THE ULTIMATE BIM SUMMIT

In partnership with bre
Tearing down walls

How to turn your projects into best in class
Who?

- Håvard Bell
- PhD in Structural Analysis from Tokyo
- CEO of Catenda
- Member of several committees in buildingSMART International
- 14 years open BIM experience

havard.bell@catenda.no
Mobile: +47 9888 2929
Catenda

- Founded in 2009
- Spun out of SINTEF
- 10 employees
- AECO skills
- ICT skills
- buildingSMART
- We make bimsync®
build better together
Walls?

- Culture
- Contracts
- Risk management
- Technology
- Habits
- Data lockdown
- Knowledge
Just deal with it

● Culture
● Contracts
● Risk management

...for now.
What you can fix

- Technology
- Habits
- Data lockdown
- Knowledge
1 dangers
errors
tasks
decisions
changes
clashes
RFIs
Where do issues come from?

- Construction site
- Office
- Meeting
- On the run
- Owner
- Ad hoc
- Etc

- Safety app
- Revit
- Tekla
- Solibri
- QA app
- Word
- Etc
Where do you keep issues today?

- Email
- Memory
- Post-it
- Written notes
- Excel
- Word
- ToDo lists
- All of the above?
when the walls are gone...
Track all issues

- Never miss a problem
- Know status of every challenge
- Track development real time
- Know every decision ever made
Exactly what needs to be done by noon next Monday, and by whom?

In order for this project to stay on track.
Establish the environmental requirements

We need to establish the environmental requirements for the whole project. The client needs to set their aim, and we need to supply with expertise and advice. Please deliver an initial draft of this.

Issue board: Avklares for Byggherre
Status: Open
Type: Error
Milestone: Not set
Requested by: Dag Fjeld Edvardsen
Assigned to: Jon Anders Sollien
Due date: 2016-05-10 12:00

Write a comment (optional) ...
Seamless issue management

DATA DESIGN SYSTEM
A NEMETSCHEK COMPANY

UNIZEIT

SOLIBRI

REVIT

TEKLA
A TRIMBLE COMPANY

GRAPHISOFT
ARCHICAD

APP 1
APP 2
APP 3
What is BCF?

- **BIM Collaboration Format**
  - From buildingSMART International
- An open standard to move issues between different software applications
- Well supported using BCF files (.bcfzip)
- Also an “API” between software applications
  - No more exporting and importing files
  - This is very, very powerful
Denne må byttes, ikke i tråd med krav
BCF File Exchange

Application A

BCF File

Application B

export

import
BCF API

Application A  <--  automatic synchronisation  -->  Application B
Seamless issue management
one master
Seamless issue management

DATA DESIGN SYSTEM
A NEMETSCHER COMPANY

GRAPHISOFT
ARCHICAD

UNIZITE

SOLIBRI

REVIT

Tekla
A Trimble Company

APP 1
APP 2
APP 3

In partnership with
Brought to you by
Seamless issue management
habits
Hard work

● Continuously follow up
  ○ Call them, remind them, keep reminding them, call them again, etc

● Needs a very diligent project lead

● Needs a deep understanding in leadership

● Needs a deep commitment throughout the project

● Needs hard work in the beginning
  ○ …to steer that big ship in a different direction
data lockdown
Avoid temptation!

- Always use open international standards
- buildingSMART
- open BIM
- Never, ever, use proprietary solutions
- The quick fix is a huge and risky bet in the long run
  - Do not do what Norway’s oil industry did…
  - ...you do not want to waste all that money!
- Request or demand from your vendors
  - They will drag their feet, but keep on demanding!
- GDPR!
knowledge
Exactly what needs to be done by noon next Monday, and by whom?

In order for this project to stay on track.
Summary

- Technology is here, use it! Demand it!
- Biggest challenge: Change habits!
  - Capture all issues! Capture all decisions!
- Do not put your data in lockdown
  - Own it! Use it!
- You now know there is a way to have complete control of your projects
  - I dare you to use that knowledge and become best in class
next step
bimsync.com

Twitter: @bimsync
Thanks!

Håvard Brekke Bell
havard.bell@catenda.no
+47 9888 2929