#	**Spyridon Kousouris** MEng in Civil Engineering	
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Presentation title:	**Towards the Definition of a BIM based Framework for Efficient Renovation in Buildings**	

Renovation of the existing building stock (where a significant fraction in EU is over 50 years old) offers a huge potential towards successfully meeting EU's energy savings and emissions reduction targets set with view to 2050, being also the only truly sustainable solution (with regards to the building sector) for the realization of EU's policy objectives.

The realization of such ambitious targets requires a significant acceleration and growth of the EU renovation market, at higher rates; through a radical shift of the Architecture, Engineering and Construction (AEC) industry away from traditional practices and through its digital transformation by adaptation of Information Technology solutions and implementation of Building Information Modelling (BIM). Although BIM is presently used by the AEC industry, mainly for new buildings, several barriers need still to be overcome. Utilising BIM (properly extended and enriched) can offer large benefits to the AEC renovation sector mainly by reducing critical mistakes and improving collaboration between stakeholders resulting in higher quality outcomes with less costs and greater speed. Within this context, we introduce an innovative BIM-based framework for efficient renovation in buildings comprising of a set of tools supporting the AEC actors and building's stakeholders. The developed platform will empower semantic interoperability among its own tools, as well as with third-party Information and Communication Technology tools; enabling seamless BIM creation and information exchange among the AEC community in an effort to boost the rapid adoption of BIM in renovating of the existing EU building stock, resulting in economical and quicker refurbishments achieved through efficient flow of information, decreased intervention working time, while improving building performances, quality and comfort conditions for occupants. The overall framework is to be validates in three pilot sites of different geographic and climatic conditions.

CV:	

Mr. Spyridon Kousouris (male) holds a MEng in Civil Engineering from Heriot Watt University and a BSc in Geology and Geoenvironmental sciences from the National and Kapodistrian University of Athens For more than 6 years, he worked in the UK's construction industry, where he gained an extensive experience in the field of construction management and project management of numerous infrastructure works. Currently, he is working as a Project Manager at Suite5 Data Intelligence Solutions, involved in various energy related projects such as H2020-BIM4EEB, H2020-BIMERR, PERSEPHONE.

EDUCATION AND TRAINING

2000-2006 National and Kapodistrian University of Athens, Athens, Greece

BSc in Geology and Geoenvironmental sciences

2008-2013 Heriot Watt University, Edinburgh, UK

MEng in Civil Engineering

WORK EXPERIENCE

- 2018 – Today
Suite5 Data Intelligence Solutions Ltd
Project Manager

- 2015 – 2018
Carey Group Plc
Project Engineer

- 2014 – 2015
Concept Engineering Consultants Ltd
Project Manager/Geotechnical Engineer

- 2013 – 2014
SAIPEM Ltd.
Offshore Structural Engineer