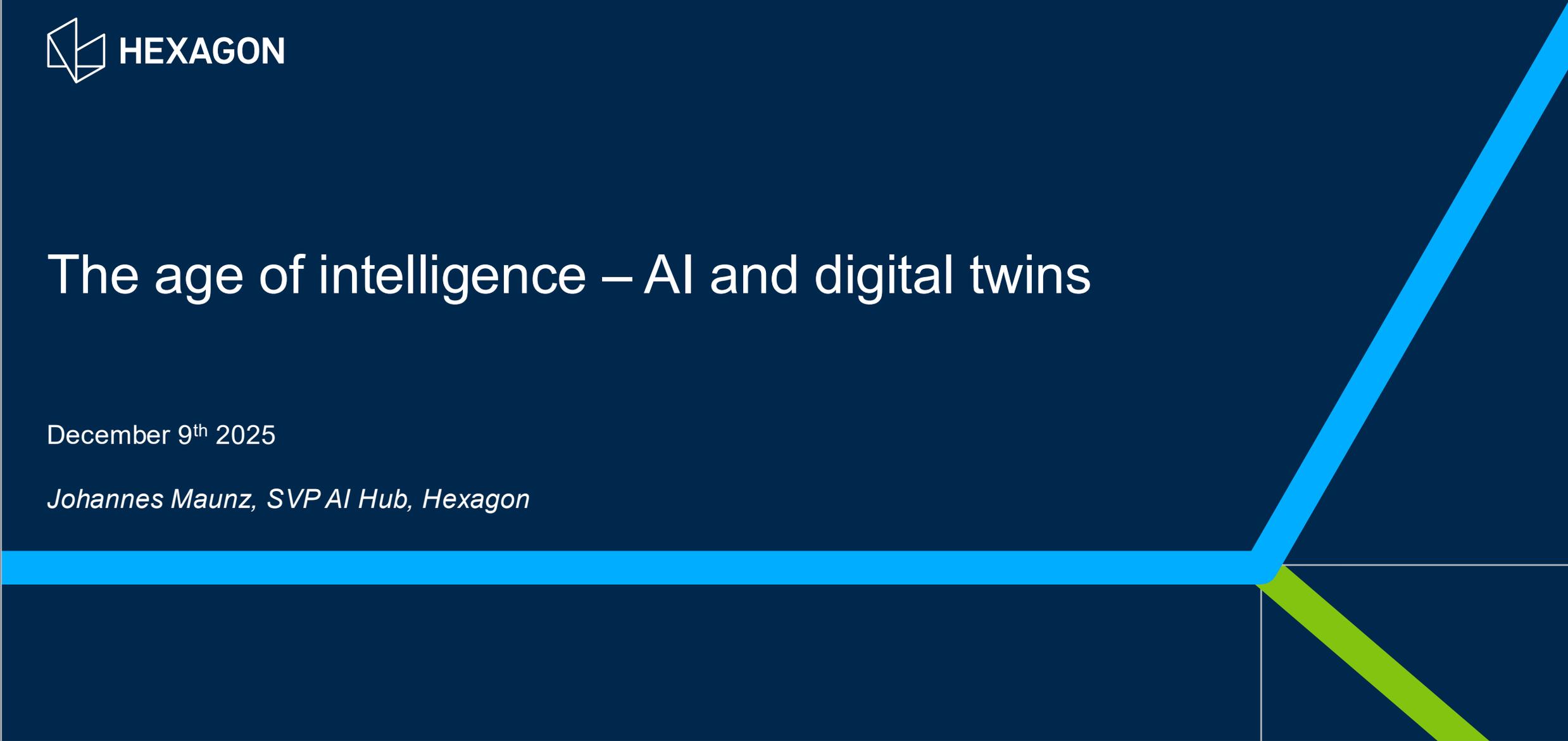


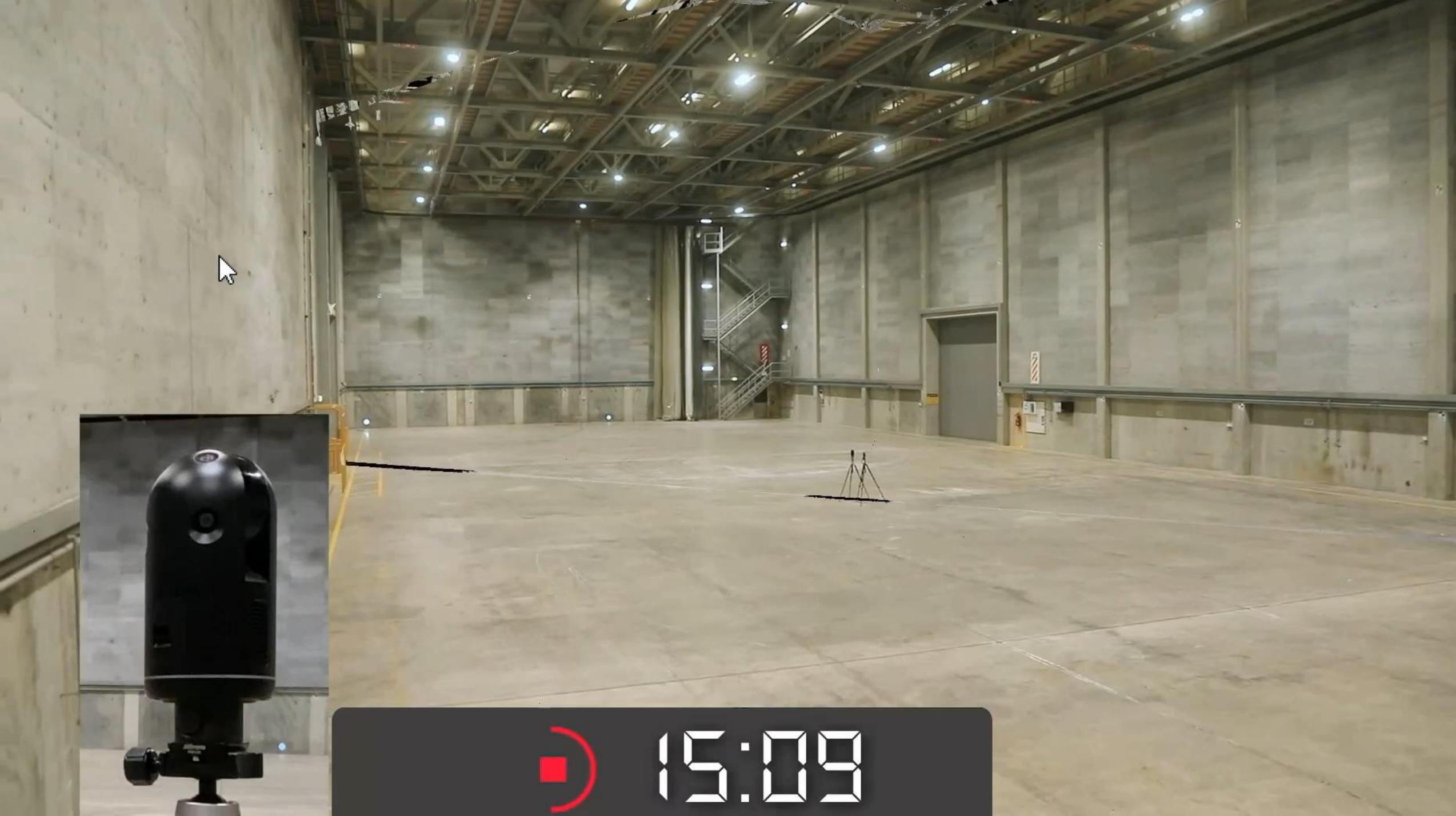


The age of intelligence – AI and digital twins

December 9th 2025

Johannes Maunz, SVP AI Hub, Hexagon



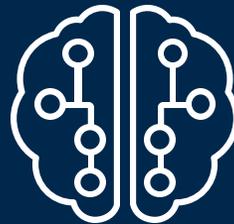


Spatial Intelligence

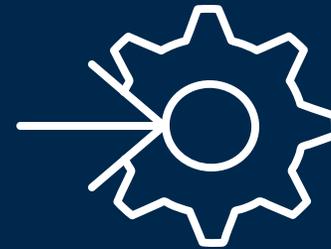
... is the capability of machines to **process visual data, make predictions, and act upon those predictions** in a way that allows them to understand and interact with the real world.



