



YOUNITE^{AI}



YOUNITE

INTRODUCTION

A potent mix of experience & expertise

Global Reach • 70+ Experts





YOUNITE

INTRODUCTION

We integrate **data**, **AI**,
and **digital twins** to
create insight for
humans and a training
ground for AI.

AI

+

3D



YOUNITE

NVIDIA Partner in Omniverse & AI

We are an official NVIDIA solution consultant.

We assist companies in integrating NVIDIA Omniverse and NVIDIA AI tools into their processes to generate value.

As a recognized leader AI and XR development, we integrate digital twins with company product data to provide real-time capabilities that can be utilized throughout the entire product lifecycle, from design to end customer.



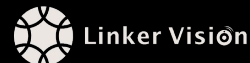


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OUR EXPERIENCE

Clients

Some of the brands and organizations our team has been lucky to collaborate with.





GTC Paris Keynote

Younite AI work with Gothenburg, Detroit, Cleveland and Kaohsiung was showcased in the Nvidia CEO Jensen Huang Keynote at Paris GTC.

Younite AI was also mentioned as one of the leading companies in the press release for the launch of the Omniverse Blueprint for Smart City AI.

[Read more.](#)



NVIDIA Brings Physical AI to European Cities With New Blueprint for Smart City AI

NVIDIA Omniverse Blueprint for smart city AI — integrating NVIDIA Omniverse, Cosmos, NeMo and Metropolis — adopted by leading ISM partners to improve sustainability and quality of life for residents across Europe.

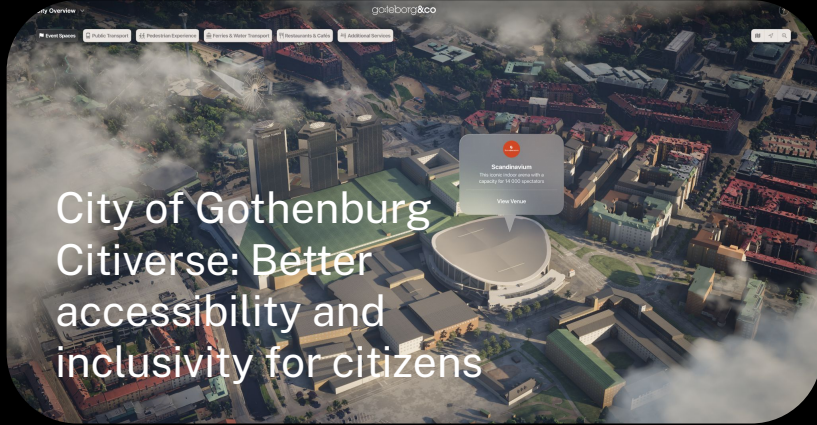
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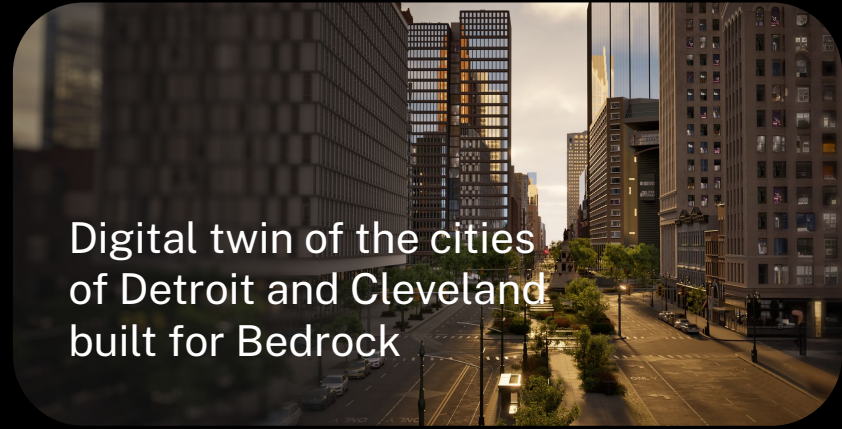


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SELECTION OF SMART CITY PROJECTS



