

“Digital Construction and BIM in Greece”

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Auditorium TEE

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BIM / e-CONSTRUCTION

- ❖ BIM is, in fact, the only digitalisation technology mentioned in the EU procurement directive. From a policy perspective, the EU Directive (2014/24/EU) on public procurement is the only policy instrument which refers to the use of digitalisation technologies in the construction sector
- ❖ Public authorities play a major role to foster the use of BIM, giving political orientations and through regulations or incentives. Public procurers take a huge responsibility when commissioning and executing public construction projects. BIM is the key to meet the above mentioned objectives and to lead by example for the whole construction market.

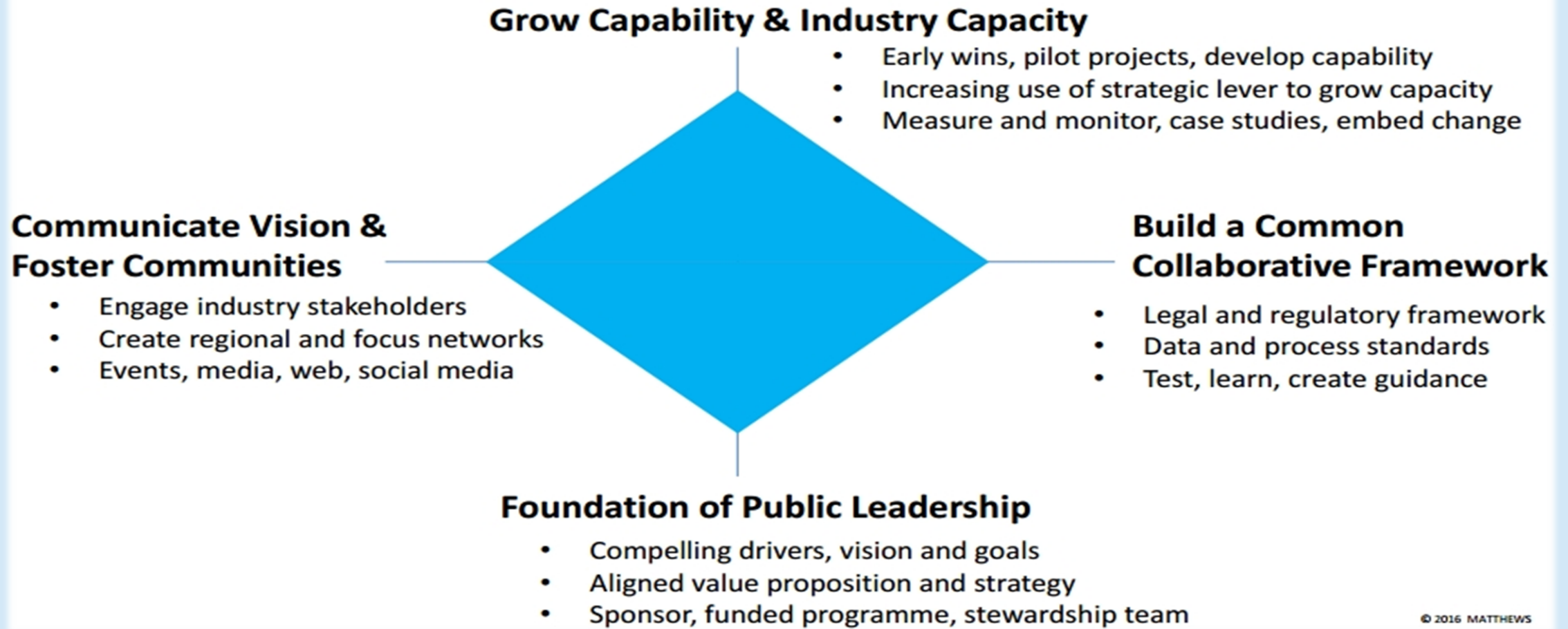
What is the **EU BIM TASK GROUP**

- ❖ The EU BIM Task Group, is the leading European group of public stakeholders, aiming at the digitalisation of the EU construction sector.

