.

Christian Prilhofer / Prilhofer Consulting

Building Information Modeling: A Vision becomes Reality

Worldwide efforts in developing digital information systems for managing all data of a building over its entire lifespan provide big advantages for the prefabrication industry. An introduction to and overview of cutting-edge BIM technology.

Robert Neubauer / SAA Engineering

12:00

Lunch & Exhibition

14:00

Session 2 – Best Practise

A House from the Production Line

Bridging the gap between prefabrication and individual planning.

Ben Bergsma / Heembeton | Robert Neubauer / SAA Engineering

From Affordable Housing to Individual Villas with One System

How to produce all types of buildings in a modern system. Examples from Thailand and Mexico to show how versatile the new systems are.

Christian Prilhofer / Prilhofer Consulting

Managing Precast Construction: A Field Report on 20 Years of Experience

Streamlining processes, ensuring higher productivity, minimizing mistakes and optimizing the output by efficient use of specialist precast software.

Thomas Forejtek / Kirchdorfer Industries

16:00

Coffee Break & Exhibition

17:00

Session 3 - Precast Process Technology – Our Services

Factory Planning, Project Management, Startup Support

C. Prilhofer / Prilhofer Consulting

ERP Process: From Sales to Precast Production

T. Leopoldseder / i-PBS Production Business Solutions

Design the Building: From Conceptual Model to Precise Drawings and Data for Production

Y. Mesri / Nemetschek Engineering

The Production Process in a Pallet Circulation Plant

C. Hanser / SAA Engineering

ERP Process: From Production to Mounting on Site

T. Leopoldseder / i-PBS Production Business Solutions

Benefits of BIM: Model Visualization. Smoothing out Difficulties before they Occur

B. Leitner / Nemetschek | R. Neubauer / SAA Engineering

20:00

Dinner & Get together

Build on strengths. Friday, 23.11.2012

08:00

Coffee & Exhibition

09:00

Session 4

Meeting the Challenges of the Southeast Asian Building Market

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How to Implement the Precast Technology Successfully

If you want to use the precast technology consider that precast is a system not a machine. Examples given how to start with the system successfully.

Christian Prilhofer / Prilhofer Consulting

Coffee Break & Exhibition

10:00

Session 5 - Exhibitor Workshops

Plant Concepts for 2-dimensional Solid Elements

Mirko Feldkamp / Avermann Maschinenfabrik, Germany

New Developments in the Production of Complex Reinforcement for the Precast Industry

Roberto Bernadinis / AWM - Automatic Wire Machines, Italy

Efficient Reinforcing of Precast Concrete Elements

General issues - case study: Singapore - case study: PRC

Andreas Zach / EVG Wire Machines, Austria

Laser Projection Systems in the Prefabricated Industry

An overview of the advantages especially in the production of constructive elements. How it is used in the industry to get full benefits in terms of economic and constructive advantages.

Michael Ehrenfried / Mecoon Lasertec, Austria

Integrated Multi-national Planning and Control for the Precast Concrete Industry

Examples of planning processes in the i-PBS Enterprise Suite.

Thomas Leopoldseder / i-PBS Production Business Solutions, Austria

Industrial Shuttering Building Set for Horizontal Production

An overview of the different kinds of shuttering systems for pallet circulation plants and stationary production with and without robot manipulation. Practical examples from the production via pumping process upcrete®, based on the example of the customer Robin Village in Singapore.

Jörg Reymann / RATEC, Germany

Automated Manufacturing Process for Multi-layer Concrete Panels

Several patents are manifesting innovative machine & control technology regarding modular shuttering system, shuttering & de-shuttering robot, insulation processing, attaching facade elements like bricks or tiles and automatic casting.

Alfred Strassmeier / Sommer Anlagentechnik, Germany

Tekla Structures, BIM for Design and Constructability

Designing 3D models with Tekla Structures makes it easier to sketch out the most complicated objects, and it is possible to predict errors at the site, resulting in total constructability.

Thorsten Hertel / Tekla, Finland

Modern, Cost-Efficient Production of Precast Elements

An expert insight into different production methods and plant technology.

Hans-Jörg Vollert / Vollert Anlagenbau, Germany

Increasing Productivity through using Precast Concrete - The New Precast Hub of Singapore

Hermann Weckenmann / Weckenmann Anlagentechnik, Germany

Building Technology meets Machine Technology

Benefits resulting from integrated design of prefab constructions. How things fit together.

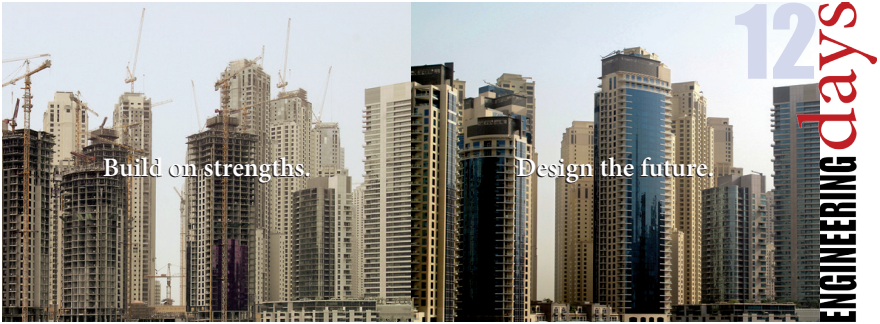
Christian Prilhofer / Prilhofer Consulting, Ingo Spohr / Zerna, Germany

13:00

Lunch & Exhibition

15:00

End of Conference & Exhibition



Conference location

Function Hall
 BCA Academy
 Building and Construction Authority
 200 Braddell Road, Singapore 579700
www.bca.gov.sg

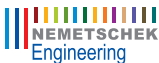
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Information

- Conference language is English.
- Order and time of the workshops will be announced at the conference.
- Exhibition of suppliers of plant machinery, consulting services & software taking place in parallel on both days.
- Registration fee: 600 S\$

Registration form at www.engineeringdays.org

Engineering Days Asia 2012 / Nov. 22nd – Nov. 23rd 2012



Nemetschek Engineering GmbH
 Stadionstraße 6
 5071 Wals Siezenheim / Austria
www.nemetschek-engineering.at
 Tel: +43 662 854 111
 Fax: +43 662 854 111-610
info@nemetschek-engineering.at



SAA Engineering GmbH
 Gudrunstraße 184/4
 1100 Vienna / Austria
www.saa.at
 Tel: +43 1 641 42 47-0
 Fax: +43 1 641 42 47-21
office@saa.at



Prilhofer Consulting
 Münchener Straße 1
 83395 Freilassing / Germany
www.prilhofer.com
 Tel: +49 8654 6908-0
 Fax: +49 8654 6908-40
mail@prilhofer.com