City of Gothenburg
Citiverse: Better
accessibility and
inclusivity for citizens



Digital twin of the cities
of Detroit and Cleveland
built for Bedrock



City of Kaohsiung for
LinkerVision:
Preparation for
unexpected scenarios



City of Tampere: VIP
visitor experience based
on AI and real-time data



The hidden challenge
behind every smart
city initiative:

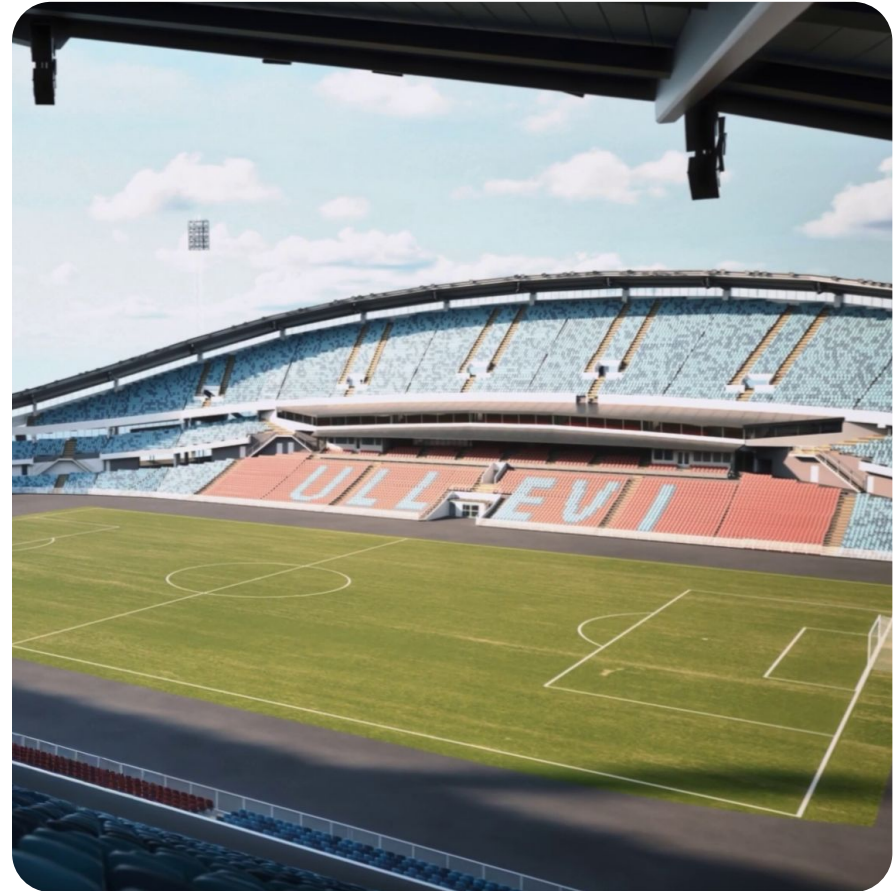
Cities don't need more data —
they need structure.



That's why we built the Younite Smart City Framework

A unified framework that gives cities the structure, standards, and strategy to build sustainable digital twins -ready for AI and automation.

- Aligns strategy, governance, and data into one coherent architecture.
- Creates a common semantic backbone for BIM, GIS, IoT, and simulation data. Utilizing e.g. European Digital Infrastructure Consortium (EDIC) toolbox.
- Enables AI-driven automation and simulation across all city systems.





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Reference Cases



Event Spaces

Public Transport

Pedestrian Experience

Ferries & Water Transport

Restaurants & Cafés

Additional Services



Scandinavian

This iconic indoor arena with a capacity for 14 000 spectators

[View Venue](#)

Digital Site Visits

Showcasing the City of Gothenburg for B2B clients





Digital Detroit & Cleveland

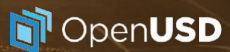
A digital twin of the cities of Detroit and Cleveland built for Bedrock

The digital twin serves as the foundation for immersive experiences, storytelling and connecting both cities with a broader audience both online, showrooms and trade fairs.

