

From Data to Decisions

How Connected Digital Twins Create Intelligent Businesses



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Digital Twins do not need to be scary

Businesses are rarely short of technology. They are short of connection.
The challenge is not capability, it is accessibility.

The question shouldn't be – “What new technology do we need?”

A.I. & Agents

IoT

Real-time Data

BIM

Data platforms

Automation

Sensors

Enterprise Systems

It should be – “How do we get more value from what we already have?”

Siloed Platforms and Systems →

Unified Access

Disconnected Data Sources →

Universal Data

Manual Processes and Workflows →

Process Automation

Limited Accessibility and Visibility →

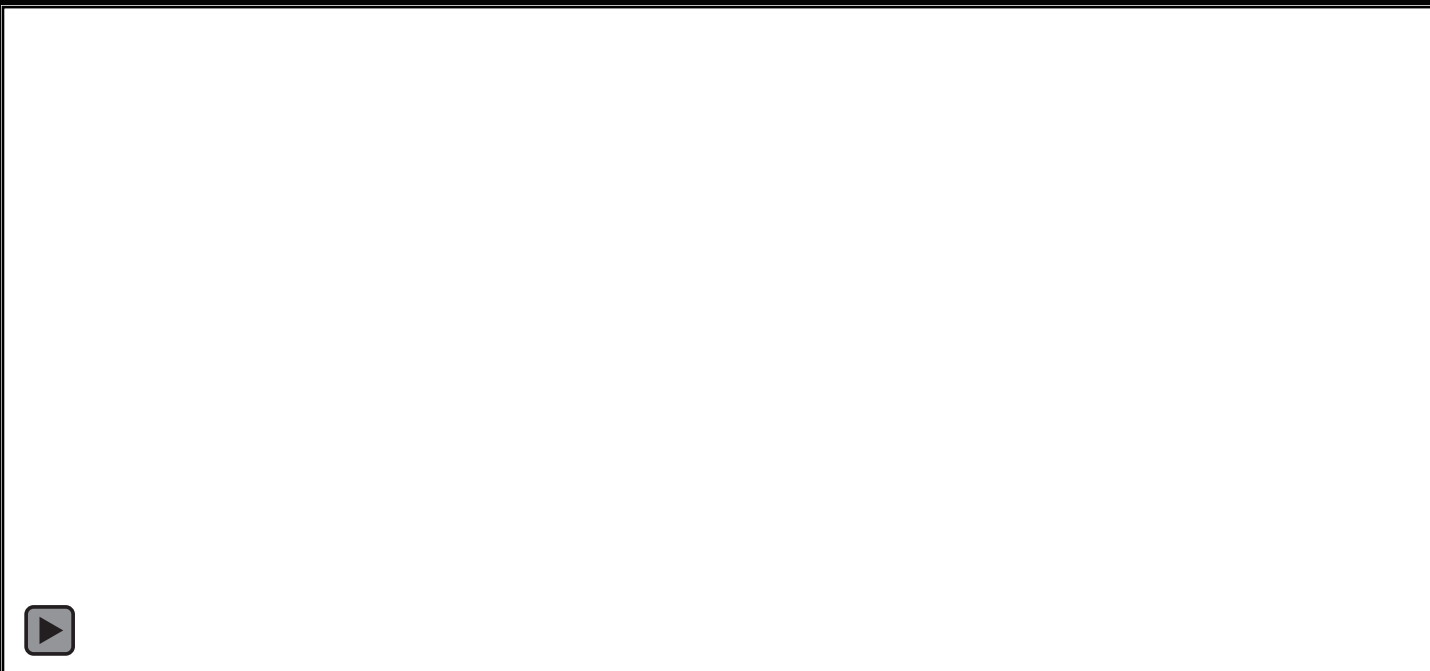
Full Transparency

WHERE T2 STARTED



It began with a simple customer problem

We build a trusted digital representation of the physical environment. This helps clients see and understand spaces, buildings and facilities without always being there.



RETAIL ESTATES

Distributed locations

BUILDINGS & FACILITIES

Complex assets

REMOTE UNDERSTANDING

See without travel

PROOF: RETAIL



One platform. **Infinite capabilities.**

All the data at your fingertips. Global access to assets. Faster estate roll-outs. One single place to manage it all. We help organisations make the best decisions before they are required.



52,000,000 sqft ACTIVELY MANAGED

Across enterprise retail estates

THOUSANDS OF PORTAL USERS

Accessing reality captures across the globe

SITE VISITS AVOIDED

Across the retail sector



What else can we do with it?

The 3D model is not the end product. It is the beginning.

