



A DYNAMIC, UP-TO-DATE DIGITAL
REPLICA OF A BUILT
ASSET OR
ENVIRONMENT



HOW DOES DIGITAL TWIN TECHNOLOGY WORK?

PAST DATA



Historical performance data of individual machines, overall processes, and specific systems.

PRESENT DATA



Real-time data from equipment sensors, outputs from manufacturing platforms and systems, and outputs from systems throughout the distribution chain. It can also include outputs from systems in other business units, including customer service and purchasing.

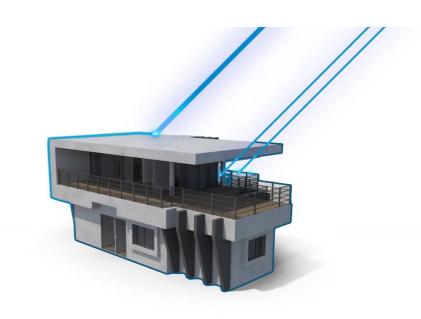
FUTURE DATA



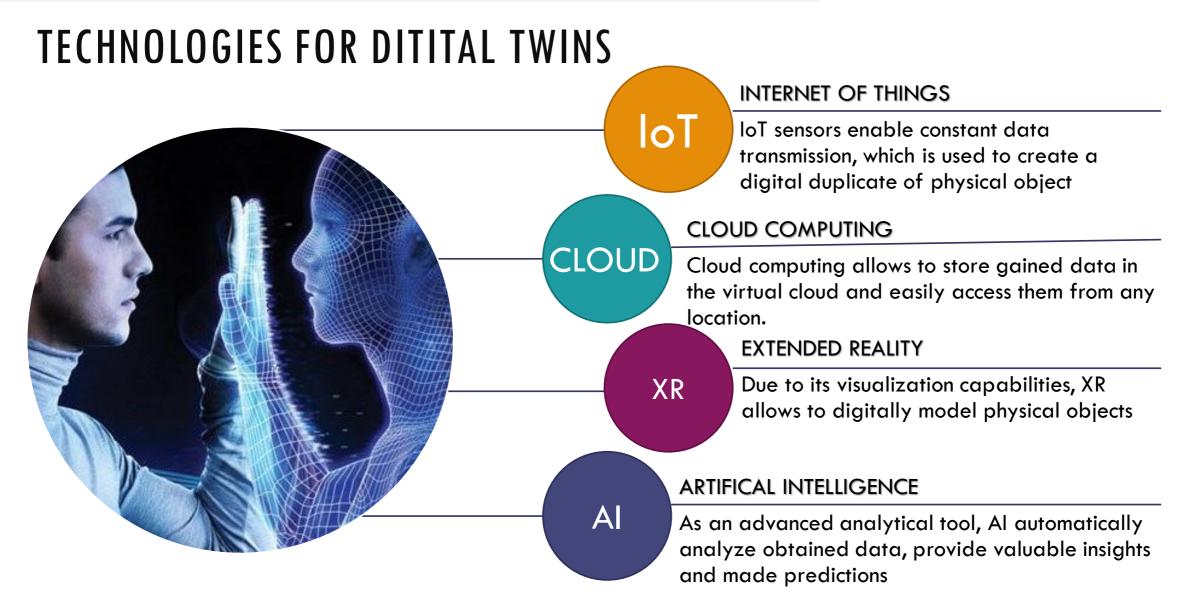
Machine Learning as well as inputs from engineers.

DIGITAL TWIN FACILITATION IN REAL WORLD

- By providing the precise up-to-date model of its origin, a DIGITAL TWIN Can help DESIGNER, ENGINEERS, CONTRACTORS, OWNERS AND MANUFACTURERS to create more efficient structures.
- Digital twin can help IN PLANNING,
 DESIGN AND CONSTRUCTION FROM OPERATION TO MAINTENANCE.
- Digital twin update itself according to the data, that can make improvements.
- On large scale multiple digital twin can be integrated to develop ECO-System.







Data from the original asset is used to built and improve DIGITAL TWIN.

DESCRIPTIVE TWIN

INFORMATIVE TWIN

PREDICTIVE TWIN

COMPREHENSIVE AUTONOMOUS TWIN

TWIN

TYPES OF DIGITAL TWINS



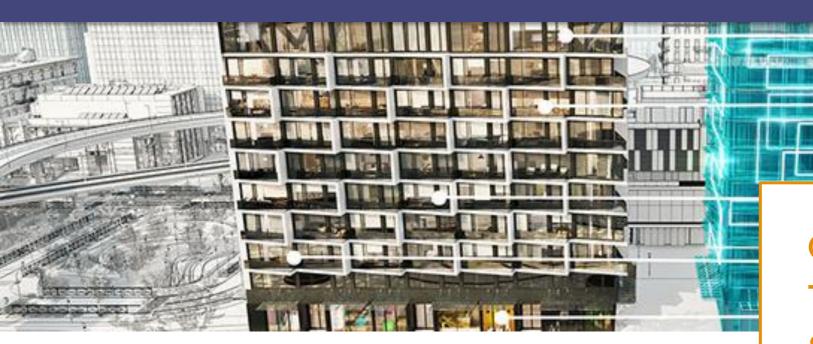


A DESCRIPTIVE Twin is a live, editable version of design and construction data.





A INFORMATIVE Twin manage operational and sensory data. As data is added twin become richer and richer and strongly linked to its physical counter-part.





COMPREHENSIVE Twin simulates future Senecios. It consider WHAT-IF questions.





In future Twin will become AUTONOMOUS, able to learn and act on behalf of users.

