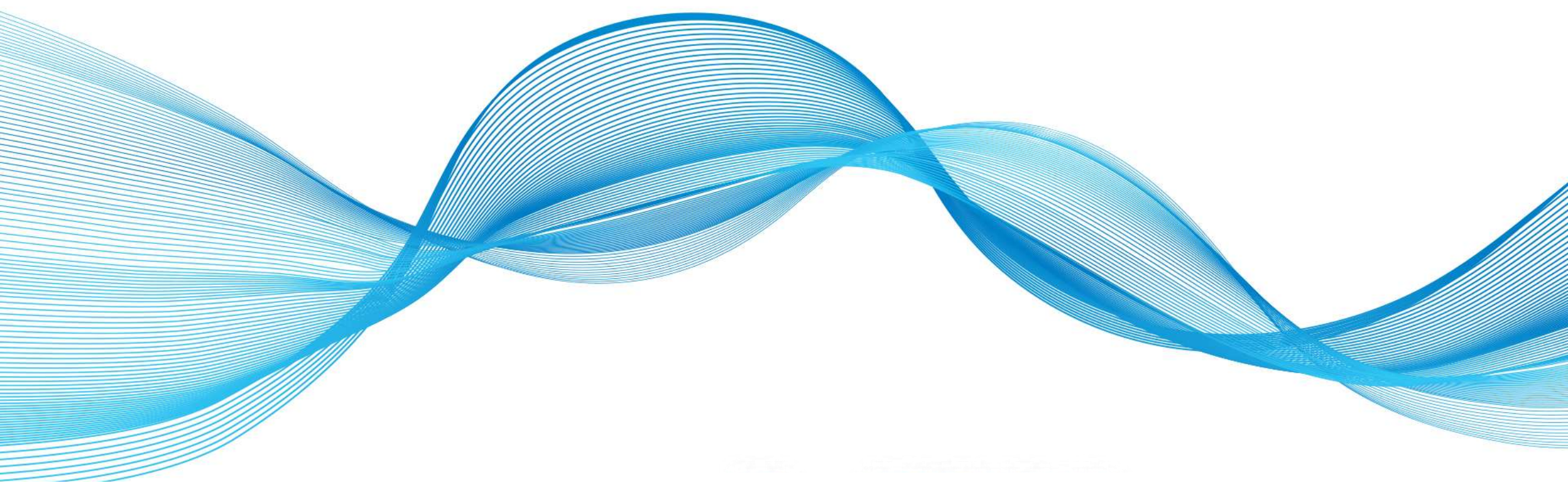
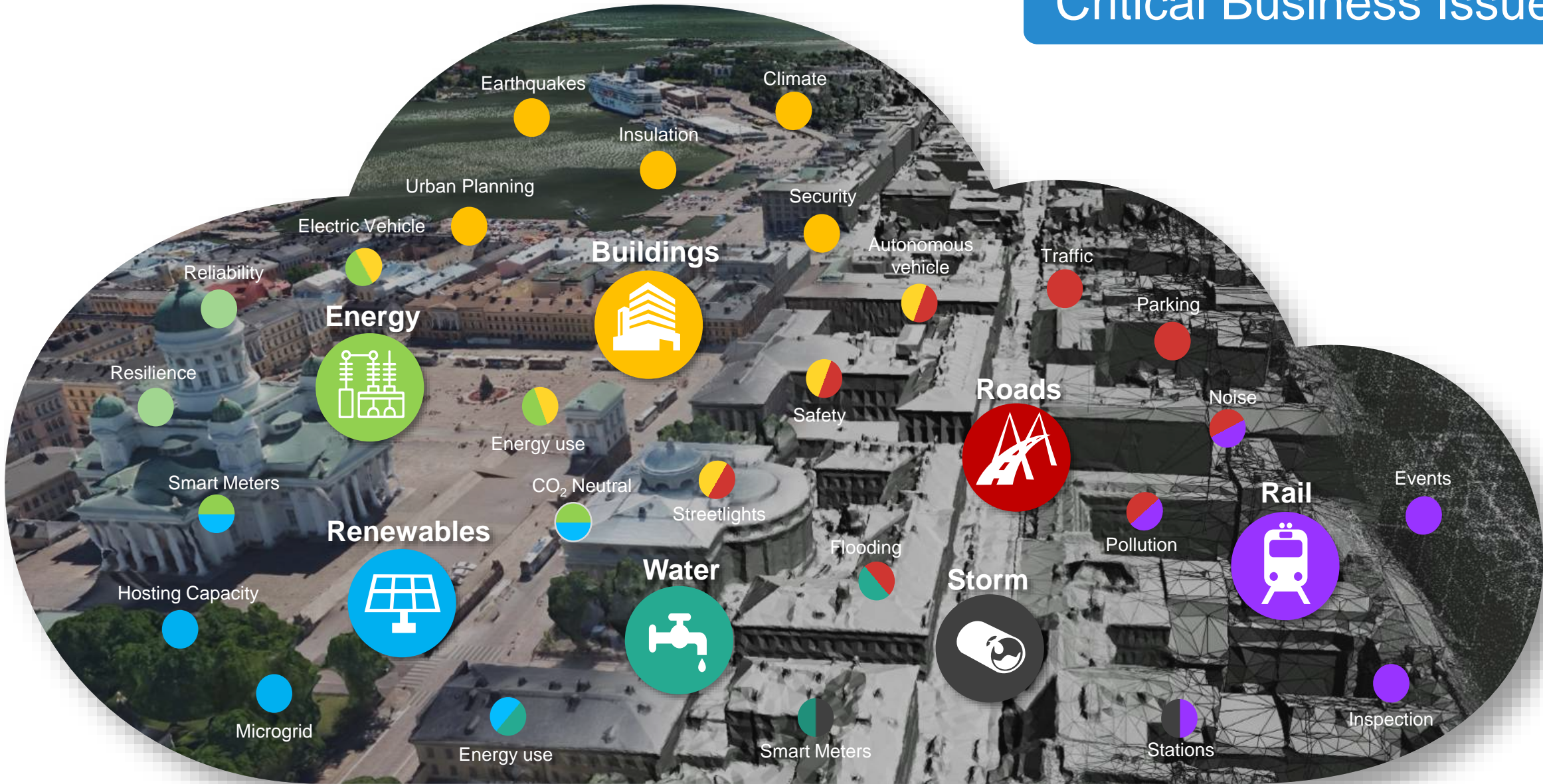


