

## Construction 4.0 Working Group

### Brief description and main aims:

In 2016, FIEC launched a BIM Working Group to tackle the subject of *Building Information Modelling* (BIM) and its impact on contractors in the EU. This group quickly became a working group focused on the wider aspects of digitalisation, under a new name, the “*Construction 4.0 Working Group*”. The main aim of this group is to follow relevant policy developments, inform member federations and select priority issues for more in depth research and discussion, in order to foster the implementation of digitalisation within construction companies and in particular among SMEs. The group also aims to encourage members to network, identify initiatives of common interest and present their findings to the rest of the group. It also facilitates sharing best practices in implementing digital technologies in construction.

In 2025, the Construction 4.0 Working Group refocused its strategy around three main thematic priorities, with the objective of delivering concrete outputs. These are: **Housing and productivity**, **Artificial Intelligence (AI)** and **Key Performance Indicators (KPIs)**.

### Why FIEC is dealing with this topic:

The construction industry is undergoing significant change, including revolutionary new approaches such as digitalisation and automation. But while other industries are quite advanced in embracing digital processes, for the construction industry there is a need to speed up this process, and there is a business case for doing so, as digitalisation can improve productivity and coordination on construction sites.

However, the adoption of digitisation poses several challenges for construction companies, such as unfavourable conditions related to software suppliers, which need to be addressed. In particular, we need an appropriate regulatory framework that would allow our companies to reap the benefits of digitalisation.

Lastly, we must stress that digitisation is not an end in itself, but rather a means to accelerate the path to other goals (e.g. better energy efficiency of buildings, predictive maintenance of infrastructure, improving safety on worksites, facilitating training, etc.).

### Actions and key dates:

**19/02/2020** – A *European Strategy for Data* COM(2020)66/final is published.

**24/02/2020** – FIEC [Position Paper](#) on the relationship between users and software companies/editors/service providers.

**09/06/2021** – Follow-up webinar with software companies.

**09-10/11/2022** → Former FIEC Vice-President, Joël Schöns, and FIEC President, Philip Crampton, participate in the *Conference on Digital Construction* in Prague.

**12/10/2023** – Former FIEC Vice-President, Michail Daktylidis, participates in the 4<sup>th</sup> BIM Conference in Athens.

**24/10/2023** – 1<sup>st</sup> FIEC thematic Workshop on Cybersecurity.

**10/12/2024** – FIEC, CICA and FIIC co-organise a webinar on “[AI and Satellites for Infrastructure Maintenance](#)”, focusing on digital tools and innovation in predictive infrastructure management.

**11/09/2025** – FIEC relaunched its *Construction 4.0 Working Group* under a new, more structured format. The initiative is now organised around three thematic pillars – Artificial Intelligence, Key Performance Indicators, and Productivity & Housing – with the goal of producing concrete deliverables.