twinzo

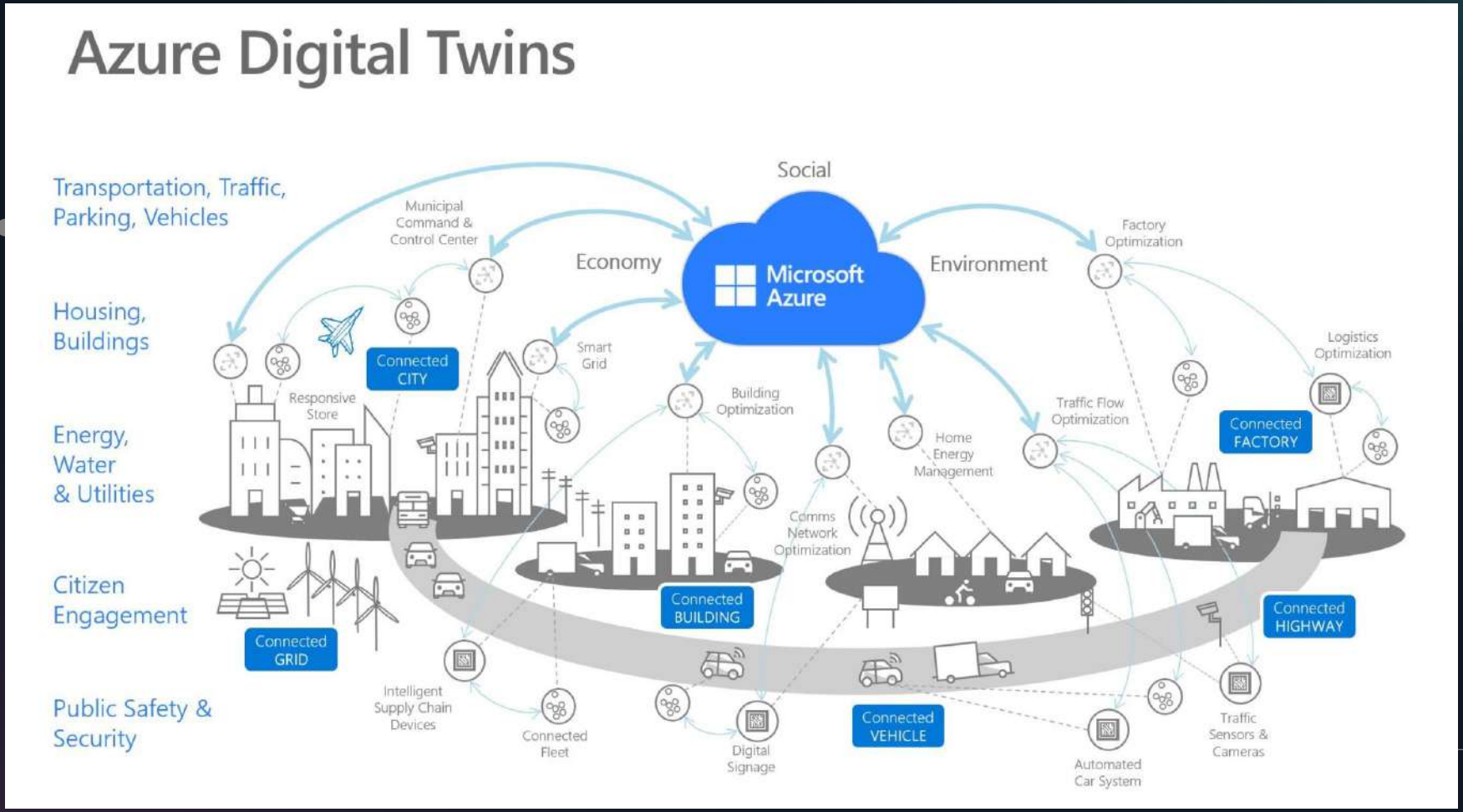
DIGITAL TWINS

AS A NEXT STEP
IN OPERATIONAL EXCELLENCE

DIGITAL TWIN

What a digital twin can be?

