

Download Digital Fabrication In Architecture Engineering And Construction

1. In situ fabrication. Considering which industries have profited greatly from automation and more recent advances in production technology, such as Additive Manufacturing technologies (AM), a clear pattern emerges: industries that can rely on manufacturing processes in which the workpieces can be moved around a manufacturing plant have benefited most from automation technology []. Society faces enormous challenges in constructing high-quality, future-oriented built environments. Construction sites today look much like the building sites did at the beginning of the 20th century. The Boston Consulting Group 3 Other industries are well into their digital transformation. In E&C, digitalization is just beginning. With annual revenues of nearly \$10 trillion, or about 6% of global GDP, the engineering and construction (E&C) industry is a cornerstone of the world's Virtual learning Details Category: Technology Published: 16 May 2019 Paul Tallon, design and visualisation Manager at the 3M Buckley Innovation Centre (3M BIC) in Huddersfield, talks us through the process of building a virtual, to-scale version of the University of Huddersfield's campus using ever-evolving 3D technology and drone data