

ZBYNEK SKODA

1Czech Technical University in Prague, Faculty of Civil Engineering, Czech Republic

POSSIBILITIES OF DIGITIZATION IN CONSTRUCTION DURING THE BUILDING LIFE CYCLE

Abstract:

The object of this paper is to figure out the possibilities of digitization in the construction industry and whether the digitization is beneficial. Construction industry has a share 6% of world GDP and is therefore the cornerstone of the world economy. However, compared with other industries, almost all of them are investing more into digitization than the construction sector. Fewer investments in digitization are just in the agriculture and hunting sectors. The author of this paper would like to point out what digitization possibilities can be used in construction industry to reduce construction costs, more accurately control construction and reduce operate costs.

Keywords:

BIM (Building Information Modeling), innovation, life cycle cost

JEL Classification: O32