The data


Azure Digital Twins
Transportation, Traffic, Parking, Vehicles
Housing, Buildings
Energy, Water & Utilities
Citizen Engagement
Public Safety & Security
Social
Economy
Environment
Microsoft Azure
Municipal Command & Control Center
Factory Optimization
Logistics Optimization
Smart Grid
Connected CITY
Responsive Store
Building Optimization
Traffic Flow Optimization
Home Energy Management
Connected FACTORY
Comms Network Optimization
Connected BUILDING
Connected HIGHWAY
Connected GRID
Intelligent Supply Chain Devices
Connected Fleet
Digital Signage
Connected VEHICLE
Automated Car System
Traffic Sensors & Cameras

BIM – Building Information Management

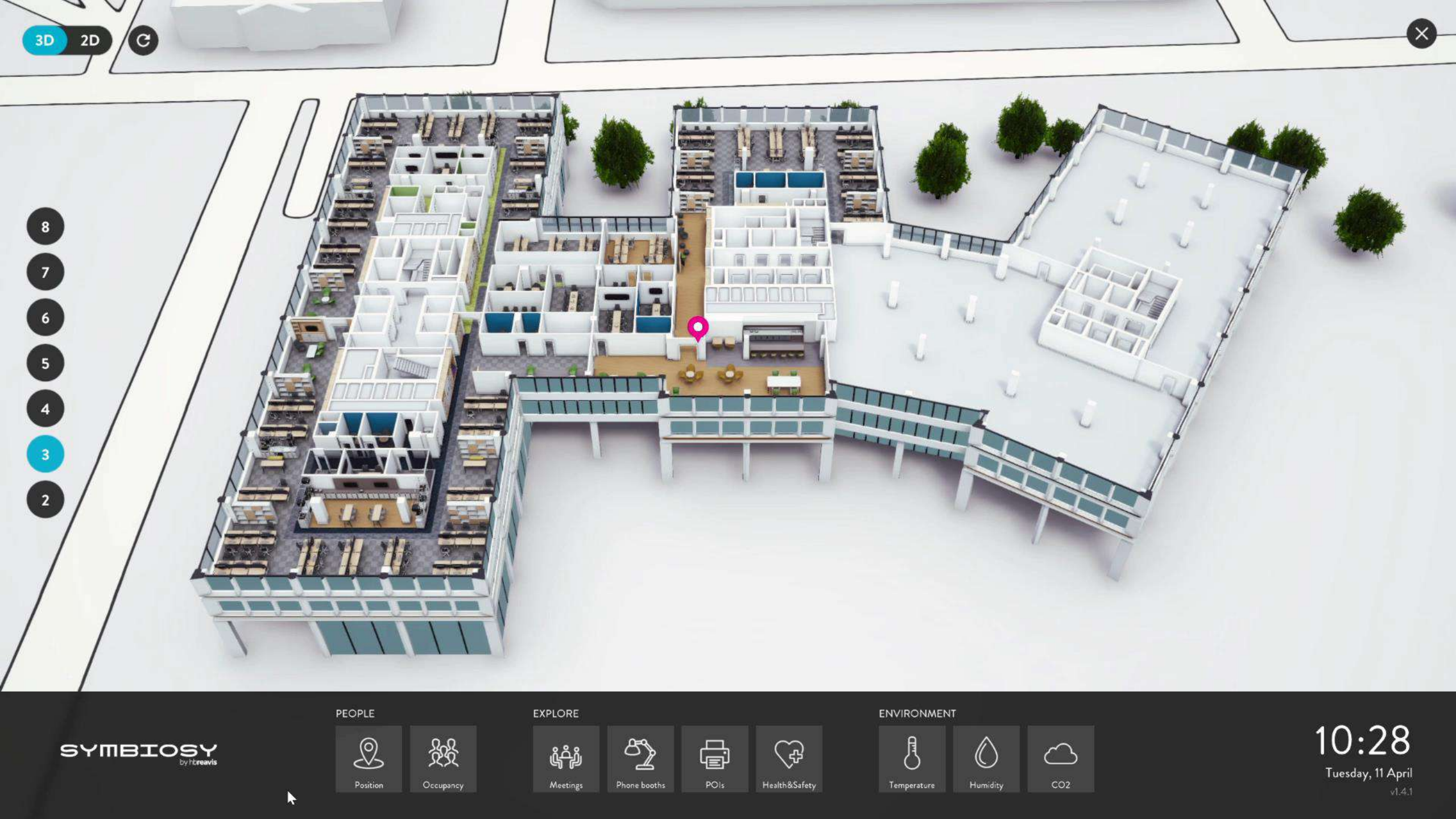
AVANTEK
CT SOLUTIONS

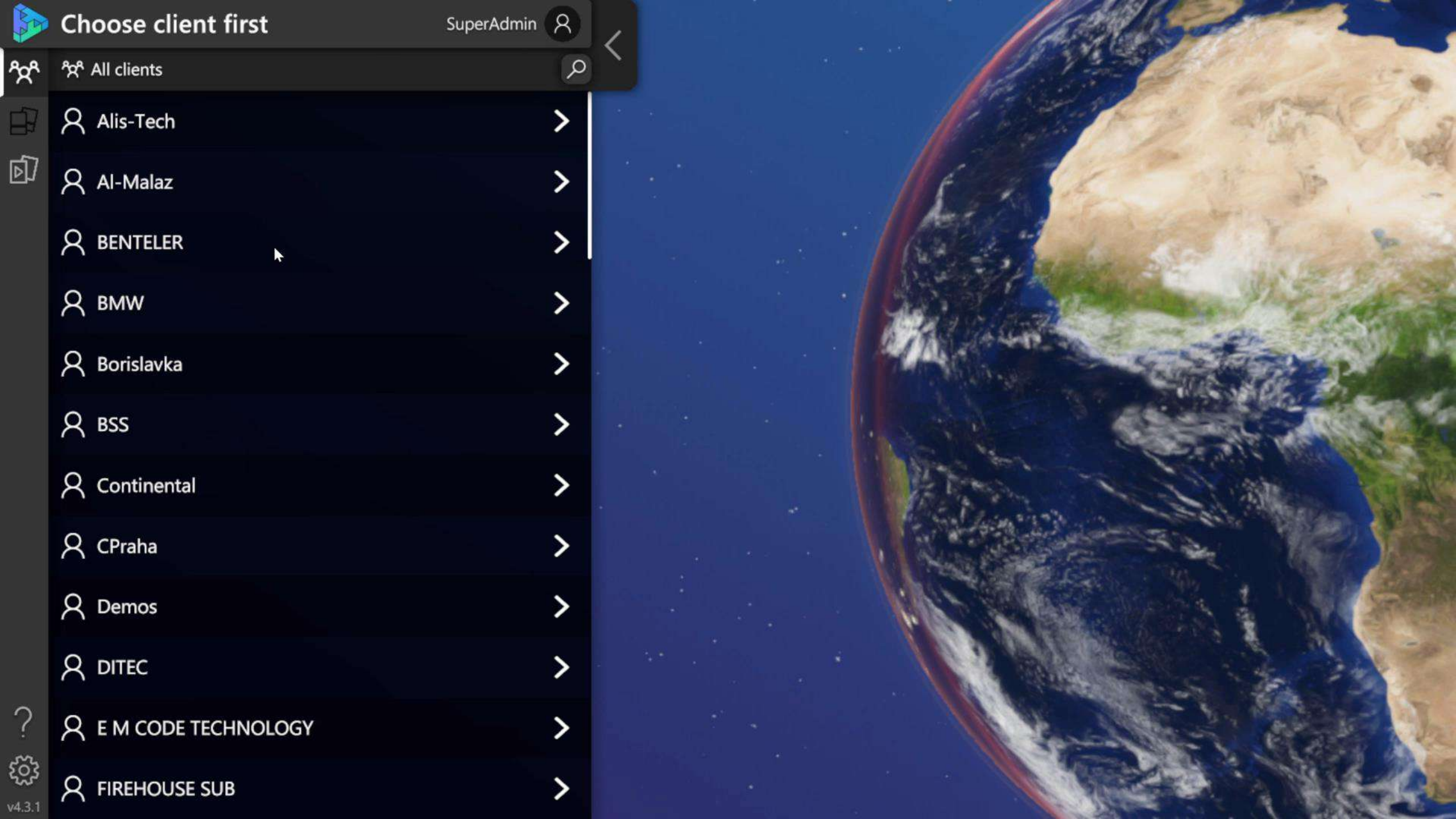
GEO
PARTNER

Yeah, pups. My pups.

TWINZO APPROACH

What if we combine all the stuff under one roof?


3D
2D
8
7
6
5
4
3
2
PEOPLE
Position
Occupancy
