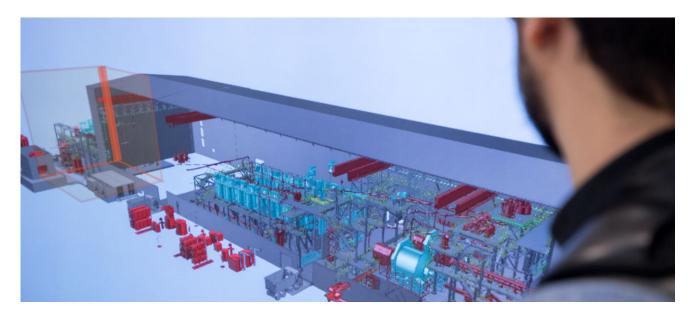


Industrial Internet Campus

Machinaide

Digital twins provide new possibilities to connect machines and industrial systems. Digital twins can be used to share information and metadata between machines and humans. In this project digital twins are combined with operating systems, Virtual and Mixed Reality and Digital Twin Web is created between industrial ecosystems world wide.



Machinaide is a project that defines how the industrial ecosystems work together in the future. Today, machines and factories create ecosystems that operate locally. Machinaide creates solutions to connect these ecosystems similarly as the internet works today. New and better human-machine interfaces can be used to process information from connected ecosystems. This enables the full potential of Digital Twins, Internet 4.0, and Industrial Internet of Things.

Machinaide is a multinational project, including partners from Finland, Turkey, Netherlands, and South-Korea. Finnish partners include Konecranes, Ideal GRP, Roll Research International, Remion, and VTT. The Finnish consortium's work focuses around the Aalto Industrial Internet Campus where various systems are demonstrated. Ilmatar, the Smart Crane, and Roll Research Internationals Virtual Grinding Machine, and their digital twins create one ecosystem, which will be connected to our international research partners' ecosystems.

More information about international partners can be found from www.machinaide.eu.