Future applications include

- A collaborative planning tool for third parties
- Simulations for weather, traffic and other preparedness scenarios

Built on:





Case: City of Detroit Digital Twin - For marketing and business development





City of Kaohsiung

- Create synthetic data to train real time responsive CCTV camera network
- Simulate various scenarios around anomalies
- Increase major incident preparedness and first responder efficiency

Key Benefits of Synthetic Data

- Endless what-if scenario testing
- Simulate rare or hard-to-find scenarios
- Expand dataset variability for better model generalization



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Virtual Showroom

<https://younite.ai/virtual-showroom>



VIRTUAL SHOWROOM

BENEFITS

Key Benefits



Premium Brand Experience

Elevate the experience by letting buyers explore every detail through on-brand storytelling, and configure options in lifelike environments.

Faster Go-to-market

Launch products faster and start selling before physical models exist by engaging customers, dealers, and press instantly across all markets.

Shorter Sales Cycles

Drive sales by equipping dealers with a tool to showcase every model instantly, and make tailored offers with high-fidelity visuals.

Higher Conversion Rates

Give customers the confidence to purchase through an experience that enables exploration of options and brings every model to life.



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VIRTUAL SHOWROOM

Saxdor Virtual Showroom

In partnership with Younite, the Finnish shipyard introduced the Saxdor Virtual Showroom, an immersive, interactive space where every detail of the Saxdor fleet can be explored as if you were stepping onboard. It's a first glimpse of how this technology is transforming the boat show experience, making discovery as exciting as the open water itself.