Bentley®



City as a Platform: Towards Connected City

Critical Business Issue



Connected Infrastructure

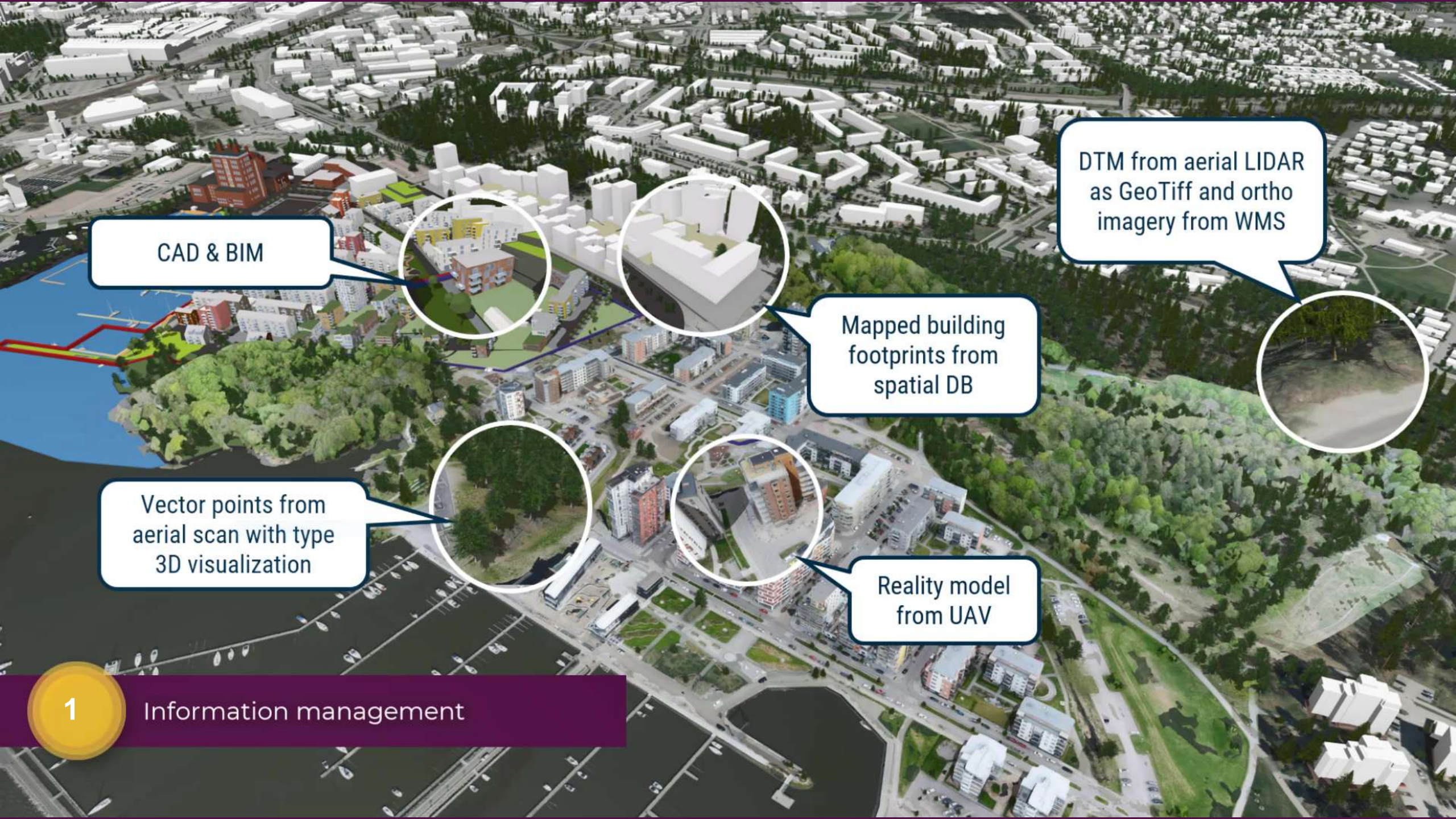


CaaP- 3 strategies

1. Information Management

2. Collaboration & Transparency

3. Visualization & Analysis



CAD & BIM

DTM from aerial LIDAR as GeoTiff and ortho imagery from WMS

Mapped building footprints from spatial DB

Vector points from aerial scan with type 3D visualization

Reality model from UAV



Information management

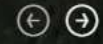
1. Information Management





Genesys International, a pioneer in advanced mapping and geospatial content services, announced that Genesys' 3D City Digital Twin