

# **SEMINAR 31st JANUARY 2013 COPENHAGEN**

# openBIM

**CLIENTS AND FACILITY MANAGERS EXCLUSIVELY!**

## FOR A NORDIC SUSTAINABLE

## BUILDING INDUSTRY

### ***THE BUILDING INDUSTRY NEEDS BETTER TOOLS TO ACHIEVE MORE AMBITIOUS GOALS***

The road to a sustainable building industry does not stop by defining political goals. We need to make the industry capable of achieving the goals.

openBIM is one of the most important stepping stones in the transformation of the building industry. The Nordic countries are front-runners in the development, but we are relatively small compared to countries like USA, Germany and China.

There is a big potential in coordinating the Nordic development and influence the international standardization and software development.

Together with the seminar host, The Danish Association of Construction Clients, buildingSMART Nordic and buildingSMART Norway invites decisionmakers, managing directors and managers to an informal Nordic Workshop for stakeholder clients.

The objectives of the seminar is to contribute to better coordination in the Nordic openBIM development, define prioritized requirements and potentially define common Nordic development.



# PROGRAM

# 31st JANUARY 2013

- 09:30** *Coffee and informal discussion*  
**10:00** *Opening*  
*buildingSMART and Henrik L. Bang, Director Danish Association of Construction Clients*
- 10:30** **Sustainability by openBIM**  
Use of openBIM on the new Iceland National Hospital to achieve strict sustainability requirements.  
*Óskar Valdimarsson, CEO, Government Construction Contracting Agency*
- 11:00** **From politics to openBIM Requirements**  
A presentation of the new openBIM strategy from Helse Sør-Øst - South-East Norway Regional Health Authority, as a direct consequence of political requirements and strategic goals for the largest healthcare authority in Norway.  
*Kjell Ivar Bakkmoen, South East Norway Regional Health Authority, Norway*
- 11:30** *Lunch*
- 12:30** **Finnish requirements for energy simulation**  
New BIM requirements for energy analysis.  
*Tuomas Laine, Director, Innovation and Development, Granlund Oy*
- 13:00** **openBIM in Architectural Competitions**  
BIM models are used for visualization of the building design and the relationship with the surroundings. space analysis, costs and energy analysis from openBIM.  
*Marianne Thorbøll, Architect, Danish Building Property Agency*

- 13:30** *Break*
- 14:00** **openBIM IS PROFITABLE!**  
Danish survey of the economical impact of Open-BIM. Short presentation of a new method for measuring economical benefits, and presentation of results from four case studies.  
*Peter Hauch - Arkidata*
- 14:30** **Sustainable Value Perspective for Architecture**  
Energy efficiency parameters implemented in the design from the first sketches of the creative process.  
*Jakob Strømmand-Andersen, Henning Larsen Architects, Denmark*
- 15:00** *Break*
- 15:15** **openBIM based Communication in large projects**  
How information can be seen used and communicated between and inside organizations.  
*Marcus Bengtsson, BIM-management team, White/Tengbom Architects*
- 15:45** **Discussion**  
Goals for developing a sustainable building industry.  
*buildingSMART.*
- 16:45** *Workshop closure*
- 17:00** **After-meeting networking**  
Informal discussion and mingling.  
Fingerfood and wine/beer will be served.



# THE SPEAKERS

## **Óskar Valdimarsson**

*CEO, Government Construction Contracting Agency*

The Government Construction Contracting Agency (GCCA) is a government agency responsible to the Ministry of Finance. It manages construction of all state owned buildings in Iceland. The agency provides consultancy services to ministries and public organizations regarding technical matters and the preparation of construction projects. GCCA is leading in standardisation of procurement methods and a pioneer in the use of information technology in its field. Óskar is pioneering work within both BIM-Iceland and The Icelandic Green Building Council.

Óskar has a MSc in Civil Engineering from The University of Alberta, Edmonton, Alberta, Canada and The University of Iceland, Reykjavik, Iceland.

## **Kjell Ivar Bakkmoen**

*Architect MNAL, Senior Advisor in the South-Eastern Norway Regional Health Authority.*

Kjell Ivar has been a project leader and design manager for large projects in C.F. Møller Architects for the last 11 years. From 2001 to 2007 he was working with the new Akershus University Hospital project (136.000m<sup>2</sup>) outside Oslo, Norway. After 2007 he has been involved in the new National Hospital in Reykjavik, Iceland, a new National Diabetes Center in Riyadh, Saudi Arabia and a new Humber River Regional Hospital in Toronto, Canada. He is now responsible for the clients openBIM requirements at the new Østfold Hospital (85.500 m<sup>2</sup>) in Sarpsborg, Norway. He is the chairman of ISO/TC 59/SC 13 Organization of information about construction works since 2006 and has a MSc of architecture from the Norwegian University of Science and Technology (NTNU).

# THE SPEAKERS

## **Tuomas Laine**

*Director, Innovation and Development, Granlund Oy*

Tuomas has +20 year expertise from energy analysis, both from challenging project and R&D perspective. Heavy involvement in the development of processes and tools benefiting BIMs and IFC data transfer since 1996. Author of Finnish BIM guidelines for energy analysis and MEP design: ProIT guidelines for the construction industry (2007), BIM guidelines for Senate Properties (2007) and COBIM common BIM requirements (2012).

His presentation discusses the new requirements for energy analysis through the Finnish new 7/2012 energy regulations and new 3/2012 national COBIM common BIM requirements. The new energy regulations not just establish challenging target to the primary energy efficiency, but also regulate the used tools. E.g. dynamic and validated energy simulation has to be used to show code compliance in all buildings with cooling.