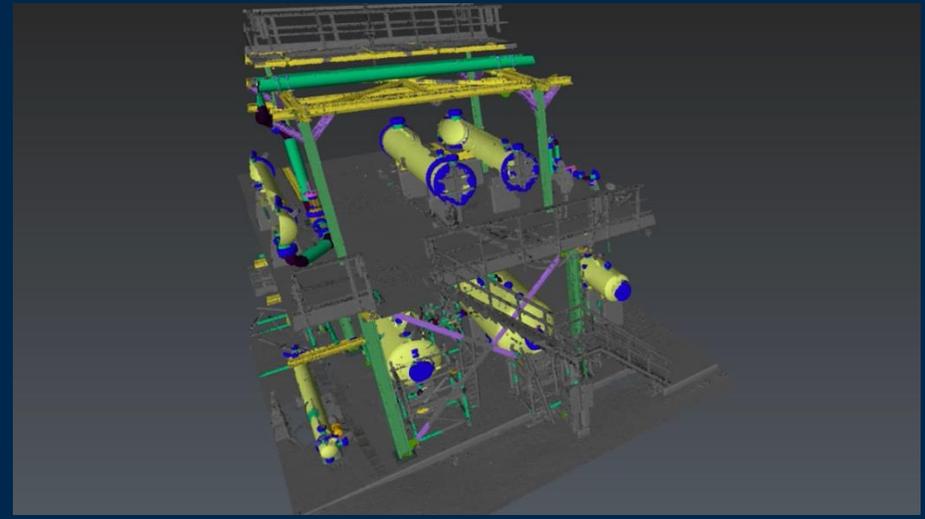
perceive



reason



actuate







- LAYERS
- Annotations
- Markers
- Panoramas
- Deviation
- Point cloud
- IFC model
- Google 3D Tiles