DRAWINGS

ASSETS

MAINTENANCE

ENERGY

OCCUPANCY

BUILDING SYSTEMS

IoT

ENTERPRISE PLATFORMS

VISUALISATION → INFORMATION → OPERATIONAL VALUE

See → Understand → Connect → Act

The technology earns its place by solving an operational problem.

SEE

What is here?

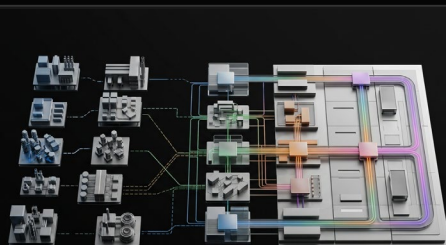
Reality captured at scale, at pace.
Establish your ground truth with reality.



UNDERSTAND

Why is it here?

Contextualise your data. Intersystems
IRIS. Unlock the Power of your Data.



CONNECT

What does the organisation know?

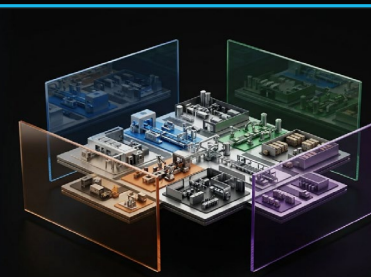
T2 OS Universal Data Layer.



ACT

What should happen next?

One Platform. Infinite Possibilities.



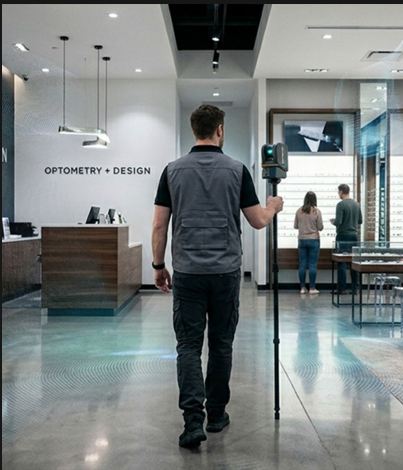
WHERE THIS APPLIES

The same problem, in multiple languages

Physical environments, disconnected information, and decisions that need both. Controlled access, data residency and traceability built in.

RETAIL

Stores and estates



CONSTRUCTION

Design and delivery



MANUFACTURING

Plant and production



DEFENCE (MOD)

