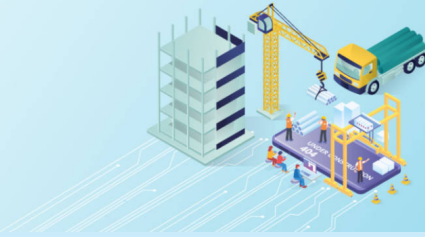
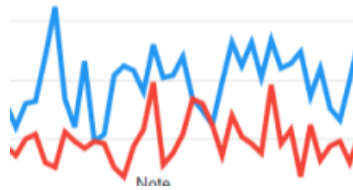


**BUILD
SMARTER.
CLEANER.
CHEAPER.**



Our News: What we have been doing



Trends in technologies related to BIMprove

BIMprove utilizes many technologies that are relatively new when it comes to use in the construction industry. Technologies and terms such as **“Building Information Modelling”**, **“Digital Twin”**, **“Autonomous Drone/Robot”**, **“Point Cloud”** and **“Machine learning”**, are only some of the them.

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BIMprove Risk Object Visual Analysis System

Risk Object Visual Analysis System, **ROVAS**, bases on the convolutional neural networks, **CNN**, for its visual object detection task. CNN based AI/ML models are commonly used in modern computer vision systems and object detection.

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The first UI concept of BIM@Vehicle

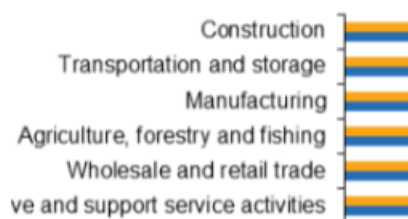
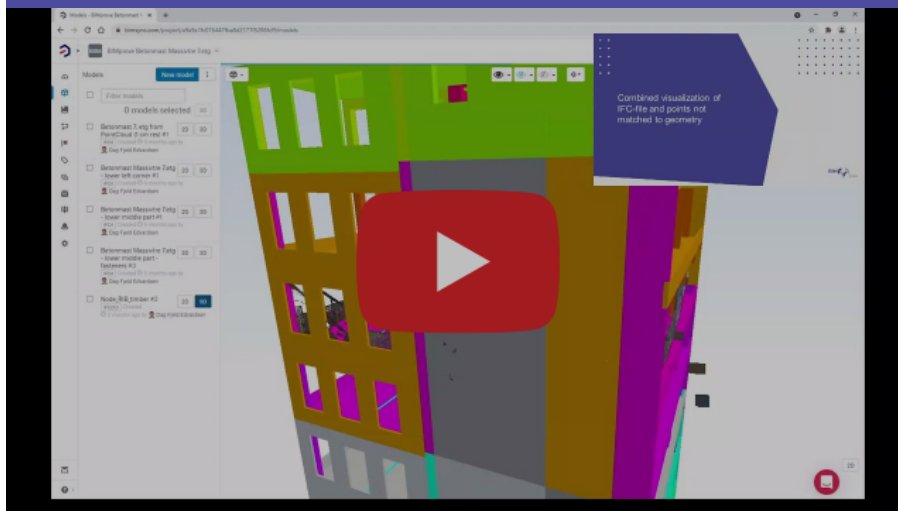


BIMprove Public Deliverables!

Over the last **six months** of our exciting project, **BIMprove** consortium has **released a number of public deliverables** highlighting all **major outcomes**

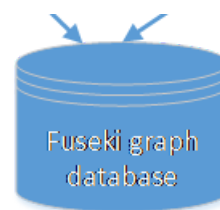
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Mapping point clouds to IFC elements



Accidents in the Construction Industry

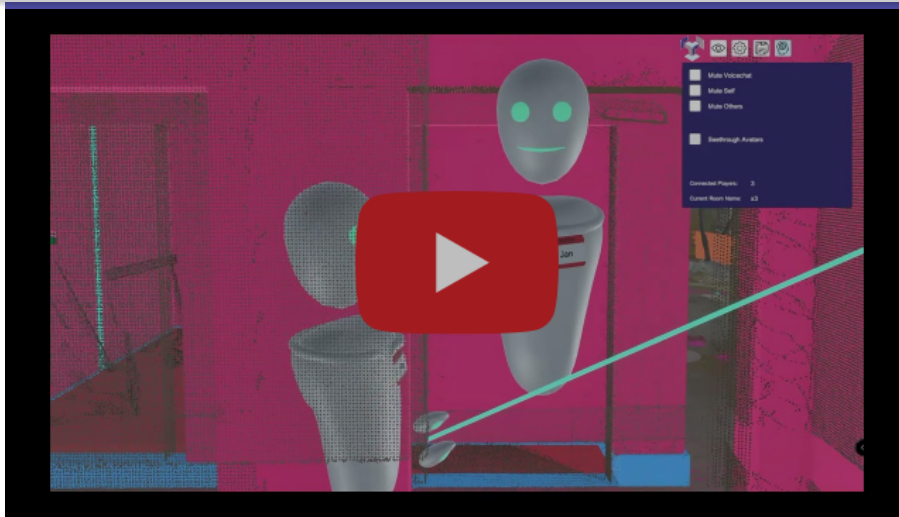
One of the goals of the **BIMprove project** is to use emerging technologies to improve safety on construction sites. Construction is unfortunately one of the industries with the highest number of serious accidents. More than 20% of the fatal worker accidents in 2018 were in Construction. In a sense, that is not surprising because the industry handles a lot of physical work in a quickly changing environment.

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BIMprove's Risk Database

BIMprove's data model defined for describing safety risks is highly connected. In other words, there exists multiple relationships between identified concepts, which sets specific requirements for a selected database technology to store this kind of data. During the recent years, the limitations of traditional databases, in particular the relational model, to cover the requirements of current application domains, has led the development of new technologies.

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BIMprove in Public Events



BIMprove at Big Data Value Forum!

BIMprove project participated in the **European Big Data Value Forum 2021** that took place during November 29 – December 3, 2021 | Ljubljana + Online, Slovenia. The **European Big Data Value Forum (EBDVF)** is the flagship event of the European Big Data and Data-Driven AI Research and Innovation community organised by the **BDVA** and the **European Commission (DG CNECT)**.

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BIMprove at EUROXR 2021 International Conference!

BIMprove project has participated in the **18th EuroXR** conference that took place in Milan (virtually), from the 24th to the 26th of November 2021, and was organized by **CNR-STIIMA**, to support the competitiveness of the manufacturing sector through the innovation of factories and their production, enhancing human knowledge and innovation capacity.

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