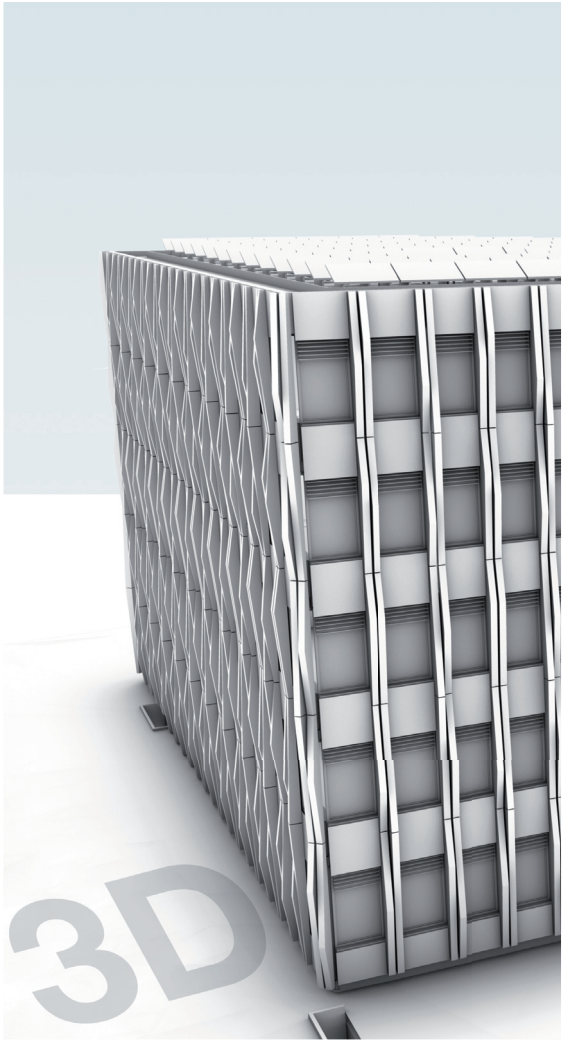
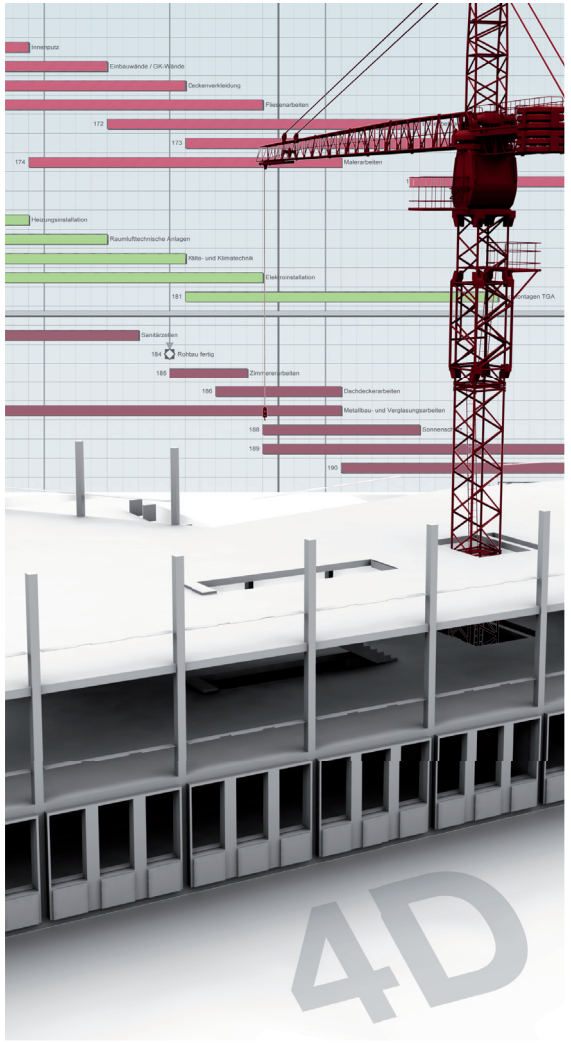
LAKE CONSTANCE 5D-CONFERENCE 2012

