

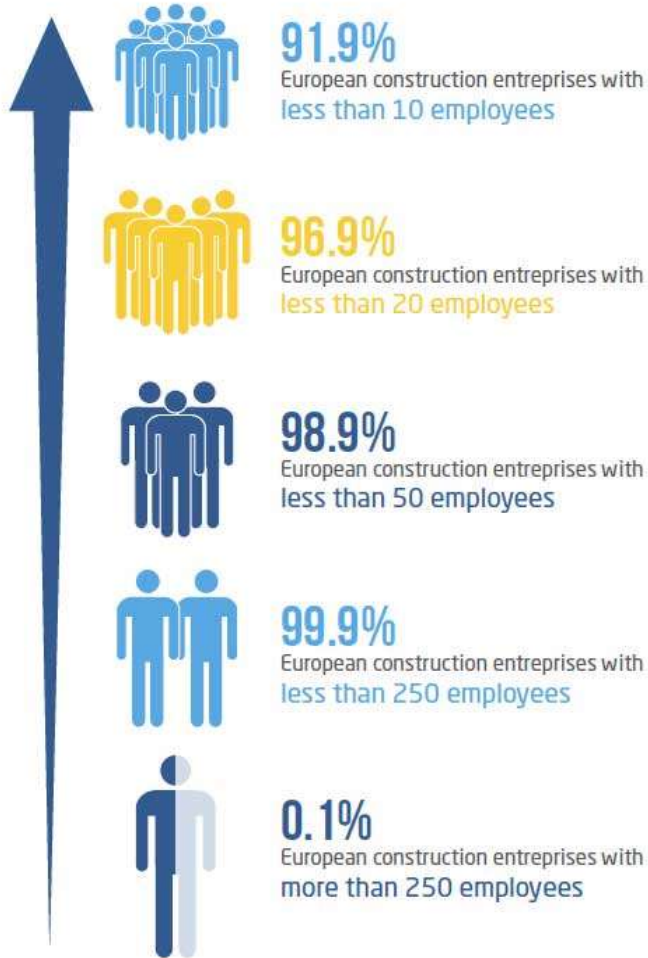
BIM for SMEs: challenges & opportunities

BIM Implementation Across Europe

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THE CONSTRUCTION SECTOR



9%
of the GDP of the
European Union



3 MILLION
enterprises in the
sector



18 MILLION
workers in the
sector

SMALL & MEDIUM CONSTRUCTION ENTREPRISES



80%
Produce 80% of the
construction
industry's OUTPUT



83%
Employ 83% of the
total WORKFORCE of
the sector



Create
LOCAL JOBS



Have a huge
potential to increase
YOUTH EMPLOYMENT

YOUNG PEOPLE & WOMEN IN CONSTRUCTION

90% MALE

10% FEMALE

**8% YOUNGER
THAN 25**

EBC was established in 1990:

- 2015: 16 members in 14 countries
- 2016: 3 new members from 2 new EU countries

EBC's network:

- 2 million construction SMEs represented
- All the different trades of construction
- 5 foreign languages
- Financed by membership fees
- Integrated by EU-financed projects

Founding member of **SBS – Small Business Standards**



- SBS represents and defends SME interests in the standardisation process at EU and international level
- Established in December 2013
- 22 members in 32 countries
- 14 million SMEs
- Partner of CEN, CENELEC, ETSI and ISO
- Experts in 46 TCs in 19 sectors



Involvement on BIM:

- Through SBS, EBC participates to CEN TC 442 on BIM
 - → *TC scope: develop a structured set of BIM standards, specifications & reports*
- EBC 2016 Annual Conference on “Innovation in construction”
- BIM Events (BIM EU SUMMIT, BIMEXPO) & Partnerships

Why?

- Anticipate & prepare for the BIM challenges/opportunities for SMEs
- Achieve BIM-related objectives not possible without involving SMEs
- Great added-value of BIM for renovation projects
- Raise SME positions on BIM standardisation

BIM-related SME needs:



Renovation market and Energy efficiency

- Provide a different picture with regard to the use of BIM tools
- **→ Stress on the use for “traditional” buildings and renovation works**
- Develop BIM tools that can be adapted to the building renovation market
- **→ Existing buildings constitute the main business segment of micro and small enterprises in construction**
- Promote the adoption of BIM to facilitate higher energy efficiency and lower life-cycle costs of buildings
- **→ Reduce the energy consumption and environmental impact of construction sector**

BIM-related SME needs:



BIM Tools & Training

- Develop well-designed and economically accessible digital model tools for construction SMEs
- → *Simplification of existing tools and bearable costs for training of final users.*
- Provide BIM trainings to construction workers and entrepreneurs in response to industry needs
- → *BIM training programmes not limited to the use of software, but rather targeted to guide the relevant players towards the digital transition of the construction sector.*

BIM-related SME needs:



Construction-related policies & standardisation

- Ensure a soft transition from traditional public procurement methods to BIM-based ones
- → *EU BIM Task Group plays a fundamental role in bringing together national efforts*
- Digital model tools can not constitute ground for exclusion of SMEs and be prescriptive for particular products
- → *Users free to select/offer different products depending on market needs*
- Ensure SME representation in the standardisation process of BIM
- → *Needs and expectations of micro, small and medium-sized enterprises in how to design a European standardised approach to BIM*

SMEs are the key for BIM success in Europe

Standardisation

Energy efficiency

Thank you for your attention

SMEs

EU public procurement

Renovation market

BIM tools

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