BUILD UP Skills exchange meeting - Session 2
Supporting the digital transformation of the building sector

Why and How construction site workers should use BIM models?
BIMplement objective: Get site workers to use BIM models

- BIM process mainly used by the project managers’ team
  ...
  but

- Site managers and site workers never appear in the BIM process

- Why should they use BIM models? What for?
What tool for site workers to use BIM models

• Manipulate freeware BIM Viewers
  ➢ discover the project in 3D (instead of just 2D plans)
  ➢ Use basic tools that will be needed for the planned BIM process

• 2 days training
Why use BIM models on site (1)

- Understand the **project as a whole**
- Better answer to a call for bid
- **Check interfaces between batches**
Why use BIM models on site (2)

- Use the viewers communication tools
  - Improve cross-trade and cross level collaboration during execution phase
  - Exchange on a problem with a screen copy of the BIM model
Why use BIM models on site (3)

- Enrich the BIM models with updated data and technical documents
- Link installation guide of actual product
- Report on changes
- Participate in the digital as-built model
How to have site workers use BIM models

- Enlarge the BIM process to the execution phase
- Set the roles and responsibilities of each stakeholder
- Clients have the power to enforce the use of BIM during the execution phase
How to have site workers use BIM models

- Map of stakeholders’ role in a global BIM process
Conclusions

• Building companies’ site workers can and must be involved in the BIM process
  ➢ better implementation & nZEB quality

• Develop training for trainers
  ➢ Answer the site workers needs via the BIM model and enlarged BIM process
Thanks for your attention
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