

# SPAN

SP Alliance & Network

## Wed-Binar

SPAN X ABE

International Series

@jvandezande

@HOKnetwork



BIMFORUM  
The US chapter of buildingSMART International



ARCHITECT/TECHNOLOGIST  
CHIEF TECHNOLOGY OFFICER

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2010-2015

2011-2012



2016 LEVEL OF DEVELOPMENT SPECIFICATION  
October 19, 2016  
BIMFORUM

The image shows a diagram of a building's Level of Development (LOD) progression from LOD 100 to LOD 400. LOD 100 is a simple rectangular block, LOD 200 is a block with a cutaway, LOD 300 is a block with a detailed cutaway, and LOD 400 is a fully detailed building model. A scale bar below the diagram shows the progression from 100 to 400.

Building Systems	Milestones/Deliverables						
	Model Elements	100	200	300	350	400	Fabrication
Structure							
Mechanical							
Electrical							
Plumbing							
HVAC							
Interior							
Exterior							

PARTICIPATING ORGANIZATIONS

- American Institute of Architects
- Associated General Contractors of America
- Building Information Systems Supporting for Masonry
- National Institute of Steel Detailing

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2012-2019



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AUTOCAD

REVIT

RHINO

3DS MAX

NAVISWORKS

ONE WORLD TRADE CENTER  
SOM



**2004**



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CONCEPTBOARD

DYNAMO

GRASSHOPPER

AUTOCAD

REVIT

RHINO

3DS MAX

NAVISWORKS

SOLIBRI

PROJECTSIGHT

DROFUS

BLUEBEAM

BIM 360

SKETCHUP

AFFINITY

MASSMOTION

IRISVR

NEWFORMA

ENSCAPE

TWINMOTION

INTERCONTINENTAL BEIJING  
SANLITUN AT TOPWIN CENTER  
HOK

2019

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## Current & Future Collaboration



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Game engine technology & web browsers...