EXPLORE
Meetings
Phone booths
POIs
Health&Safety
ENVIRONMENT
Temperature
Humidity
CO2
SYMBIOSY
by hbreavis
10:28
Tuesday, 11 April
v1.4.1


Choose client first
SuperAdmin
All clients
Alis-Tech
Al-Malaz
BENTELER
BMW
Borislavka
BSS
Continental
CPraha
Demos
DITEC
E M CODE TECHNOLOGY
FIREHOUSE SUB
v4.3.1

twinzo 2

Global Digital Twin

In real-time and 3D

MODULES

- **LOGISTICS** for optimization and automatic delivery management
- **WMS** for real-time update and overview
- **PRODUCTION** for every assembly line and every system for quick decision making
- **HEALTH & SAFETY** for threat recognition and emergency response
- **QUALITY** for reduction of error rate at minimal costs
- **MAINTENANCE** for facility management, effective & timely response and employee's wellbeing
- **REPORTING**
- **IOT** for connectivity and all Internet of Things connected devices
- **RTLS** for positioning (people, material, equipment) and navigation for external suppliers
- **3rd PARTY INTEGRATION** e.g., MES / WMS / SAP / ERP / PLC / HSE

Approach & Vision

1

Connecting ALL Data

First, we connect all existing data sources.

e.g., MES, ERP, SAP, PLC, WMS, etc.

If a source isn't available but would be of value, we provide it.

(e.g., Plastic Omniums twinzo has 38 Internal Systems with 208 Critical KPIs connected to it.)

2

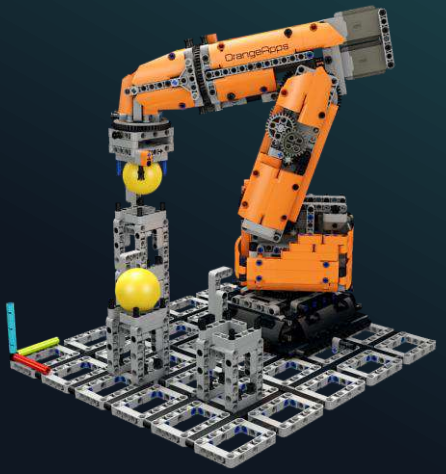
Global Digital Twin

We sort, unify and visualize all systems under one roof and your Global Digital Twin is ready.

All of this happens without you noticing or having to adjust or shut down anything.

Cross-departmental analytics is one of the first benefits.

3



Vision - M.A.C.E.P.

Manage **A**nalyze **C**ompare **E**valuate **P**redict

Everything under one roof (Data Lake), gives you the perfect overview and enables to deliver the information in context.