Solution for Urban India - the first city digital twin project launched by any Indian company - will be powered by OpenCities 365, Bentley's infrastructure digital twin solution for cities and campuses.

This massive mapping and surveying project has begun and will capture most of urban India.



3D Portal



2D Portal



POINT CLOUD



BIM



CityGML

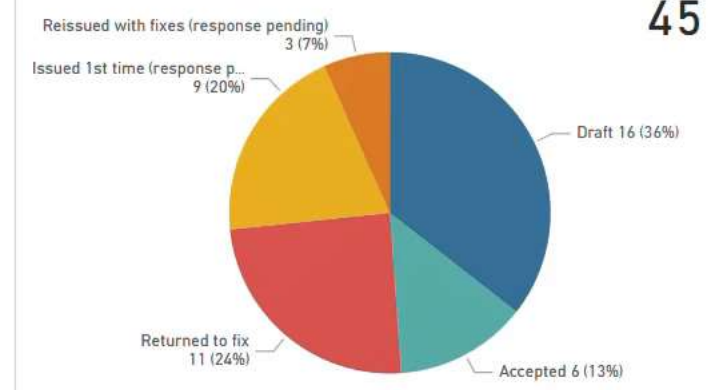


Project Insights

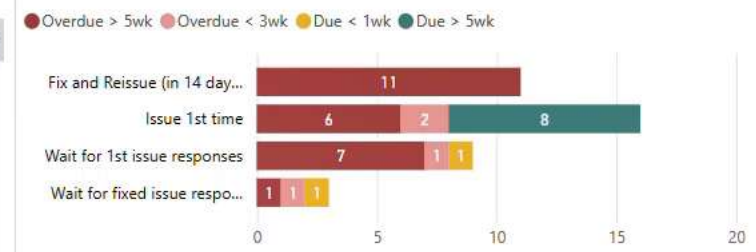
- Overview
- PWDI activity
- Incoming deliverables
- Outgoing deliverables
- Submittal to do
- Submittal trends
- Draft transmittal to do
- Sent transmittal - pending actions
- Transmittal trends
- Custom 1
- Page 1
- + New page

