

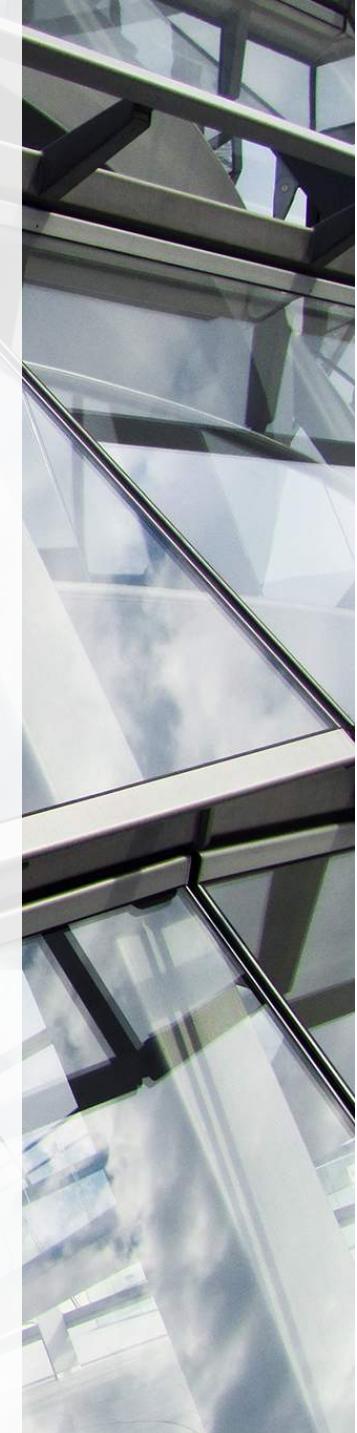
ACE SPECIAL SESSION BIM IN EUROPE

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Federal Chamber of German Architects
Bundesarchitektenkammer e.V.



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BIM – IN GERMANY

What do we think it is?

UNCERTAINTY



Definition:

Building Information Modeling (BIM) is a collaborative working method, that contains and organises consistently all relevant information regarding the life-cycle of a building based on digital modells, in order to be exchanged in a transparent communication between all participants for further elaboration.

BIM IN GERMANY

Strategic Plan of the Ministry for Traffic and Digitalisation



1. Step

- Pilotprojects
- Standardisation
- Information/ Guidelines

2015 - 2017
Preparation-
phase

2. Step

- Expansion of pilot projects
- Evaluation of experiences and lessons learned

2017 - 2020
Pilotphase
(Niveau I)