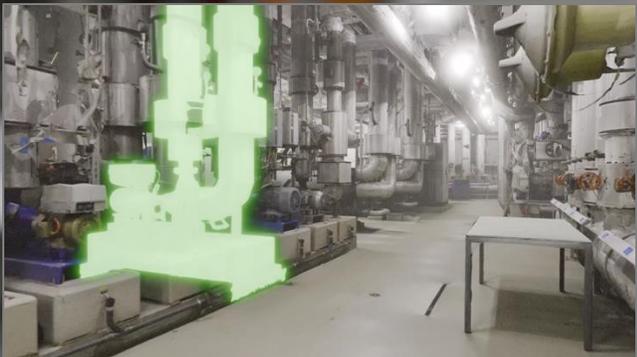
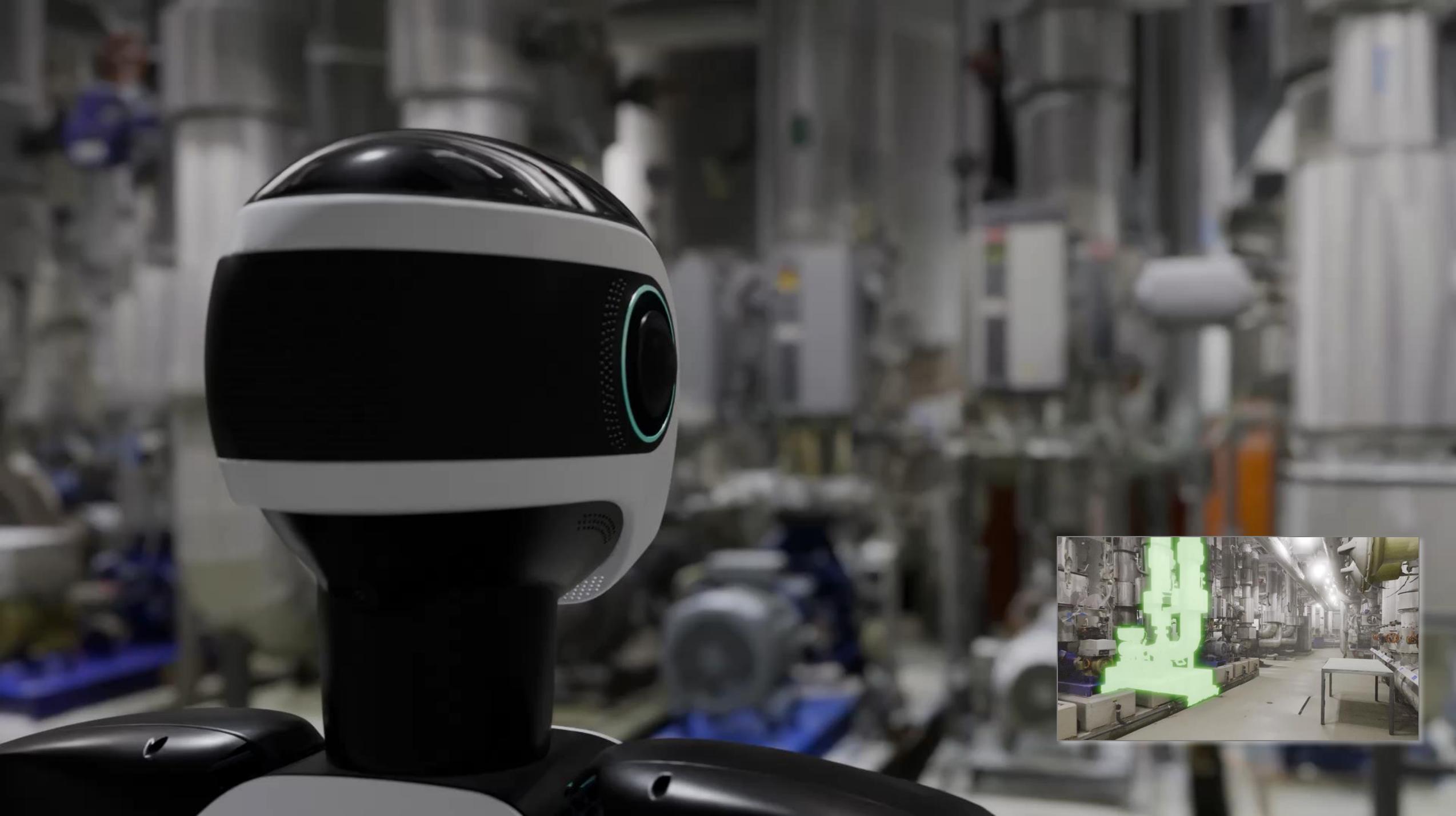


**Spatial
intelligence**



**Spatial
awareness**





A view of Earth from space, showing the curvature of the planet and city lights at night. The text "Welcome to the Age of intelligence" is overlaid on the image.