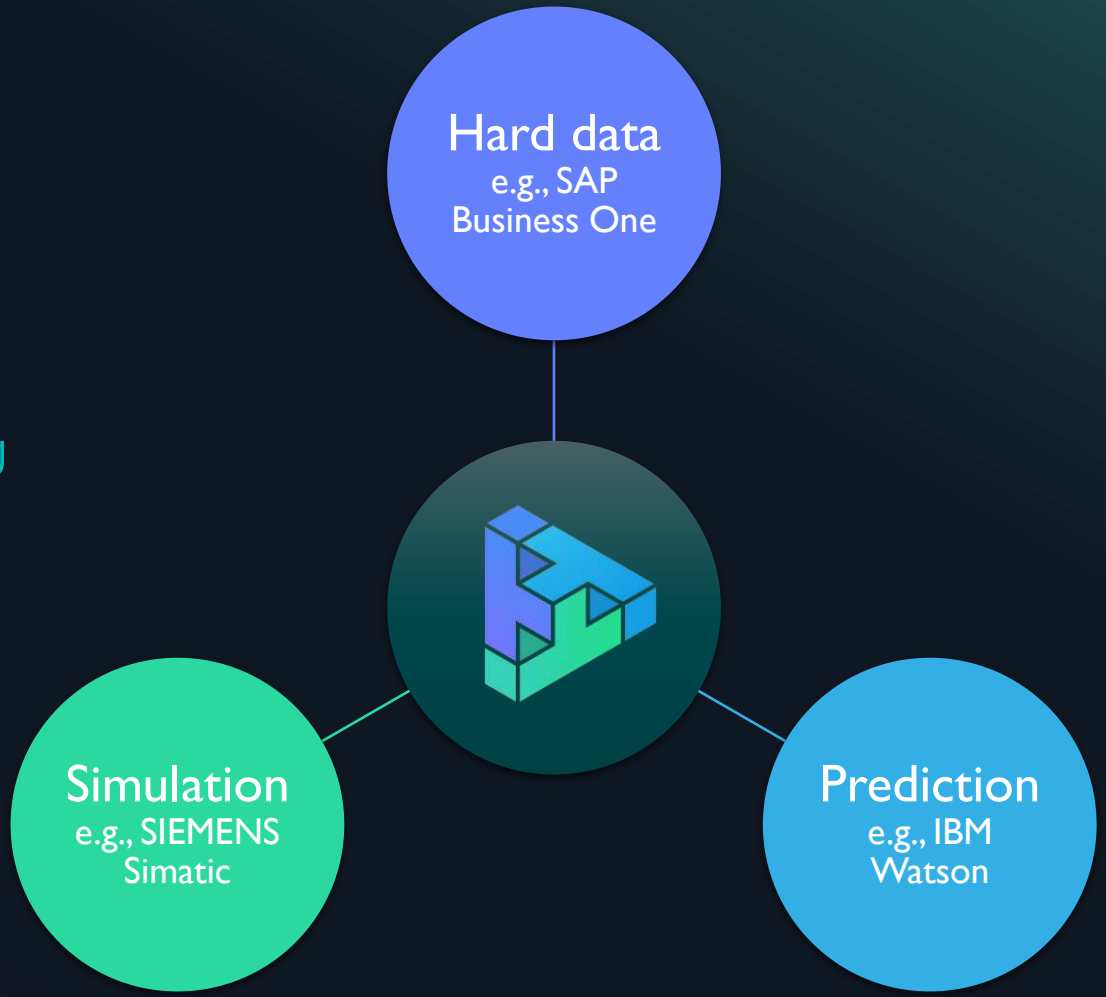
Smart notifications on your phone are only one of the ways.

twinzo 3

M.A.C.E.P.
Future Vision

TWINZO IS DATA SOURCE AGNOSTIC, WHICH GIVES YOU ENDLESS POSSIBILITIES

Manage your facility directly from your phone
Analyze data in real-time and 3D
Compare simulations with hard data and vice versa
Evaluate predictions and simulations
Predict in contextual meaning