❖ to encourage the common use of BIM, as ‘digital construction’, in public works with the common aim of improving value for public money, quality of the public estate and for the sustainable competitiveness of industry.



Strategic Framework for Public Sector BIM Programs



MEMBERS

EU BIM Task Group represents the public stakeholder interests relating to BIM and public estate to national and international standards bodies

Greece
member of EU BIM Task
Group since 2018



Dr. Souheil Soubra (France) is leading the EU BIM Task Group
Milena Feustel (Germany), Deputy Chair

Representing **Public Bodies** from
27 European Countries



Create a **Common framework** for
BIM in public works

Procurement



Technical

Skills

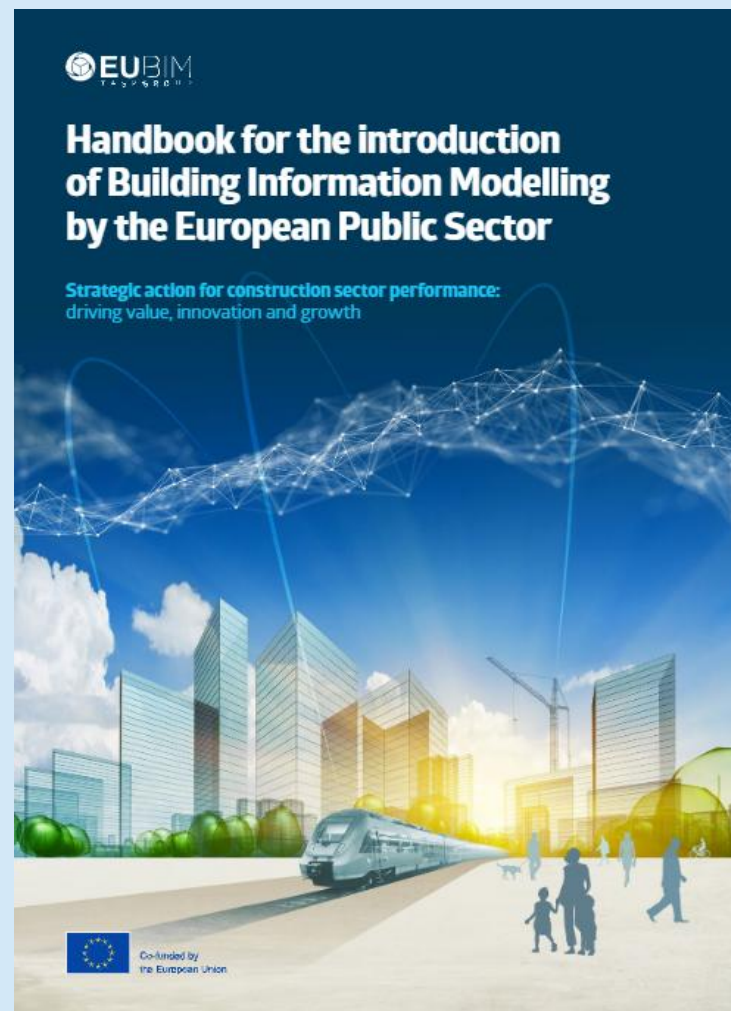


The production of the handbook has been a pan-European collaboration of public sector organisations across 21 countries, co-funded by the European Commission.

❖ collective experience of public policy makers, public estate owners and infrastructure operators from over twenty European countries to make recommendations to questions such as:

- ✓ *What is BIM? And what is the common European definition?*
- ✓ *Why is public leadership and European alignment critical?*
- ✓ *Which countries have taken action to support and encourage BIM?*

HANDBOOK



- ✓ 2019 the EU BIM Task Group held its annual General Assembly in Brussels to set its roadmap for the coming years
- ✓ aims at delivering greater value for public money while stimulating innovation and growth in both the construction and digital sectors in Europe.





