

ENTRONIX AND THE DIGITAL TWIN MOVEMENT

A Digital Twin is a virtual representation of a physical building across its life cycle.

WHAT USE IS IT?



By looking at a digital twin, one can see how a building is functioning now, when it is not functioning efficiently, and how it will function in hypothetical scenarios throughout its life cycle.

HOW DOES IT WORK IN ENTRONIX?



Entronix analytics platform uses real-time data to virtually depict how a building is operating, when it may require maintenance and how it could respond to different stressors by utilizing IoT sensors, AI and machine learning.

CAN IT CONNECT TO EXISTING SYSTEMS IN A BUILDING?



Entronix' platform can connect to most existing systems in a building via an API, or via standard protocols such as XML, JSON, BACNet, Modbus, and oBIX (Tridium). Entronix can also connect directly at the device and sensor levels.

WHAT ARE THE KEY BENEFITS?



Digital twins are helping buildings surpass previous performance levels in many aspects of operation. Benefits include the ability to perform predictive maintenance, improved OEE, reduced waste, and generally improved service quality and response time.