

Digital Twin Cities: Laying a new cornerstone in the smart city's digital foundations

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Abstracts

The Digital Twin is a concept that first appeared in the early 2000s, and has been applied to a number of industrial sectors (space, aeronautics, automotive, construction...).

The concept applied to the city, Digital Twin City, is far more recent. While it has been making headlines, e.g. with its application in Singapore, it is clearly still getting its bearings and working to carve out a market.

This report takes a two-pronged approach to analyse the Digital Twin City: the solution providers' perspective, by looking at the main suppliers and how they are positioned in this nascent market, and a city-centric perspective, qualifying the directions cities have chosen when designing their Digital Twin.

Who are the companies supplying solutions?

What sectors are they from?

What is the current shape of the Digital Twin City ecosystem?

What type of city-backed Digital Twin City projects are we seeing?

What main sectors of application are cities showcasing?

Cities studied:

Europe: Cambridge, Helsinki, Rennes, Rotterdam

North America: Boston, Pasadena, Portland

Middle-East and Asia: Dubai, Jaipur, Singapore, Yingtian

Greenfield projects: Amaravati, Toronto Waterfront

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