Outgoing deliverables

Documents by acceptance status



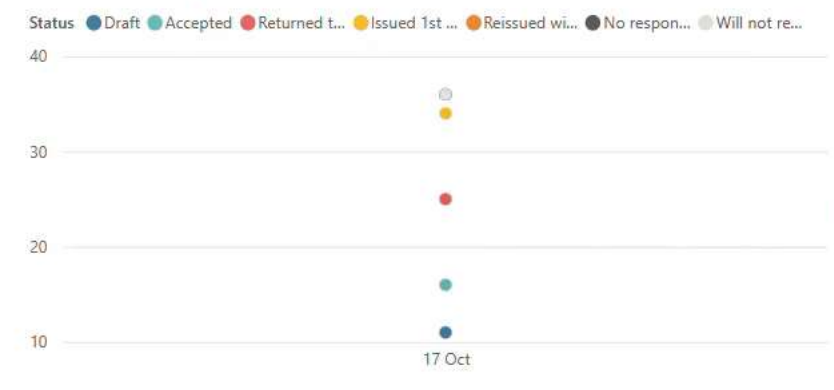
Pending tasks by due date



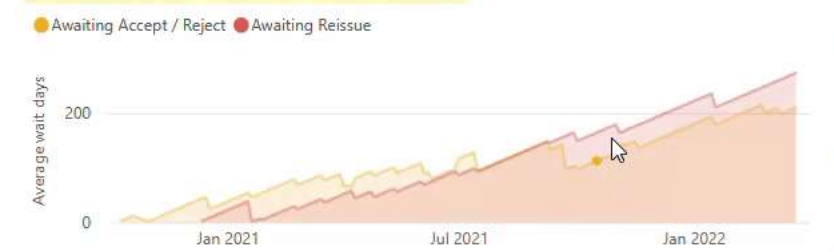
Documents by count of fixes needed



Document acceptance trends



Ongoing task average duration (in days)



Accepted documents, by weeks it took from the 1st issue



Filter by issue purpose

- <Empty Value>
- For Approval
- For Review

Filter by status

- Draft
- Accepted
- Returned to fix
- Issued 1st time (response pending)
- Reissued with fixes (response pen...)
- No response required
- Will not respond

