



# Modern approaches to design, construction and maintenance of infrastructure in smart cities

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# About BIM

B

Building

I

Information

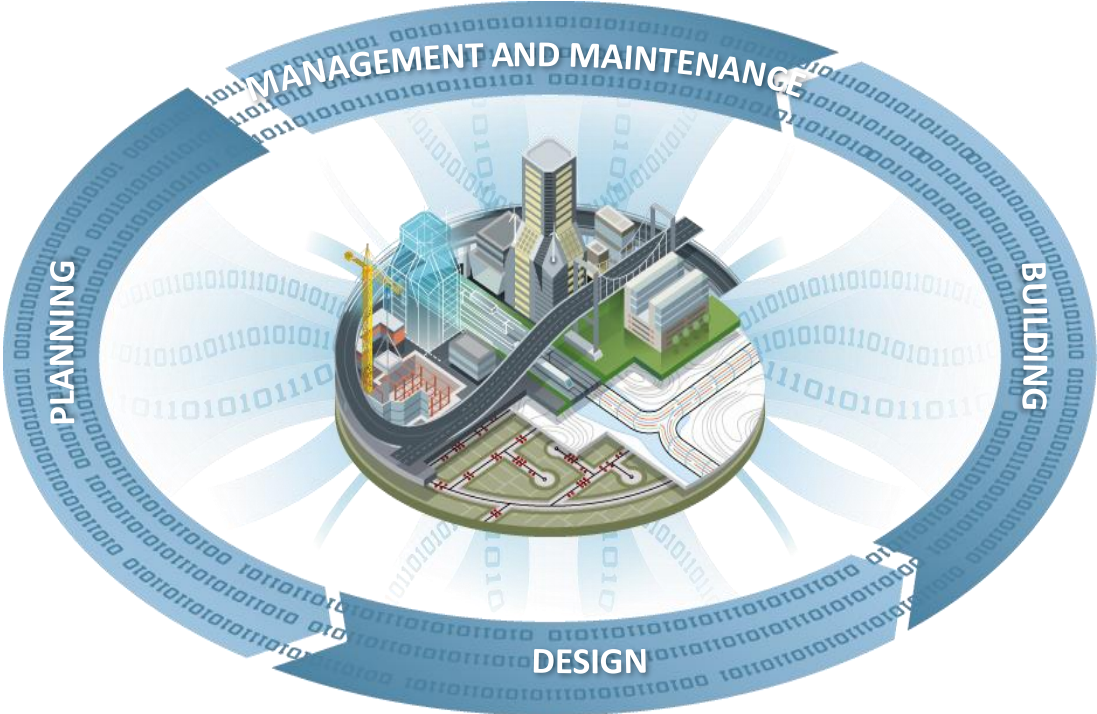
M

Modelling

*“Building information Modelling is one of the most promising developments in the architecture, engineering and construction (AEC) industries. With BIM (Building Information Modelling) technology, one or more accurate **virtual models** of a building are **constructed digitally**. They **support design** through its phases, allowing **better analysis and control** than manual processes. When completed, these **computer-generated models** contain **precise geometry and data** needed to support the **construction, fabrication, and procurement** activities through which the building is realized”*

*BIM Handbook (Eastman, Teicholz, Sacks, Liston)*

# BIM in Lifecycle Management



**BIM** = enabler in making a city ,smart‘

