



UN ITU Forum on AI and Citiverse

Accelerating Citiverse Innovation through Real-Time 3D and AI: Case Studies around the Globe

2026



We believe the world is a better place with more creators in it.



Dr.-Ing. Gustavo Melo
Senior Account Manager
Unity Industry



Jack Strongitharm
Senior Solutions Architect
Unity Industry



World's leading company for creating and operating interactive, real-time 3D immersive content (AR, VR, Digital Twin, Games, Simulations).

190+

Countries and
territories have Unity
creators

2B+

Annual Revenue

#1

Platform for Immersive
Tech, AR, VR, & Digital
Twin across Industries

5000+

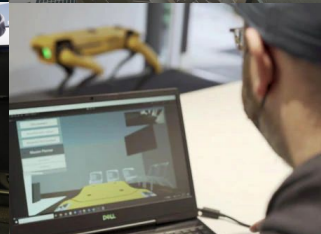
Employees

3.7B+

Applications Use

500

Trusted by
Fortune 500,
governments,
aerospace & defence





Digital Twins
Augmented Reality
Virtual Reality
Extended Reality
Mixed Reality
RT3D AI
Virtual Production
Video Games
Interactive Media
Physical AI...

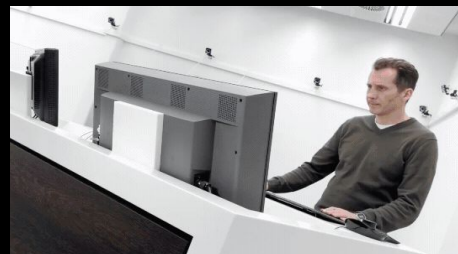
UNITY
is the underlying
technology



Citiverse, Smart City/Agriculture



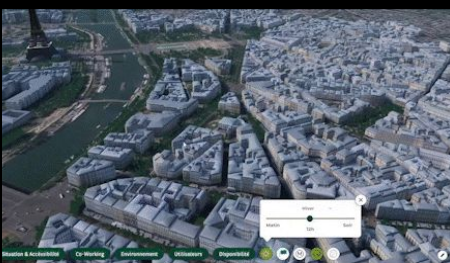
Tourism, Heritage



Automotive



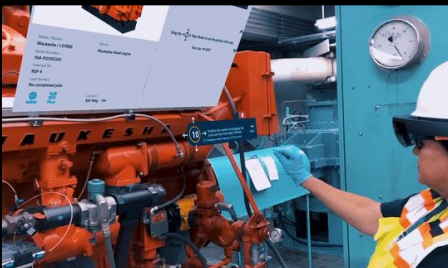
TVET & Higher Education



AEC, Real Estate



Oil & Gas, Mining



Manufacturing, Robotics



Energy, Aerospace



Healthcare, Customer Service

JTC Open Digital Twin

The technology powering Singapore's smart district

Singapore's unified digital twin platform connecting IoT, building systems and real-time operational data. Breaking down data silos to enable integrated monitoring, simulation and operational decision-making across the district. Delivering measurable impact — including up to 30% energy savings on cooling — while providing a scalable blueprint for Singapore's Smart Nation ambitions.



↑ Land traffic monitoring



↑ Marine Traffic Monitoring



↑ Space and building management



↑ Air condition monitoring and HVAC control



↑ Public Transportation



↑ Parking



↑ Environment Monitoring (e.g. water level)



↑ Simulation (e.g. building evacuation)

PLATEAU by MLIT

Government Smart City Database in Japan for Unity

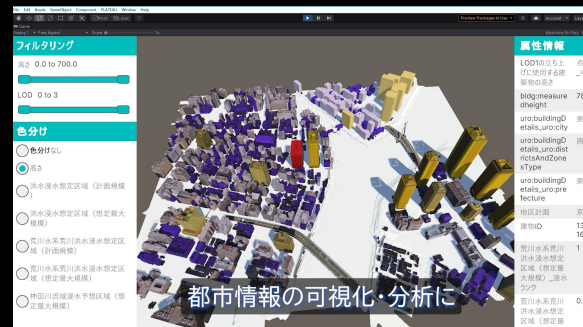
PLATEAU's 3D city models build on Unity have the potential to address social issues and create new value. Across Japan, more than 100 solutions utilizing 3D city models are already being developed.