Filter by recipient organization

All

Filter by recipient

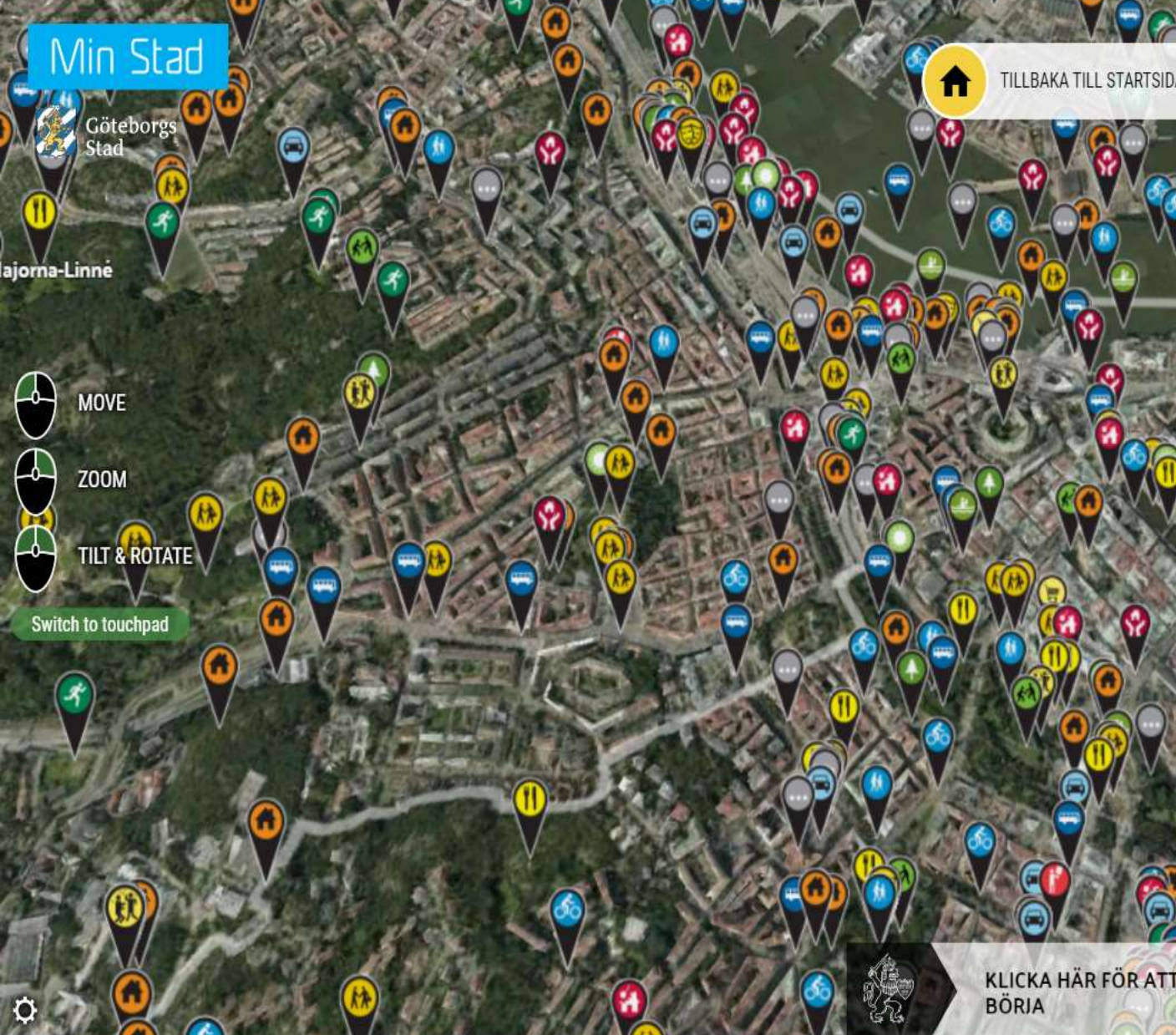
All

Filter by classification

All

2 Collaboration & Transparency

Manage deliverables



2. Collaboration & Transparency

HUR VILL DU UTVECKLA GÖTEBORG? X

BO	JOBBA
GÅ	CYKLA
KÖRA BIL	ÅKA KOLLEKTIVT
UPPLEVA KULTUR	SHOPPA
ÄTA	FESTA
MÖTAS	SPORTA
LEKA	UPPLEVA GRÖNSKA
SOLA	BADA
DEMONSTRERA	RIVA
BEVARA	ÖVRIGT

* BESKRIVNING

SUGGESTION LIST

Joel Lökholm

Shoppa

Aterinrätta Avenyn som en shoppinggata. Just nu är gatan väldigt tråkig och det finns

15 days ago

Alicia

Åka kollektivt

Segregationen är ett stort problem i Göteborg och jag tror delvis motverka genom

19 days ago

Alicia Berntsson ...

Uppleva grönska

Det skulle göra Frölunda till en mer attraktiv plats om det fanns en park rakt

19 days ago

Caroline Carledal

Jobba

Riv industrier längs med vattnet där båttransport tjänat ut sin roll. Sanera marken,

October 12, 2022 at

“Our portal MinStad and Bentley’s OpenCities Planner has supported the initiative to improve communication with our citizens and to create an active engagement in the development of Gothenburg. *Eric Jeansson, Geodata Strategist, City Planning Division, Gothenburg City*

EXIT 'AIRPORT AND OPERATIONS'
BACK TO 'SYD LANDING PAGE'



Click the map to add points.