Secure estates



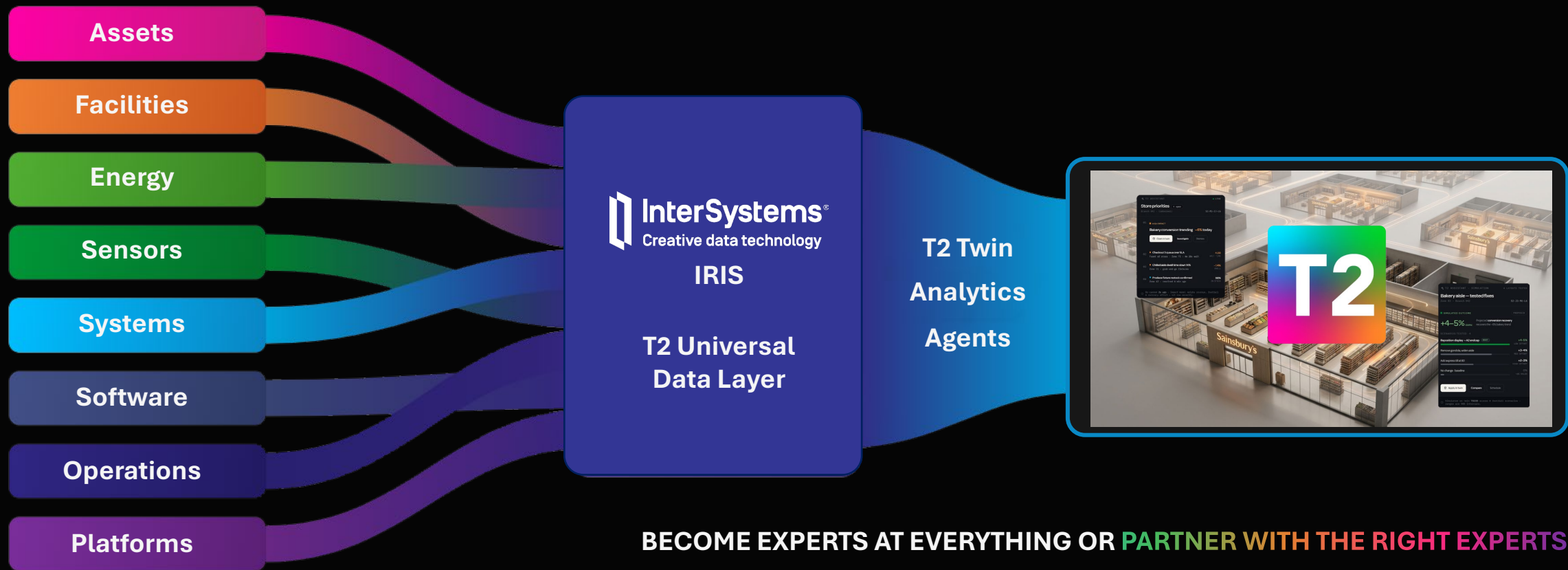
HEALTHCARE

Clinical environments



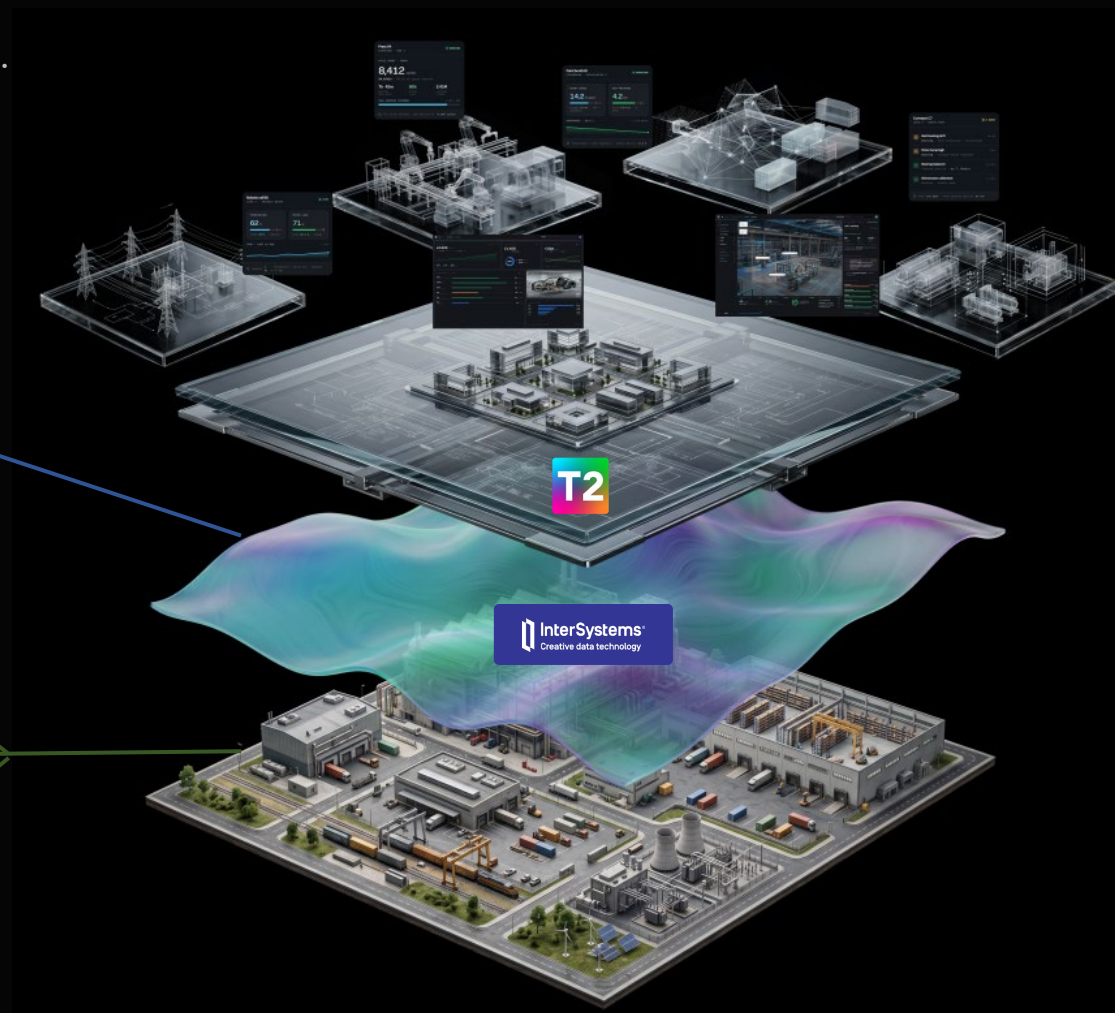
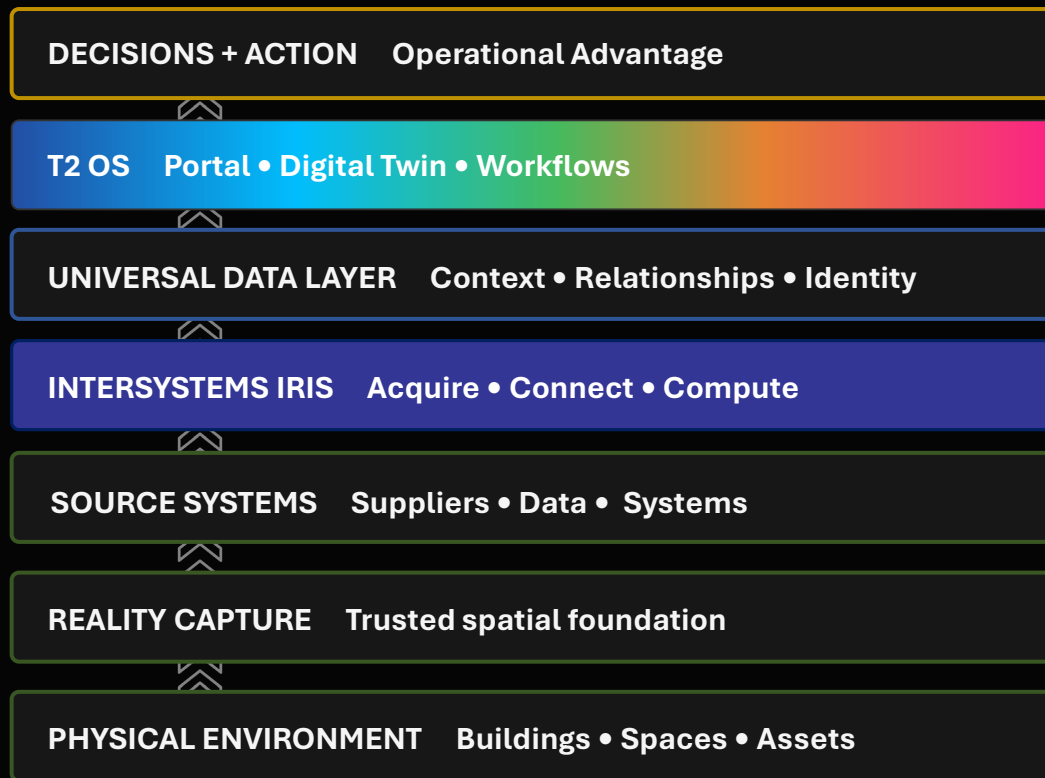
The information exists. It is just everywhere.