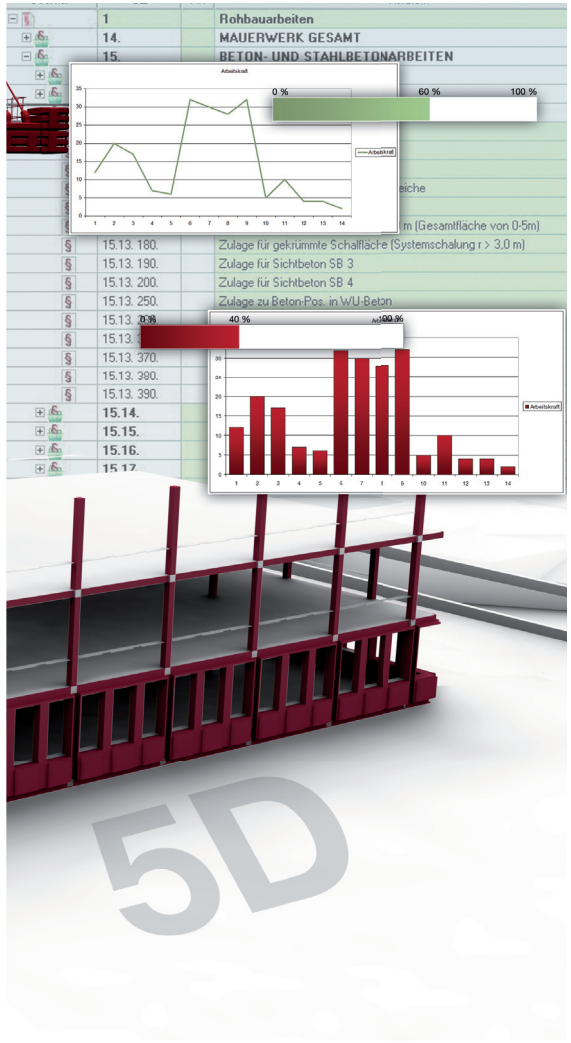
CONSTANCE, MAY 21 – 22



A computer model of a building containing the location-, geometry-, property- and attribute information of its building components (commonly referred to as Building Information Model)



A computer model that integrates information of building components with the respective start and finish times of their construction.



A building information model including all process data (i.e. input/ output data from processes like supply, progress, production, budget, cost, controlling, facility management, etc.)

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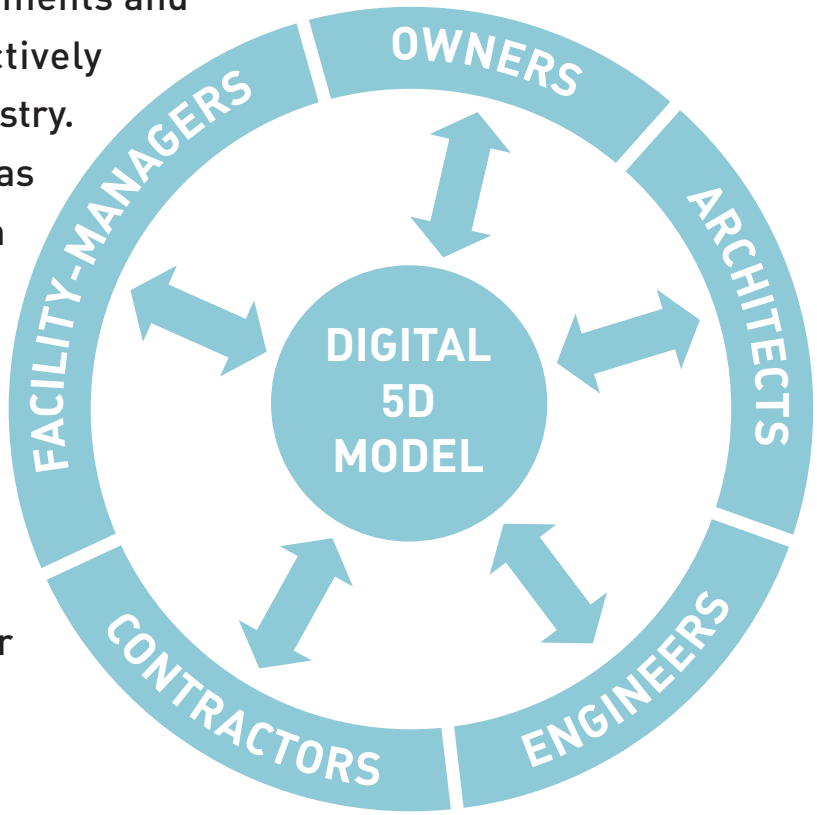
TARGET

The aim of this conference

The first international 5D Conference will take place on the 21st and 22nd of May 2012 at the University of Applied Sciences in Constance. Representatives of the construction industry will present their current experiences and skills in applying 5D model-based process integration in practice. Their aim is to discuss the current status of model-based processes and to debate on future developments and envisioned goals. This way we can pro-actively shape the future of the construction industry. To stimulate a healthy exchange of ideas during this debate and benefit from both practice as well as research experience; we also invited some universities. Key speaker for providing us with an academic context will be Prof. Martin Fischer (Stanford University). More information on the conference's location, hotels and the program will be made available to you on our website www.htwg-konstanz.de/5d.