CURRENT POSITION
Coordinates: 151.165, -33.933
EPSG:28356: 330,361, 6,243,747
Elevation: 8.9 m

- MOVE
 - ZOOM
 - TILT & ROTATE
- Switch to touchpad

TOOLBAR X

MEASURE

CURRENT MEASUREMENTS

TOTAL DISTANCE -- 0 m

HEIGHT DIFFERENCE -- 0 m

CLOSED AREA -- 0 m

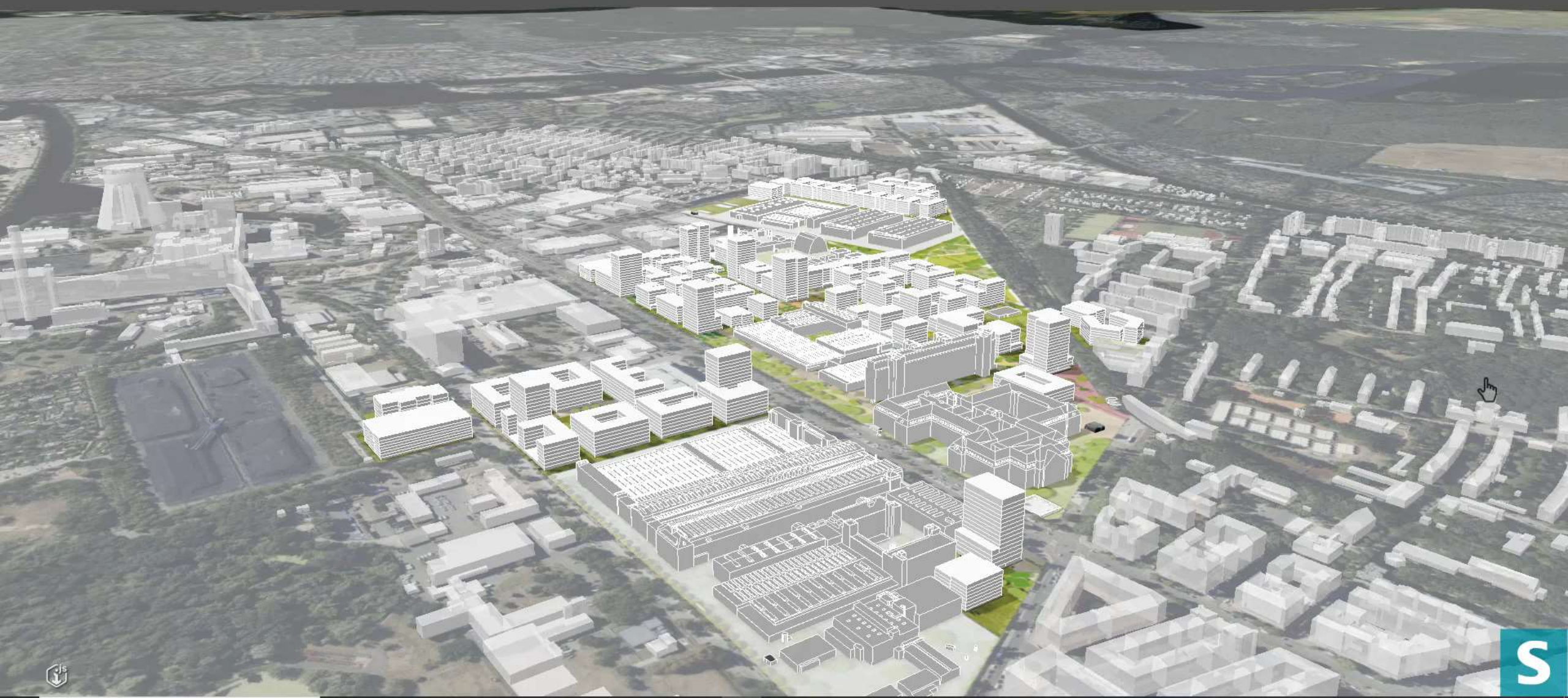
CLEAR NODES METER



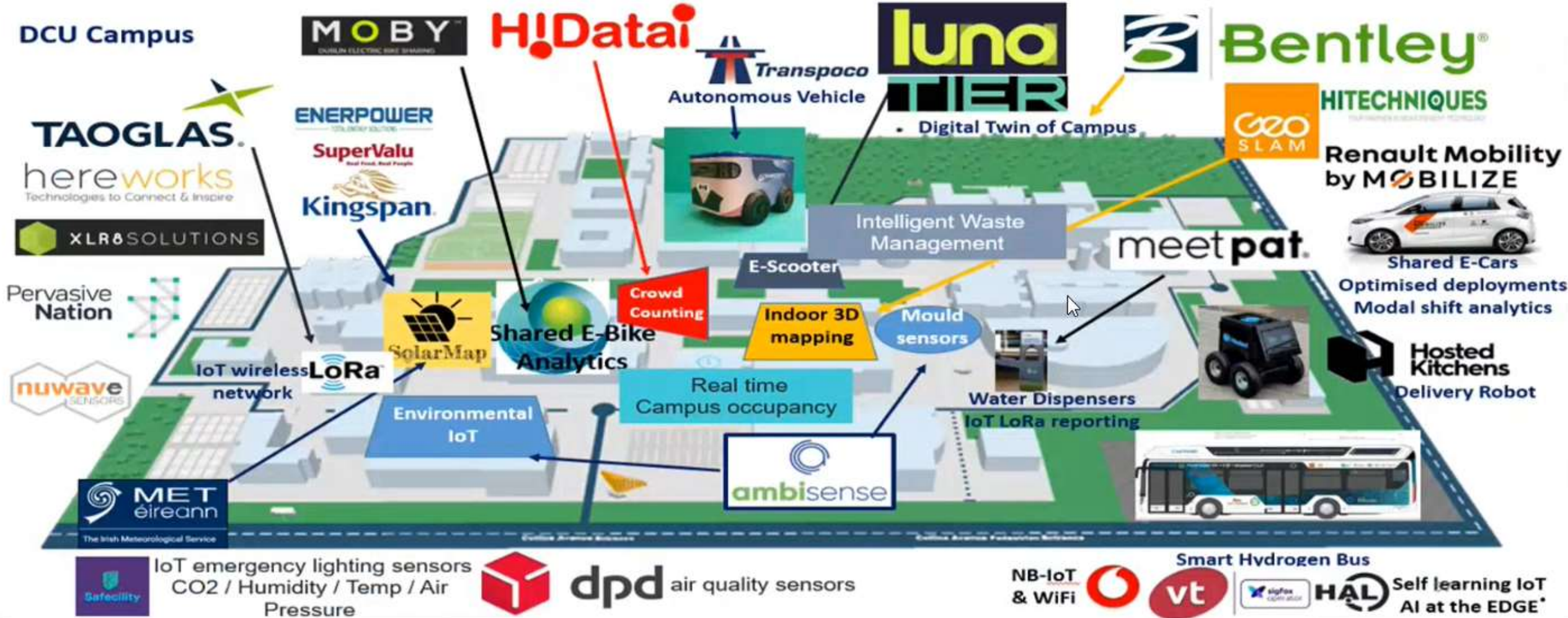