Welcome to the
Age of intelligence

AI powered urban digital twin in Klagenfurt

The outcome

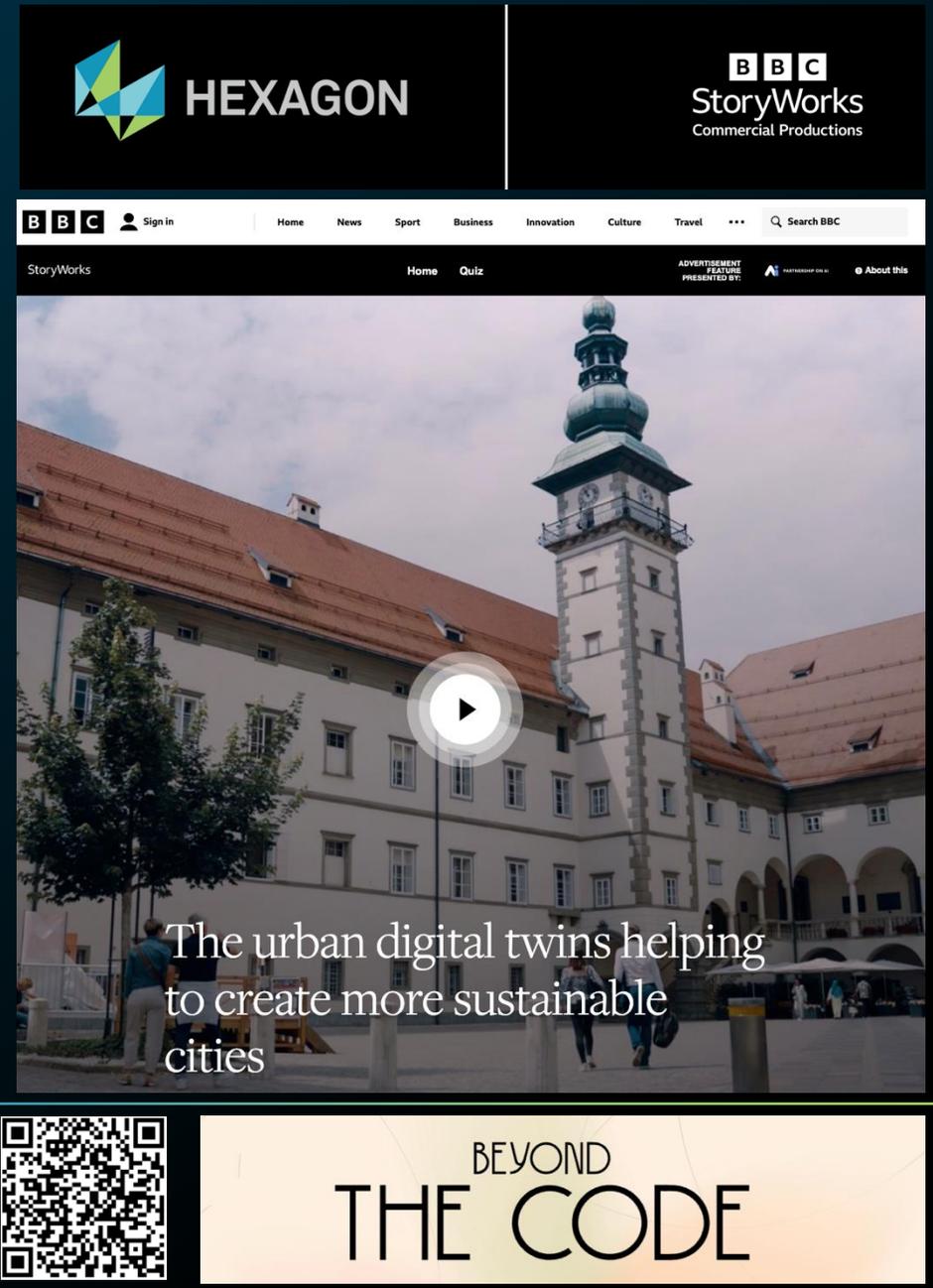
The digital twin is updated every 24 months to **measure and manage progress** achieving the goal as part of the EU-Mission „100 climate-neutral and Smart Cities” by 2030

Hexagon AI measured **116% increase in solar panel** area between 2021 and 2023

Klagenfurt achieves its goals to become climate neutral **33% faster because of the digital twin**

Klagenfurt's Digital Twin enables **>14 000 tCO₂e** avoided emissions per year

That's the equivalent of taking > 330 internal combustion engine vehicles off the road or compensating for the annual carbon footprint of > 2 000 Austrian citizens



The image shows a screenshot of a BBC StoryWorks video player. At the top left is the Hexagon logo, and at the top right is the BBC StoryWorks Commercial Productions logo. Below the logos is a navigation bar with links for Home, News, Sport, Business, Innovation, Culture, and Travel, along with a search bar. The main content area features a video player with a play button overlay. The video shows a large, white, multi-story building with a prominent tower and a red-tiled roof. The text overlay on the video reads: "The urban digital twins helping to create more sustainable cities". At the bottom left of the video player is a QR code, and at the bottom right is a banner with the text "BEYOND THE CODE".