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ABOUT 5D

5D digital construction:
The use of BIM in construction processes

Definition of 5D: 5D means augmenting the existing BIM with process and progress information to create and safeguard a higher process-integration and control from very early design to engineering, fabrication & construction onto operation & maintenance, so as to decrease process waste and improve project results.

Many construction companies worldwide have started to initiate programs for finding solutions, processes, and implementation strategies to use 5D solutions in their daily workflow. Principals have also seen the benefits of these solutions and are trying to find ways to exploit these new possibilities. Software companies on their part have identified that for the demands of 5D, which will fundamentally change existing construction processes, new software solutions have to be developed.

The 5D initiative, a consortium of five major construction companies, joined forces to aid this cause. Their aim is to specify pragmatic and functional requirements for these 5D solutions for the whole construction sector. For further information we would kindly like to refer you to their website www.5d-initiative.com.

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CONFERENCE DAY 1

MONDAY, MAY 21

12:00 Registration and exhibition of sponsors

14:00 Welcome address and introduction
Dr. Kai Handel, President HTWG Konstanz
Klaus Pöllath, Vice President (Technical Affairs), German Construction Industry Federation
Menno de Jonge, Vice President Encord

14:30 Benefits of model-based process integration
Prof. Martin Fischer, Director, Center for Integrated Facility Engineering, Stanford University

15:15 Coffee break and exhibition of sponsors

16:15 Process integration: From 3D/BIM to 5D
Konstantinos Kessoudis, Chairman, 5D Initiative

18:00 Social event
Boat trip and dinner on Lake Constance
22 - 23 h return to Constance

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CONFERENCE DAY 2

TUESDAY, MAY 22

9:00 **Challenges in design and construction of buildings & infrastructure**
Pierre Benning, Deputy director IT, Bouygues Travaux Publics

9:45 **The potential of project lifecycle approach through 5D**
Tan Kia Loke, Senior Managing Director, The Sunway Group, Malaysia

10:30 **Coffee break**

11:00 **5D as a requirement from the client's perspective**
Fatima Al Jaber, COO, Executive Director - Board of Directors, Al Jaber
Shankar Das, CIO, Al Jaber

11:30 **Building Information Modelling Capabilities in the Middle East**
Mark Baldwin, BIM Implementation Manager, Oger International Abu Dhabi

12:00 **Lunch at the Konzil**

13:00 **Integrated project delivery - a key for lean production**
Will Lichtig, Vice President, Business & Process Development, The Boldt Company
Dave Kievet, Group President - Western Operation, The Boldt Company

13:45 **5D technology in use and requirements for further development**
Members of 5D initiative: Wilfred v. Woudenberg, Royal BAM Group;
Dr. Arjen Adriaanse, Ballast Nedam; Konstantinos Kessoudis, STRABAG SE;
Dr. Marcus Schreyer, MAX BÖGL; Issam El-Absi, CCC

15:00 **Panel discussion**
Moderator: Wolfgang Müller, RIB

16:00 **Closing**

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GENERAL INFORMATION

Conference fee: 500 Euro

Included:
- Conference transcript
- Catering service (Coffee breaks and lunch buffet)
- Boat trip and dinner on Lake Constance

Monday evening´s social event

Boat trip and dinner on Lake Constance

17 - 18 h boarding (landing place across from the venue)

Round-trip on Lake Constance with dinner buffet. This is a great chance for continuing discussions with leading 5D stakeholders and for international networking.

22 - 23 h return at harbor Constance

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CONTACT & REGISTRATION

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Hochschule Konstanz Technik, Wirtschaft und Gestaltung
University of Applied Sciences

Fakultät Bauingenieurwesen / 5D

Brauneggerstraße 55
78462 Konstanz
Germany
mailto: 5d@htwg-konstanz.de

Please register at:

http://www.htwg-konstanz.de/5d

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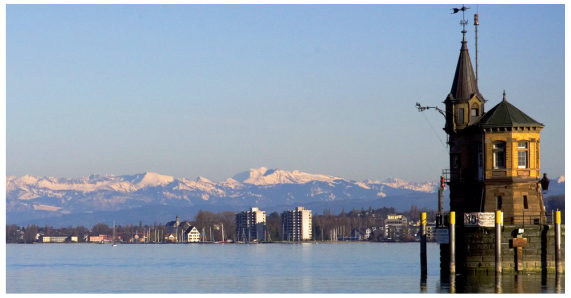

LOCATION

The city of Constance is situated in the southernmost part of the Federal Republic of Germany, in the state of Baden-Württemberg. With a population of 80,000 it is the largest city on Lake Constance and a focal point in the „Euregio Bodensee“ (the European region that includes the vibrant economies of western Austria and eastern Switzerland). Constance is renowned as a tourist center thanks to its attractive natural surroundings, extensive recreational opportunities and its historical and cultural riches.