3 Visualization & Analysis

Virtual inspections

3. Visualization & Analysis



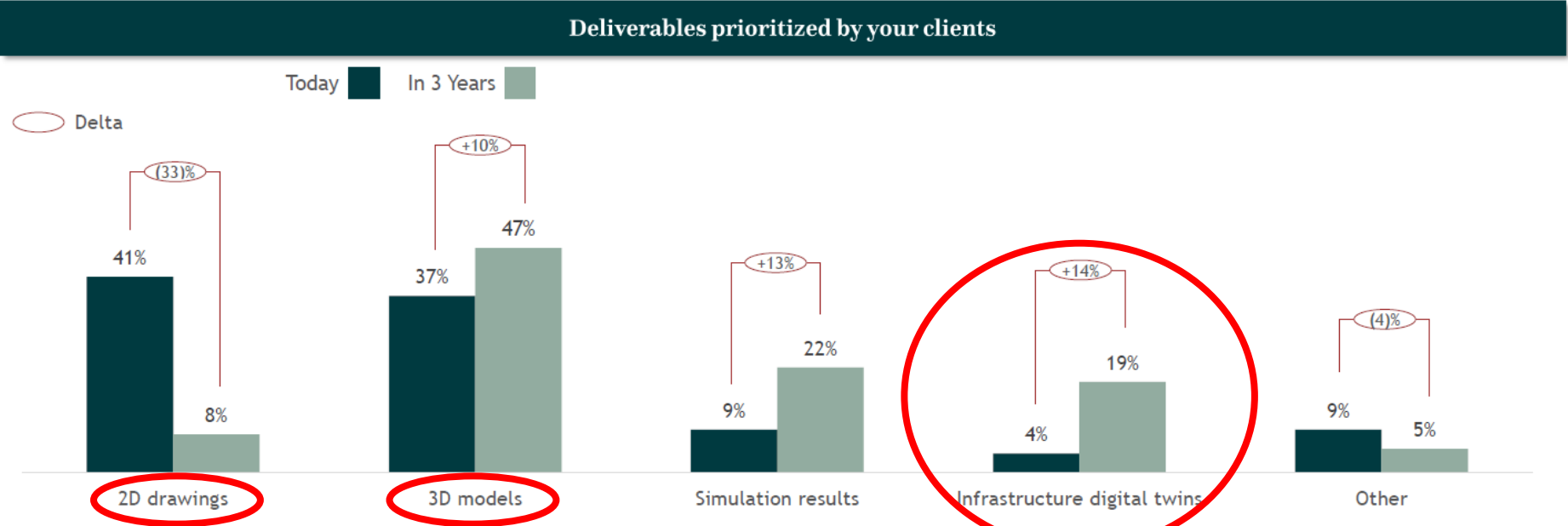
A Microcosm of a Smart City



Shift From Files to 3D Models and Digital Twins

Client Priorities Today and in Three Years

(Based on priority 1 rank)



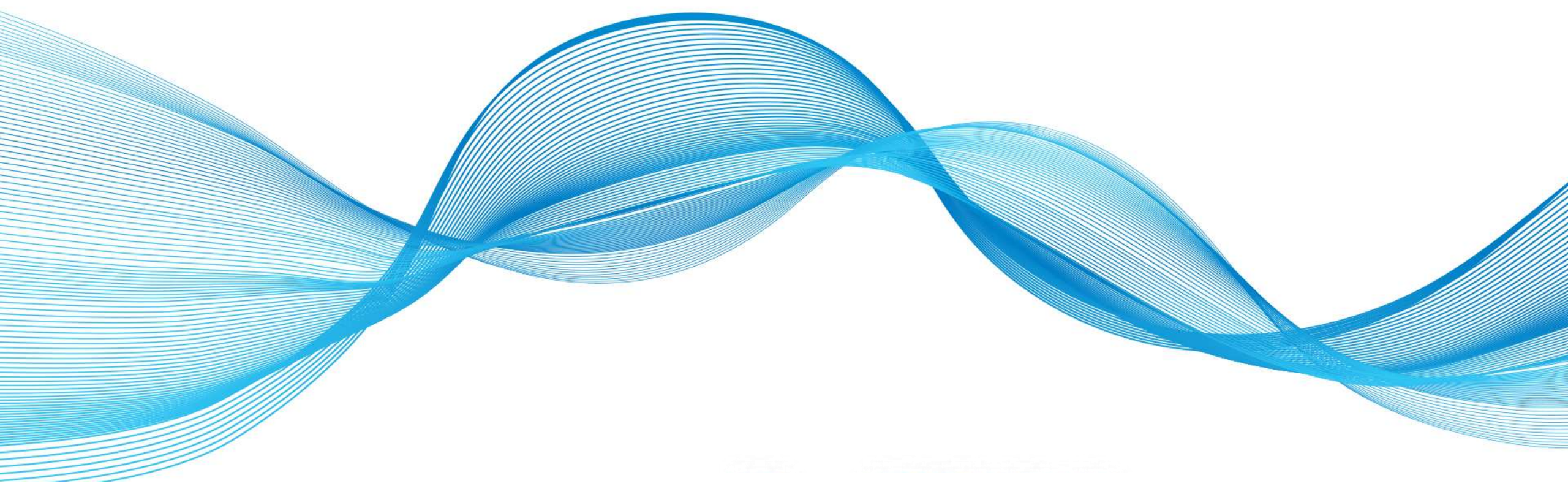
In three years, clients will largely have moved away from 2D drawings in favor of 3D models / simulation / digital twins

- The increase of digital twins allows for internal efficiencies, helping increase responsiveness and reduce costs
- The rise of simulation deliverables, on the other hand, are likely more externally driven, given changing clients needs



AEC Advisors CEO Survey 2022

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