↑ Loading desired 3D data with grid system



↑ Public 3D assets for 250+ different cities



↑ Historical urban information for visualization and analysis



↑ Weather system for buildings and vehicles



↑ Metadata and layers

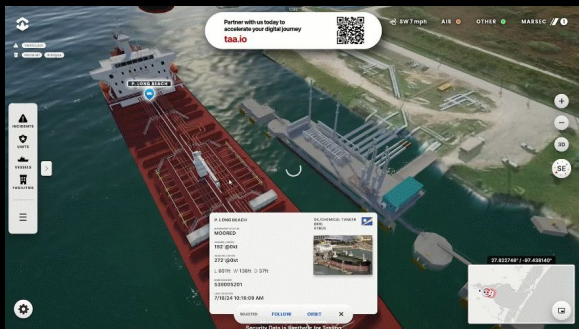


↑ Driving Simulation

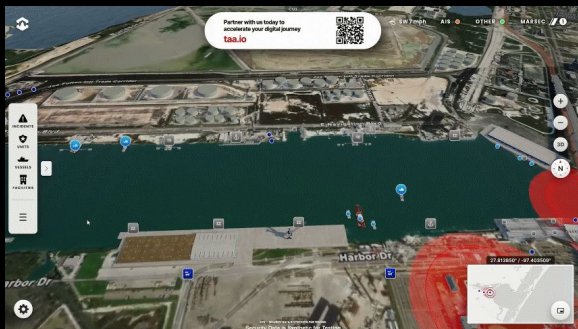
Port of Corpus Christi

Real-time digital twin for smarter port operations

At the CC Port in Texas, a unified digital twin integrates GIS, vessel tracking, weather and dispatch data into a single operational platform. It allows Real-time 3D situational awareness across port operations, interactive monitoring of vessels, incidents and critical infrastructure.



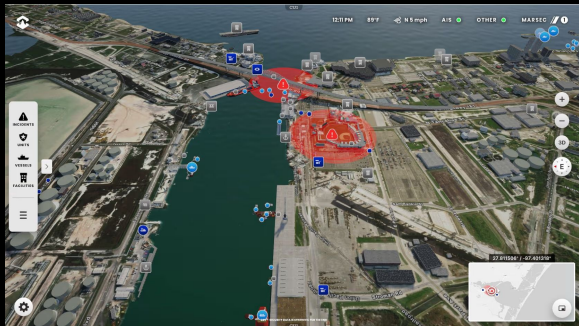
↑ Vessel & Incident Monitoring



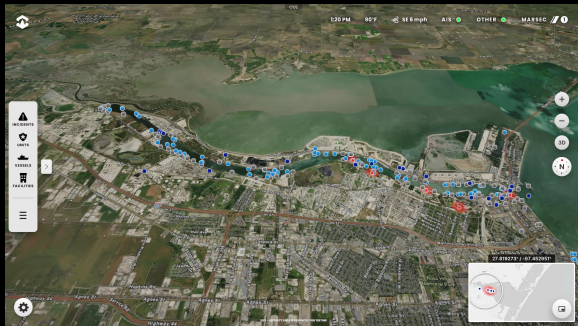
↑ Real-Time Vessel Tracking



↑ Interactive Vessel Monitoring



↑ Port-Wide Situational Awareness



↑ Operational Data Integration



↑ Infrastructure Monitoring & Simulation

City of Trondheim

Interactive digital twin for urban planning & citizen engagement

For the Trondheim 2050 initiative, the City of Trondheim in Norway combined GIS data and architectural models in Unity to create an interactive 3D vision of the city's future. The experience enabled planners and citizens to explore proposed developments in context, provide feedback and support more participatory urban planning



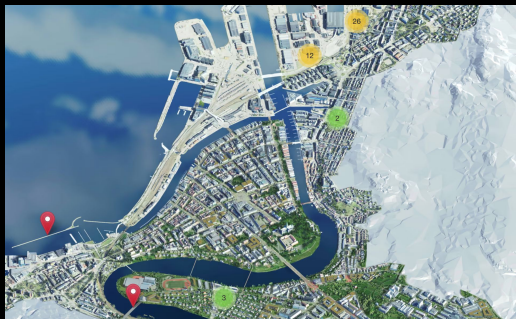
↑ Immersive 360° City Exploration



↑ Future Urban Development Visualization



↑ Interactive Urban Planning Scenarios



↑ Citizen Feedback & Spatial Participation



↑ Proposed Developments in City Context



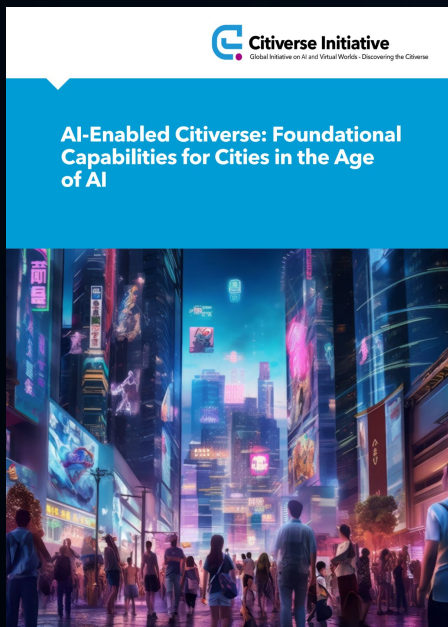
↑ Interactive 3D City Exploration



Technology Enables the Citiverse. People Make It Happen.

Future-ready cities need future-ready people

As cities adopt AI, digital twins and immersive environments, local workforces, public servants, innovators and municipal operators need the capabilities to build, operate and evolve them.



01

FUTURE-READY WORKFORCE

Prepare local talent, public servants and municipal operators for AI, data and immersive environments.