The Conference will take place at Konstanzer Konzil. This historic building is located directly at the waterside.

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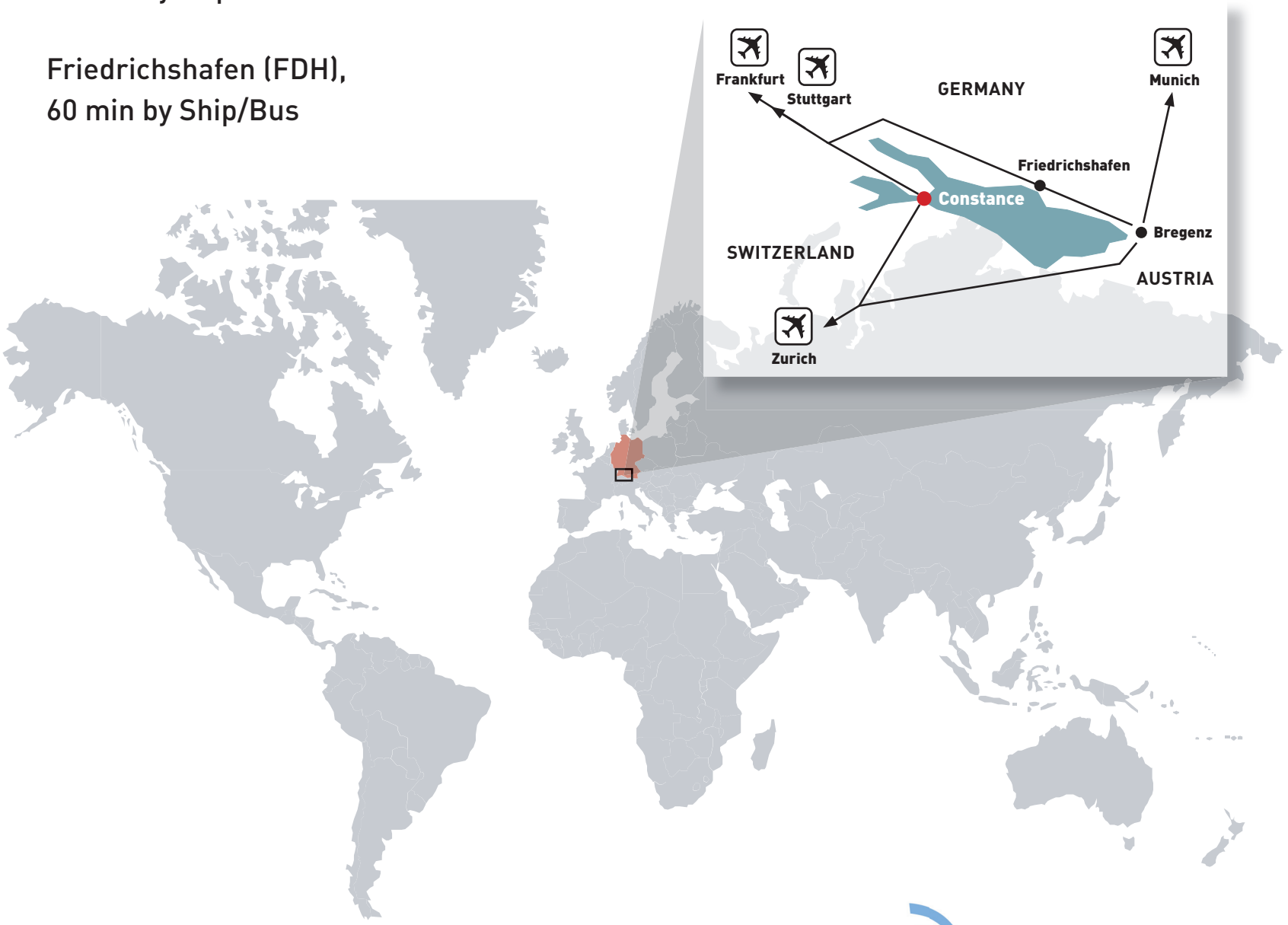
GETTING HERE

Nearby international Airport:
Zurich/Switzerland (ZRH),
50 min by airport shuttle

Friedrichshafen (FDH),
60 min by Ship/Bus



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