OPENBIM
DATA METRICS
SUMMARY
IMPACT ON PROJECT LEVEL

Results

People

>120 PROJECT PARTICIPANTS

Document management

OPEN BIM™

BIM

6151 DOCUMENTS
7215 DOCUMENT REVISIONS
10X FASTER ACCESS TO DOCUMENTS

Issue management

Field

3 BUILDINGS
61 MODELS
35311 BIM OBJECTS

1250 BCFs

H&S OBSERVATIONS 340 DEFECTS MANAGED 2927 INCREASE IN DEFECT RESOLVING BY 75%
IMPACT ON COMPANY LEVEL
Scaling project achievements in the Company

HIGHLIGHTS
• >20 construction sites based on openBIM framework developed during Primary School of Wilanów.
• All new construction sites starts with IFC models (eliminating native approach)
• Company-wide agreement with Dalux – providing CDE solution
• >1000 users on Dalux platform (CDE) including Clients, Mostostal workers, Designers, Subcontractors

LINKS
Dalux global agreement
**Training paths based on project**

**HIGHLIGHTS**

- Standardized trainings in the company based on trainings on Primary School of Wilanów project
- 20 trainings on the project
- >100 trainings overall and increasing
- 56 persons trained on the project
- >500 persons trained overall and increasing
- On average participants assessed the trainings
  >9/10 points

**Training paths & methods**

**On site trainings**

**Evidences**

**Groups trained:**
- Blue collar workers
- Site crews
- Clients
- Designers
- Office workers
- Management
Digitalising internal trainings and manuals

LMS platform
(Learning Management System)

HIGHLIGHTS

Training materials, instructions and manuals used on the Primary School of Wilanów project were standardised and are used on every new project.

Additionally all the standard openBIM trainings are uploaded to the internal Learning Management System platform (LMS).
IMPACT ON INDUSTRY LEVEL
Project Awards

HIGHLIGHTS

3 prizes awarded by President of Warsaw for:

• Exceptional execution of project delivery
• Grand Prix
• Chosen pro-ecological solutions

LINKS

Awards
https://nowawarszawa.pl/w-7-edycji-nagrody-architektonicznej-prezydenta-m-st-warszawy-najlepsza-szkola/
Reported problems and wishes

HIGHLIGHTS

Constantly reporting software bugs and wishes to software vendors to improve the solution.

Software vendors contacted:
- Dalux
- BIMVision
- BIMcollab
- BIMTrack
- Synchro

Number of problems and wishes reported:
149

Many of the problems and wishes were already addressed.
buildingSMART Poland – technical projects based on Primary School Wilanów

Assigning typical elements to IFC classes

Technical rooms
- ProductROOM
- ConstructionROOM

Projects
- General contractors’ pilot project (use of classifications Uniclass, CCS)
- Assigning typical elements to IFC classes
- Models for quantity take-off

Results
- Promoting using openBIM standards for the industry.
- Starting the public discussion regarding BIM and need of standards.

LINKS
- Technical rooms description https://buildingsmart.org.pl/pokoje-techniczne/
- WIP project materials https://www.notion.so/Konstrukcja-0ee1b82c38214c579ed4293ce2a12b56
Collaboration with Universities

HIGHLIGHTS
Universities:
• Politechnika Warszawska: BIMgo
• Politechnika Warszawska: Multidyscyplinarny BIM
• Politechnika Wrocławska: Młodzi managerowie budownictwa

About:
• Practical use of free viewers
• Practical use of coordination software
• Team building practices

LINKS
Collaboration with society BIMgo:
https://bitibimgo.it.pw.edu.pl/projects/szkolenie_wspolpraca_mostostal.html
**European Union Project**

**HIGHLIGHTS**

Mostostal, as part of the European BIMplement project, has developed a training methodology, which was implemented at the construction site. Blue-collar workers have been trained on how to use openBIM tools. Information on how to get the interest of construction workers and what language should be used, can be found in the link below.

**LINKS**

BIMplement
https://www.bimplement-project.eu/project/primary-school-in-warsaw/

Video:
https://www.youtube.com/watch?v=9pmOG7z1K-E

Twitter:
https://twitter.com/H2020BIMplement/status/1148491495311327232?s=20
Polish conferences

**HIGHLIGHTS**

Conferences:
- BIM Talks
- Build with BIM
- BIM on construction site

About:
- Promoting OpenBIM
- Promoting buildingSMART Polska
- Sharing practical experience about using openBIM standard from General Contractor perspective

Impact:
- Reaching approx. 1,000 viewers from the industry

**LINKS**

BIM Talks: [https://builderpolska.pl/2020/06/05/konferencja-online-bim-talks-o-praktycznym-wykorzystaniu-bim/](https://builderpolska.pl/2020/06/05/konferencja-online-bim-talks-o-praktycznym-wykorzystaniu-bim/)

Build with BIM: [https://www.youtube.com/watch?v=wJjLy6NsGog&t=3099s&ab_channel=Multibim](https://www.youtube.com/watch?v=wJjLy6NsGog&t=3099s&ab_channel=Multibim)

BIM on construction site: [https://bimnabudowie.com/](https://bimnabudowie.com/)
International conferences

**WDBE**

Conferences:
- WDBE: “Do we really need a common language in construction?”
- BIM Foro 2019 "OpenBIM workshops based on Primary School Wilanów"
- BIM Foro 2020 "Primary School Wilanów – implementation summary"

**About**:
- Promoting OpenBIM
- Practical workshop using openBIM tools and formats

**Results**:
- Reaching BIM specialists from multiple countries

**LINKS**

WDBE
Publications

HIGHLIGHTS

Publications:
- BIM on construction site
- BuildIndSMART Poland – ProductROOM activities summary (not published yet)

About:
- Promoting OpenBIM
- Proper process of implementation
- Engaging project participants
- CCS classification analysis
- How to properly make use of classification

LINKS

BIM on construction site