02

PRACTICAL SKILLS DEVELOPMENT

Build capabilities through scalable training, practical learning through simulation and better access to digital tools.

03

LOCAL INNOVATION CAPACITY

Strengthen local innovation capacity, improve digital competitiveness, and support workforce transition at scale.



*The **Unity Skills Development Program** is an initiative designed to equip individuals and organizations with cutting-edge **Real-Time 3D skills**, fostering economic growth, entrepreneurship, and innovation across several industries.*

This program serves as a strategic platform to empower talent, accelerate workforce readiness, and enable businesses to adopt Unity's technology effectively.



Who do we work with?

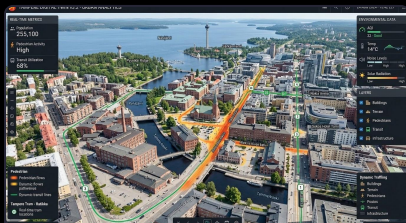
Government entities, universities, start-ups, and enterprises. End users and beneficiaries are developers, educators, students, and professionals across different industries.

						
Location: Canada Incubator & XR Accelerator program. Unity providing ILT, Consulting services, and custom mentoring to 8 startups.	Location: Canada Unity delivering instructor-led training and certification programs to up to 400 Canadian residents to upskill them with digital twin/industry-related skills for agriculture and food processing.	Location: USA Delivery includes Unity Certified Game Developer training + On Demand access for 15 educators; TAC + Industry licenses for the NASA project.	Locations: India & Indonesia Train and certify 500 developers in Tamil Nadu and Andhra Pradesh - key technology and gaming hubs in India. Upskill 500 developers and certify 200+ across Indonesia.	Location: Malta Develop existing talent and create a strong sustainable local talent pipeline with the goal of attracting new talent, startups and business to Malta.	Location: UAE Ongoing 10-year partnership with Abu Dhabi Gaming under the Dept of Culture and Tourism Abu Dhabi. The program is focused on upskilling students and educators in Game Development.	Location: Oman Upskill 50 Omani students in Game Development through instructor-led training workshops, On-Demand Training seats, and a game jam.



Imagine What Your City (Tampere) Could Create with Unity

Turning city data, AI and digital twins into interactive experiences for an accessible Citiverse



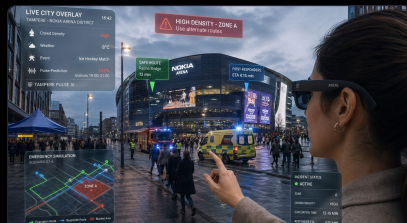
01 / URBAN DIGITAL TWIN Interactive Planning & Simulation

Turn Tampere's existing 3D city models, IoT data and urban datasets into interactive environments to explore future developments, mobility, accessibility and environmental impacts.



02 / AI + REAL-TIME DATA Predictive City & Experiences

Combine AI, real-time data and interactive visualization to anticipate visitor flows, mobility patterns and demand — supporting better city operations, businesses and event experiences.



03 / RESILIENCE + PUBLIC SAFETY Emergency & Crowd Simulation

Simulate crowd movement, emergency routes and disruptive scenarios in realistic city environments to for preparedness, first-responder training and safer major events, while connecting consumer AR smart glasses for real-time emergency communication and guidance to citizens.



04 / XR + SMART TOURISM Immersive City & Smart Tourism

Create mobile, AR and immersive experiences connecting Tampere's physical and digital city — from cultural heritage and public art to personalized navigation and event experiences.

FROM SMART CITY INFRASTRUCTURE → TO A CITIVERSE IN EVERYONE'S HANDS

Building on Tampere's existing data, AI, digital twins, [Tampere Pulse](#) and [Tampere Testbed](#) to create interactive urban experiences accessible across web, mobile, tablets, desktop and XR.

Making urban intelligence accessible to citizens, businesses and visitors — beyond specialist environments and high-end computing infrastructure.



Why only Imagine if you can Make it!

From concept to prototype in days: accelerating experimentation with AI-assisted development





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Air Quality Sensors



Traffic, Bus and Tram



CCTV Feeds



Planning Portal

Service Name

Google Photorealistic 3D Tiles (Cesium)

Unity Asset Manager (Cloud UAM)

Fintraffic Digitraffic Weathercam API

Fintraffic Road TMS Traffic API

Nysse Live Bus & Tram Fleet (Digitransit / Siri)

FMI Open Weather (Finnish Meteorological Institute)

Fintraffic Real-Time Parking API



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Alerts



Predictive and Asset Management



Live Feeds via Cloud API's

Service Name

Google Photorealistic 3D Tiles (Cesium)

Unity Asset Manager (Cloud UAM)

Fintraffic Digttraffic Weathercam API

Fintraffic Road TMS Traffic API

Nysse Live Bus & Tram Fleet (Digitransit / Siri)

FMI Open Weather (Finnish Meteorological Institute)

Fintraffic Real-Time Parking API

Unlock the potential of your workforce and create positive economic growth



Interested in knowing more?

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Unity®



Thank you

2026