3. Step

- Vast implementation
- BIM as the standard planning method

ab 2020
BIM-Level I
for new projects

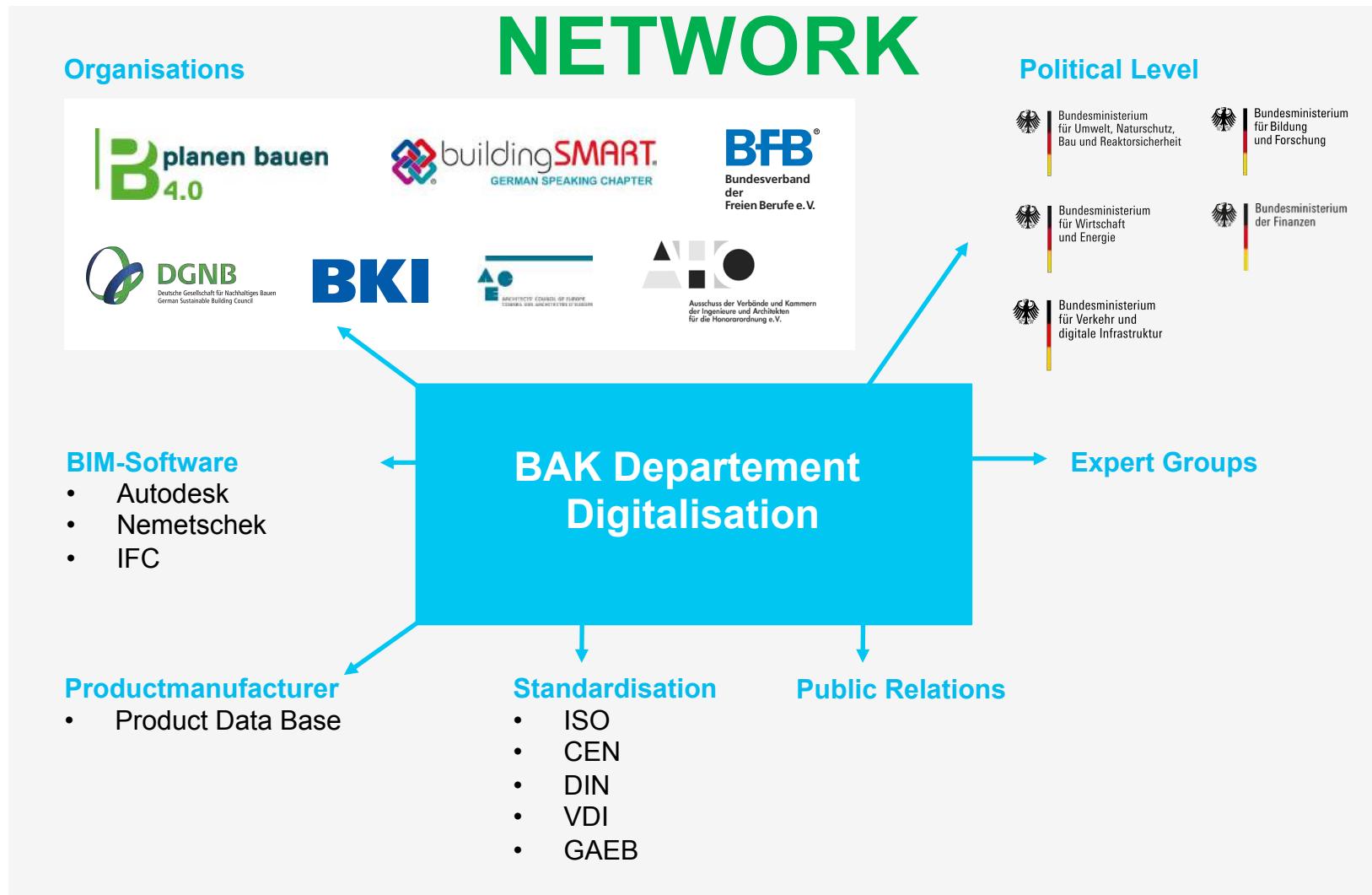
State of implementation ↑

DIGITALISATION AND THE ARCHITECTURAL PROFESSION

COMMITMENT



DIGITALISATION AND THE ARCHITECTURAL PROFESSION



DIGITALISATION AND THE ARCHITECTURAL PROFESSION

ORIENTATION



BIM for Architects:
100 Questions – 100 Answers

- The planning process
- Qualifications, costs, fees, contracts
- Collaboration in the values chain of planning and construction
- Standardisation
- Requirements for Software
- Liability and Insurance
- Intellectual Property Rightsd
- Public Procurement

DIGITALISATION AND THE ARCHITECTURAL PROFESSION

GUIDANCE



- BIM for Architects – Scope of Service, Contract, Remuneration
- Overview of additional services in BIM
- How to make a contract
- How to protect your intellectual property
- How to negotiate with the client

DIGITALISATION AND THE ARCHITECTURAL PROFESSION

STANDARDS



- Setting the standard in Continuous Professional Development
- Based on building smart international
- Demonstrating Architects as the leading profession

DIGITALISATION AND THE ARCHITECTURAL PROFESSION

PILOT PROJECTS



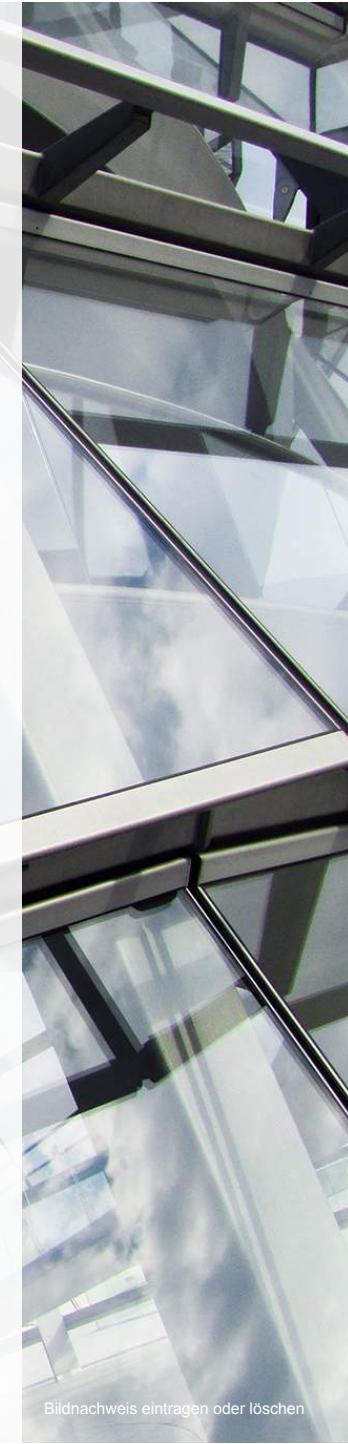
German Embassy Austria, Vienna / Schulz + Schulz Architekten, Leipzig, Germany



THANK YOU!



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Bildnachweis eintragen oder löschen



Reflections on BIM

Tillman Prinz

What do you consider the main challenge in order to implement BIM in your office?

Selon vous, quel est le principal défi pour mettre en place le BIM dans votre bureau ?

- | | |
|--|--|
| <ol style="list-style-type: none">1. Costs of the software2. Lack of IT skills3. Training costs4. Human resources5. Not useful for daily job6. Not required by Public Procurement authorities7. Others | <ol style="list-style-type: none">1. Coût du logiciel2. Manque de compétences informatiques3. Coûts de formation4. Ressources humaines5. Pas utile pour le travail quotidien6. Non requis par les autorités des Marchés publics7. Autres |
|--|--|



Reflections on BIM

Tillman Prinz

How would you like to see the ideal role of the architect in a digitalised planning and construction process?

Comment aimeriez-vous voir le rôle idéal de l'architecte dans un processus de planification et de construction numérisé ?

- | | |
|-------------------------------|------------------------------------|
| 1. BIM Manager (co-ordinator) | 1. Gestionnaire BIM (coordinateur) |
| 2. Project supervisor | 2. Chef de projet |
| 3. Traditional role | 3. Rôle traditionnel |
| 4. Other | 4. Autres |



Reflections on BIM

Tillman Prinz

Is there a governmental digitalisation strategy for the construction sector in your country

Existe-t-il une stratégie gouvernementale de numérisation pour le secteur de la construction dans votre pays ?

- 1. YES
- 2. NON
- 3. I don't know

- 1. Oui
- 2. Non
- 3. Je ne sais pas