BIM implementation in the Czech Republic

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BIM implementation in CZ (2013 ICIS DA Hiroshima)

• problems
  – contractual relationship and **authorship**
  – lack of BIM definition in legislation and standards
  – **low interest** of government and investors
  – small number of experienced experts
  – **motivation** is missing

• solutions
  – impulse from private sector
  – get BIM into **legislation and standards** (cooperation with CZ BIM)
  – creation of **Czech BIM Guide**
  – **BIM object library**
• **current status**
  - contractual relationship and **authorship**
    - Now in process
  - lack of BIM definition in legislation and standards
    - BIM guide, BIM guide for investors, creation of standards etc.
  - **low interest** of government and investors
    - Government strategy to implement BIM for big projects since 2022
    - Initiative called Construction 4.0
  - small number of experienced experts
    - Several pilot projects, big contractors and investors are working with BIM
    - Positive development also in area of education at both universities and high schools
  - **motivation** is missing
    - Construction market now provides motivation itself as well as prepared governmental strategy
Czech Agency for Standardisation (ČAS)

- established in October 2017
- part of Czech Office for Standards, Metrology and Testing (ÚNMZ)
  - national standardisation body
  - Cooperation with CEN and ISO
  - Technical Standardisation Committee 152 for BIM (TNK 152)
- main task
  - creating, publishing, issuing and distribution of standards
- new system of financing
  - Enables to allocate more financial resources to the system of creation of technical standards – strengthen of quality and range of both national and international documents
Concept of BIM implementation

- after several years of negotiations with government where the importance of BIM was emphasised

- **Concept of BIM implementation** in the Czech Republic was approved by government (25th September 2017)

- Ministry of Industry and Trade is responsible for application of this concept by innovation of current processes by using advantage of Information technologies

- Execution by **BIM concept department** of ČAS

- goal – using BIM for large projects since 2022
• preparation of standards, methodologies and other related documents for BIM implementation

• so far 6 working groups were established
  – WG 1 – pilot projects
  – WG2 – Public procurement, project management and contracts
  – WG3 – Standards of Data and Information requirements
  – WG4 – Data and Information for cost management
  – WG5 – Education, marketing
  – WG6 – Terminology and standards
ÚRS in Working Groups for BIM

• **WG4 – Data and Information for Cost Management**
  - Group of cost experts
  - Common goals were set (new terminology and methodology)
  - Currently there is classification research ongoing – help from ICIS welcome

• **WG6 – Terminology and Standards**
  - Barbora Pospisilova as an official member of a team
  - BP also nominated as an expert for ISO TC59 SC13 WG6
  - Other experts actively involved in CEN TC 442
  - Dictionary of Terminology – all terms occurring in legislation and standardisation
    - BIM filter active
BIM Guide for Investors

- **WG1 of CzBIM** (Czech BIM Council) - BIM Standards and Legislation published BIM Guide for Investors (May 2018)
- Barbora Pospisilova as a leader of the team for this project

**chapters:**
- Why is should require BIM?
- Cooperation with BIM
- BIM myths
- Decision making process and BIM
- Possible scenarios of BIM implementation
- Examples of BIM implementation within different phases of project lifecycle
- Software
- Answers to the most common question which can arise in investors’ mind
Useful links and contacts

www.urspraha.cz
www.pro-rozpocty.cz
www.cs-urs.cz
www.czbim.org

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