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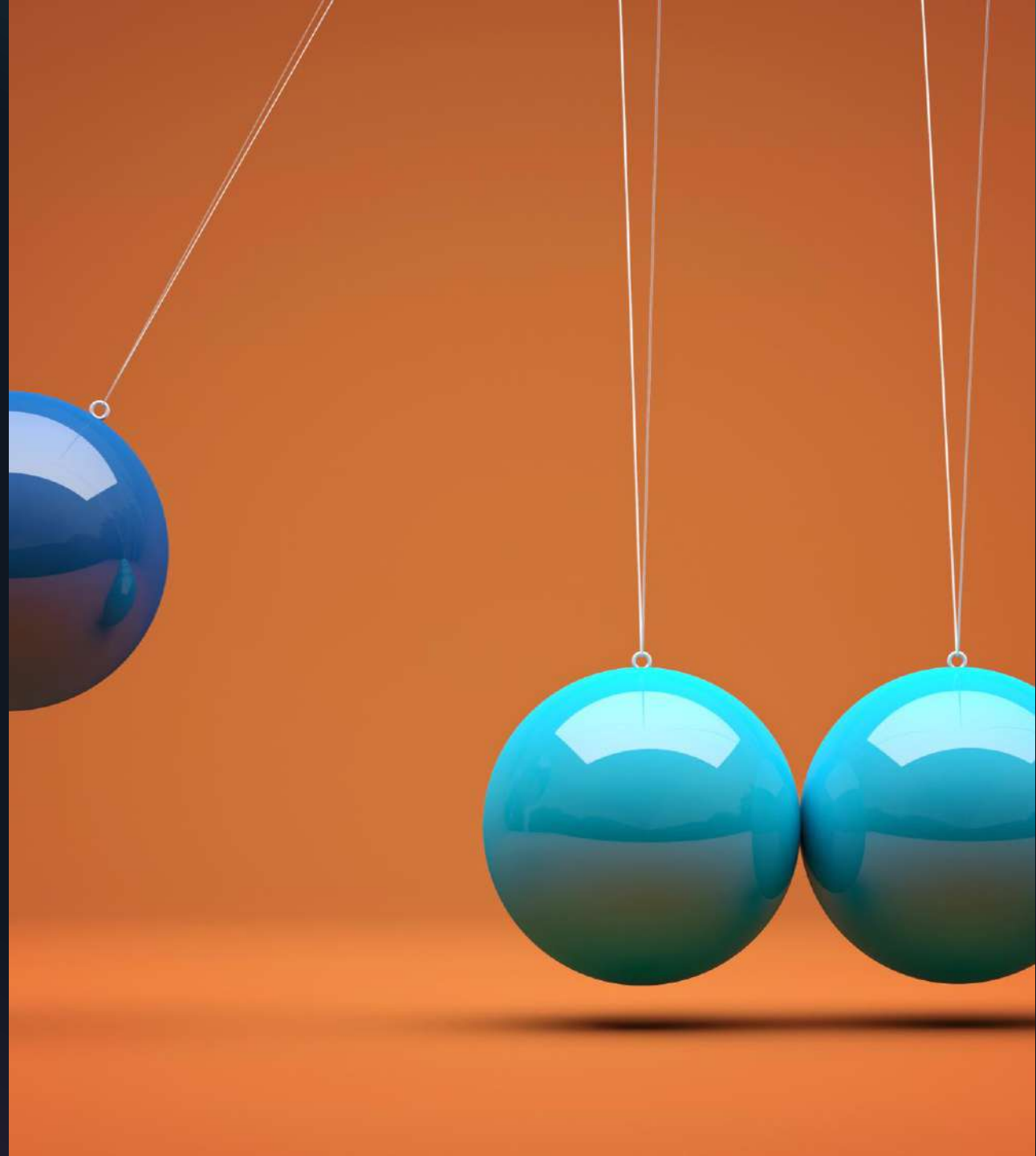
Thank you

info@twinzo.eu

https://twinzo.eu/