

WHAT IS A DIGITAL TWIN?

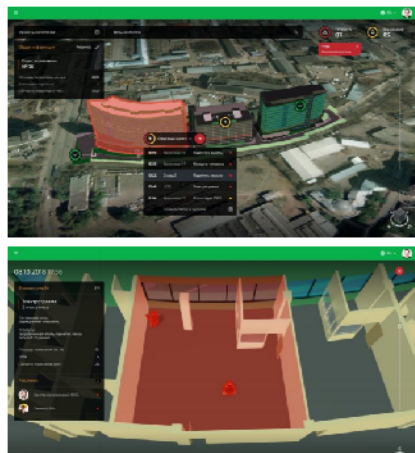
Digital Twin represents the convergence of the physical and the virtual world where every industrial product, operational process or asset will get a dynamic digital representation.

HOW IT WORKS



- 1 Always represents an **existing operational object** – from design proposal to system handover, the digital twin will reflect a real object
- 2 Represents **the object's real-world state** – provide data that describes the present and historical conditions of the object and external and internal processes
- 3 Models can **expand into multiple realms**: supply chain analysis can benefit from modelling warehouse operations, truck management system and weather conditions

DIGITAL TWIN TYPES AT NNTC



Digital Worker

Digital Enterprise module - this visual and manageable model gives actual control over production processes and allows navigating across facilities and virtually traveling across rooms and floors.

You can see projections of employees moving or sitting around the workshop in real-time.



SmartTwin

Solution for seaports. SmartTwin allows connecting different isolated management systems in one single management platform providing full visibility on different processes correlation in real-time environment.

It enables control and improvement of production cycle operations, saves resources, extends the life of the equipment.



VR OTS

VR and computer graphics-powered training solutions for safe working at industrial enterprises.

They help companies reduce risks of production downtime, accidents, and emergencies.

BENEFITS

1

Fast ROI

2

Revenue growth

3

Reduction of Operating Cost