Different owners, suppliers, structures and ways of communicating.



Bringing the physical world and the data world together

Make existing systems and information more useful, rather than replacing them.





The questions become progressively more valuable

See what is happening. Understand why. Anticipate what is next. Decide what to do.

WHAT IS HAPPENING?

Visualisation based on:

- Ground truth reality
- Your assets & data sources

WHY IS IT HAPPENING?

Connected context based on:

- Intersystems IRIS
- Shared understanding

WHAT HAPPENS NEXT?

Predictive simulation based on:

- A.I. agentic workflows
- T2 OS Universal Data

WHAT SHOULD WE DO?

Decisive action based on:

- Trusted, verified information
- Universal access

Visualisation

Connection

Prediction

Decision



A first step, not a programme

You do not need the perfect twin on day one. One problem. One site. Existing systems.

1 SEE THE SPACE

Energy, maintenance, space or travel

Identify one challenge

2 CONNECT THE DATA

Capture and connect your existing data to your assets

No rip and replace

3 PROVE THE VALUE

Contextualise, measure, simulate, test and prove the success

One decision made better

4 EXPAND AND SCALE

Expand based on evidence across assets, teams and systems

Scale where it pays

Capture Now

Understand Today

Explore Tomorrow

Act with Confidence



From connected data to operational understanding

Capture Now

1 SEE THE SPACE

One asset becomes an access point to see and understand the space

Identify one challenge

2 CONNECT THE DATA

3 PROVE THE VALUE

4 EXPAND AND SCALE





From connected data to operational understanding

Understand Today

1 SEE THE SPACE

2 CONNECT THE DATA

Connect your data, information and relationships to your assets and access through the twin

No rip and replace

3 PROVE THE VALUE

4 EXPAND AND SCALE





From connected data to operational understanding

Explore Tomorrow

1 SEE THE SPACE

2 CONNECT THE DATA

3 PROVE THE VALUE

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and prove the success

One decision made better

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From connected data to operational understanding

Act with Confidence

1 SEE THE SPACE

2 CONNECT THE DATA

3 PROVE THE VALUE

4 EXPAND AND SCALE

Expand based on evidence across
assets, teams and systems

Scale where it pays



Understand the Environment. Connect the Data. You Decide What Happens Next.



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PHYSICAL WORLD → INTERSYSTEMS IRIS → T2 OS → ADVANTAGE

THAT IS HOW CONNECTED DIGITAL TWINS CREATE INTELLIGENT BUSINESSES.