

# Special Issue

## Smart Construction in Infrastructure Project Development

### Message from the Guest Editors

Smart construction has been touted as an innovative approach towards the attainment of a sustainable development agenda of every country in building and operating public infrastructure projects such as light rails, hospitals, schools, airports, and recreational centres, among others. Smart construction uses innovative and data-driven technologies in this era of the fourth Industrial Revolution to improve operational efficiency, reduce delays and costs, and ensure timely completion of these infrastructure projects. Smart construction also helps to modernize existing infrastructures and make them more resilient to different environmental conditions. In this Special Issue, we ask for the submission of high-quality and original research manuscripts, which are focused on the application of smart construction technologies such as Artificial Intelligence, Building Information Modeling (BIM), Internet of Things (IoT), Robotics, Digital twins, Drones and Advanced Imaging, Cloud-Based Collaboration, Augmented Reality (AR) and Virtual Reality (VR), and 5G Technology in the understanding, modelling, and implementation of infrastructure project development.

### Guest Editors

Dr. Robert Osei-Kyei

Dr. Xiaohua Jin

Dr. Isaac Akomea-Frimpong

### Deadline for manuscript submissions

30 September 2025



## Infrastructures

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