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InfraBIM methods and tools applied to companies' implementation processes

Arianna Fonsati

The impact of digital innovation on markets is increasing over the years, thanks to the fast development of new technologies and tools. The effective use of advanced digital methods and tools within the AECO sector, and specifically the InfraBIM methodology, still faces major challenges in different situations, where the lack of resources in terms of cost and people does not allow to properly approach the implementation of such processes. For this reason, on the one hand the research analysed how to renovate existing processes and workflows towards the implementation of InfraBIM methodology working on standardization, collaboration, and production processes at company level. On the other hand, the research focused on the development and assessment of workflows to identify the most efficient approaches for several InfraBIM uses. Such a framework was built considering specific parameters useful for defining companies' priorities, working on daily procedures for the production of digital information models and related data and documents. According to this approach, the general bias related to the use of new methods and tools are overcome by defining a best practice that could be applied for future implementation processes too.