STRATEGIC AND OPERATIONAL ROADMAP

A

BENEFITS OF BIM

- A1.** Cost benefits analysis
- A2.** Pilot project results
- A3.** Measurement

B

RELIABLE INFORMATION AND GUIDELINES

- B1.** Guidelines for public procurement
- B2.** Advise EC on PPD
- B3.** EU BIM website development
- B4.** BIM innovation reward

C

STANDARDISATION

- C1.** Liaison communication plan
- C2.** Open BIM
- C3.** Common classification system

D

KNOWLEDGE TRANSFER

- D1.** Regular meetings between members
- D2.** BIM conference for public procurers
- D3.** Legal entity
- D4.** Network of who is who with expert pool

E

SUPPORT MEMBER STATES INITIATIVES

- E1.** Unified Digital Platform
- E2.** Better Funding
- E3.** Data Security
- E4.** Built environment Data privacy
- E5.** Knowledge transfer – workshops

Key objective A

BENEFITS OF BIM

A1

Cost benefits analysis

Commission and evaluate a cost-benefit-analysis for the use of BIM.

Make a differentiated study for small and bigger projects and for each phase, in order to specify the corresponding benefits of BIM.

A2

Pilot project results

Collect the results of individual case studies and pilot projects from around Europe that demonstrate the benefits of BIM for procurers.

A3

Measurement

Find a viable methodology for periodically measuring the use of BIM in all European countries.

Publishing the results openly will create pressure for change and help to track improvement over time.

Key objective B

RELIABLE INFORMATION AND GUIDELINES

B1

Guidelines for public procurement

Develop unified guidelines and support tools for public procurers regarding BIM requirements and how to manage BIM processes during project execution.

B2

Advise EC on PPD

Setup communication channels for advising the European Commission regarding how to implement open-BIM requirements in the next revision of the Public Procurement Directive.

B3

EU BIM website development

Publish and maintain a website providing an overview of European Union - legislation, standards and guidelines related to procurement using BIM.

B4

BIM innovation reward

Creating an annual “public client BIM reward” for the best innovative use of BIM.

Key objective C

STANDARD- ISATION

C1

Liaison communication plan

C2

Open-BIM

Analyse the current situation and propose activities to ensure an open BIM market. Develop guidelines for the correct use of open standard.

C3

Common classification system

Develop a Common Classification system.

Key objective D

KNOWLEDGE TRANSFER



Regular meetings between members



BIM conference for public procurers

Organize a BIM conference dedicated to public procurement in EU.



Network of who is who with expert pool

Create a network of who is who along with an expert pool.

Key objective E

SUPPORT MEMBER STATES INITIATIVES

E1

Unified Digital Platform

Support the creation of a common digital platform for the built environment that would enable the automation of building lifecycle processes in the public and private sector.

E2

Better Funding

The EU BIM TG can help accelerate the development and implementation of BIM technologies.

E3

Data Security

Analyse and propose a framework for Data Security as a general guideline that can be adopted to each open platform or collaborative working environment for BIM users.

E4

Built environment Data privacy

Define built environment data privacy levels. What should be public across Europe and what is private?

E5

Knowledge transfer – workshops

Digital Twins / IoT / Smart Cities knowledge transfer in the form of workshops for EUBTG members.



INSTITUTIONAL FRAMEWORK

INFORMATION ACTIONS

TEE – TCG subsite: <https://web.tee.gr/int-news/>

- READERS – VIEWS
- “educate” on all BIM matters
- inform the on all latest developments
- News from the EU BIM Task Group



2018

**DIGITAL TRANSFORMATION OF THE
CONSTRUCTION SECTOR IN GREECE**

WHITE PAPER

LIANA ANAGNOSTAKI

MEMBER OF THE EU BIM TASK GROUP

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Thank you for your attention!

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