Younite Virtual Studio

SCALING PRODUCT VISUALIZATION



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Machine vision



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MACHINE VISION

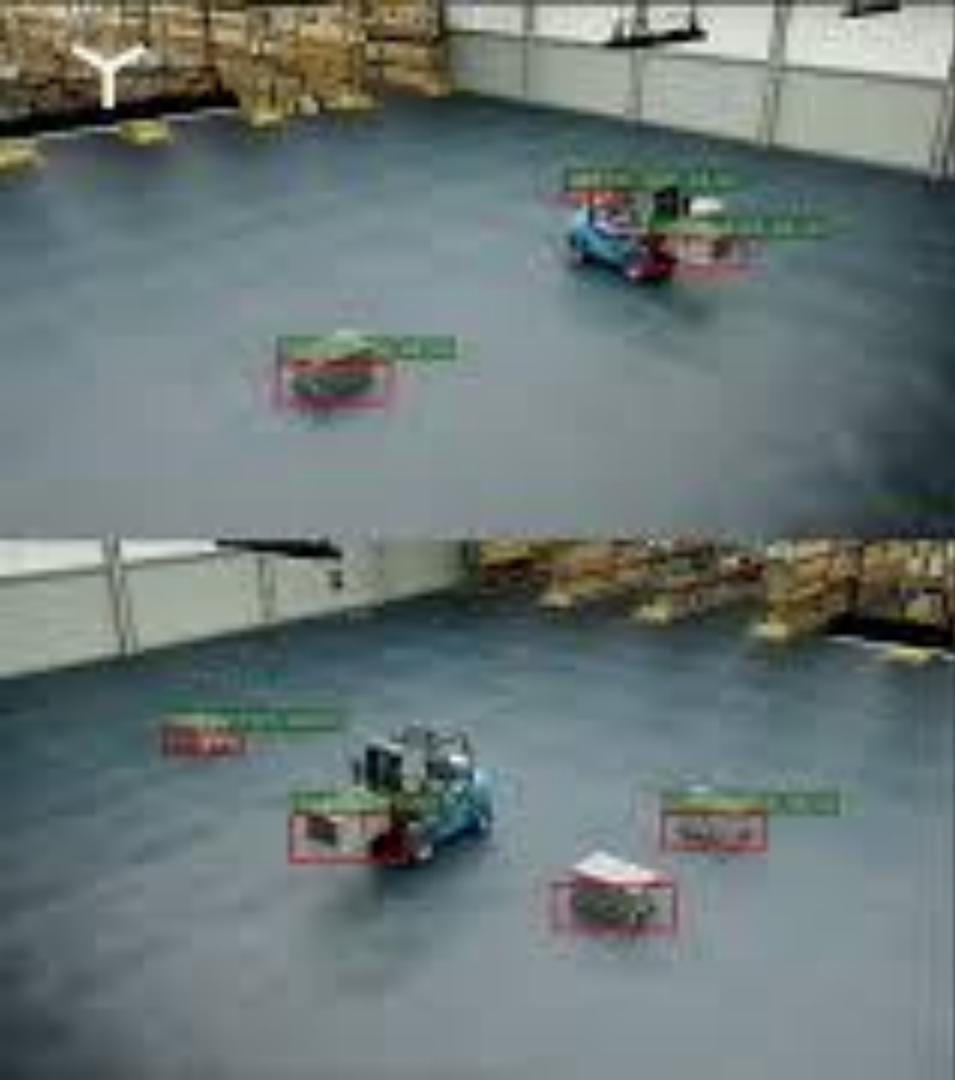
AI-Driven Pallet Tracking

Continuous Pallet Tracking & Object Permanence

We are transforming warehouse efficiency by developing AI vision models for continuous pallet tracking using only RGB cameras:

1. **Identity Assignment:** The system detects incoming Euro pallets and assigns them unique identities using machine vision, completely eliminating the need for additional physical sensors.
2. **Seamless Camera Handover:** Ensuring true object permanence, the AI tracks pallets continuously across the facility, maintaining their identities without interruption as they move between different camera fields of view. This solution is built and trained using Digital Twins and Synthetic Data within NVIDIA Isaac Sim, and deployed via NVIDIA DeepStream.

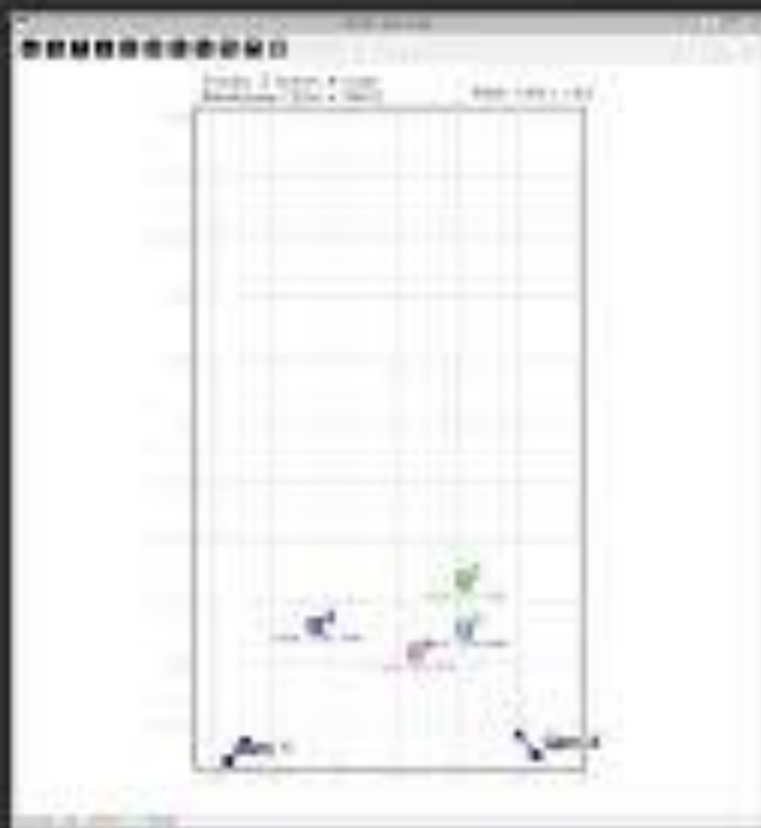




NVIDIA
OMNIVERSE



NVIDIA
METROPOLIS



VAMOS AUTONOMOUS
MOBILITY IN
SMART SPACES



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