## **Architect Marianne Thorbøll**

*Architects Danish Building Property Agency*

The Danish Building Property Agency has become very experienced in the use of openBIM in architectural competitions. openBIM is used for visualization of the building design and the relationship with the surroundings. Moreover, the digital models used for space analysis, cost estimation and energy analysis of the proposals. Mette Carstad / Marianne Thorbøll works as architects at The Danish Building Property Agency and will speak about their experiences in using openBIM in competitions.

## THE SPEAKERS

### **Jakob Strømmandersen**

*PhD MSc Sustainability Engineer, Henning Larsen Architects*

Jakob is MSc PhD in Architectural Engineering and specializes in integrated and energy-efficient building design. Jakob is a part of the Department of Sustainability, Henning Larsen Architects, which works on developing visions and solutions in the field of sustainable design. In addition, Jakob conducts research on the future design of cities and buildings, and continuously develops methods for predicting the consequences of different approaches - with a focus on how the interaction between engineering, architecture and modern technology will form the basis of successful sustainable future.

Henning Larsen Architects attaches great importance to developing environmentally friendly and integrated, energy-efficient solutions. The company's projects are characterised by a high degree of social responsibility. As an architecture company, Henning Larsen Architects engages in research and the dissemination of knowledge across professional fields. Energy efficiency should be implemented in the design from the first sketches of the creative process.

## THE SPEAKERS

### **Peter Hauch**

*CEO Arkidata*

Peter Hauch is an Architect MAA, Manager and Chief Consultant within Facilities Management and the use of ICT in Construction at Arkidata. Peter has been active in the development and the use of ICT in the Construction Industry for over 35 years.

He has been the manager of several development programmes and projects dealing with the use of ICT in specifying user requirements, initial and detailed design, tendering, production planning and material production as well as in Facilities Management.

His last position was as the Manager of "Gentofte Ejendomme", responsible of Real Estate and all construction projects within Gentofte local municipality.

Peter is the chairman of the ICT-Group within the Building Owners Association.

### **Marcus Bengtsson,**

*BIM-management team, White/Tengbom Architects*

Marcus has worked with CAD in Architectural firms and in IT- business for more than 20 years. He has focused to get teams aware of process and workflow issues beneficial for each project. Currently leading the BIM Group in White Tengbom Team in the NKS-project. Connecting Revit with databases, document portals and developing tools to leverage information and decisions to the right persons at the right time.

# ABOUT THE SEMINAR

The intention with the seminar is to form a shared understanding of the benefits of an openBIM strategi. and potentially intensify the cooperation of Nordic stakeholders.

buildingSMART is represented by all four Nordic chapters (Finland, Sweden, Denmark and Norway). We know the status of technology and processes internationally and in the Nordic region. The stakeholders are represented by selected public and private clients, who knows the potential and need for change. Together we can discuss and draft a prioritized roadmap for development of technology, processes and implementation.

Focused development of openBIM solutions can contribute to increased sustainability and more efficient environmental certification.

## buildingSMART

buildingSMART works internationally, Inter-nordic and locally for developing solutions for improved sustainability.

Our main focus is to develop and implement open International standards for BIM (Building Information Modelling).

Sustainability is a political loaded concept with many interpretations. buildingSMART has developed and continue to develop open format based framework for many concrete solutions to improve efficiency, quality of construction and operation of buildings. We see sustainability as the higher goal for implementing buildingSMART in the building industry.

# DACC

The Danish Association of Construction Clients (DACC) is an interest group representing professional construction clients in Denmark.

The association was established in 1999 by 28 leading (mostly public sector) clients with support from the Ministry of Housing with the goal to influence and improve the Danish construction sector. The historical background was a public wish for increased demand for productivity improvements and greater customer orientation in construction.

DACC has three strategic focus areas: influence, network and development.

It is the purpose of DACC to promote positive, socially responsible development in Danish construction including improvement of architecture, quality and productivity as an influential voice.

DACC wants furthermore:

- To be a forum for discussion, generation and communication of common beliefs of professional Danish construction clients with the purpose of promoting the construction clients' interests
- To influence the laws and regulations concerning construction through informed dialogue, active participation and co-operation
- To establish and promote systematic exchange of experience between the members
- To participate in developing new knowledge and tools to support the work of the members
- To organize professional development for the employees of the members



# PRACTICAL INFORMATION

## For who?

Clients and Facility Managers

## Date and time

31st January 2013

09:30 - 17:00 Workshop at DACC

## Location

The Danish Association of Construction Clients

Borgergade 111

DK-1300 København K

[Map](#)

## Sign up for the event [HERE](#)

<http://www.buildingsmart.no/events/nordic-openbim-client-workshop>

## Cost

*by invoice from buildingSMART Norway*

Members of buildingSMART, bips and DACC NOK 1.500

Non-members NOK 2.500

## Transport

By plane: Copenhagen Airport, Kastrup is closest to the event. Go by Metro (15 min.) from the Airport to Kongens Nytorv. Hotels are in walking distance from the Metro.

## Accommodation

We recommend

[Hotel Phoenix](#) Price DKK approx. 1.300/day

[First Hotel Esplanaden](#) Price DKK approx. 950/day

Both hotels are in walking distance to Nyhavn and Danish Association of Construction Clients

# HOSTED BY

**DANISH ASSOCIATION  
OF CONSTRUCTION CLIENTS**

## Arranged by



### CONTACT

Jan Karlshøj

Chairman buildingSMART Nordic

Mobile: +45 24 63 77 21

e-mail: [Jan.Karlshoej@gravicon.dk](mailto:Jan.Karlshoej@gravicon.dk)



### CONTACT

Steen Sunesen

Managing Director buildingSMART Norway

Mobile: +47 928 46 995

e-mail: [steen.sunesen@buildingsmart.no](mailto:steen.sunesen@buildingsmart.no)