

Digital twins – pretty graphics or drivers of transformation?

06/06/2019

Digital twins – pretty graphics or drivers of transformation?



Phil Laidler
Partner



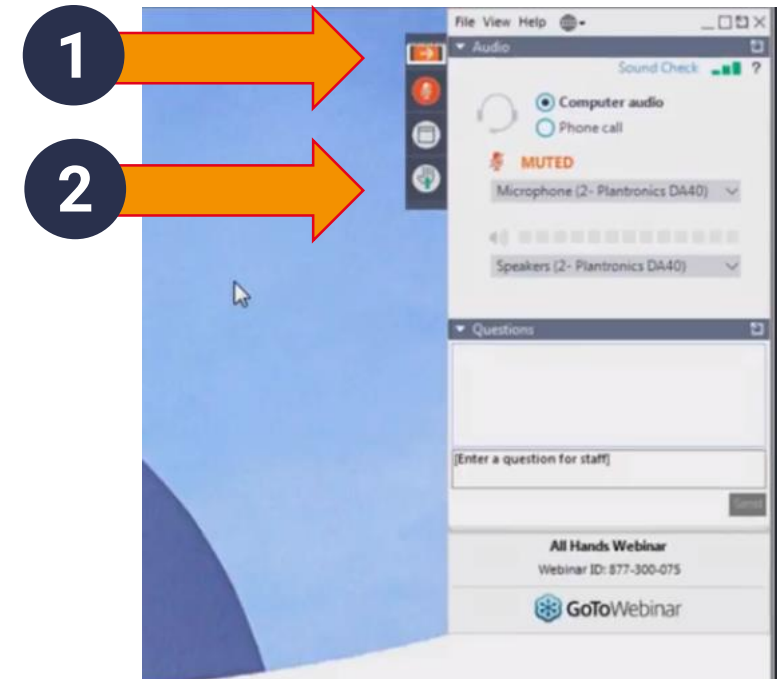
Darius Singh
Consultant



Paul Green
Director & CSO at Iotic Labs

GoToWebinar

- You're in listen-only mode
- If you need us, please type a comment
- Feel free to type questions throughout the session for Q&A at the end
- We'll send you a recording and materials within three days
- Tweet us @STLPartners #STLthinks



An overview of digital twins

Darius Singh

Consultant

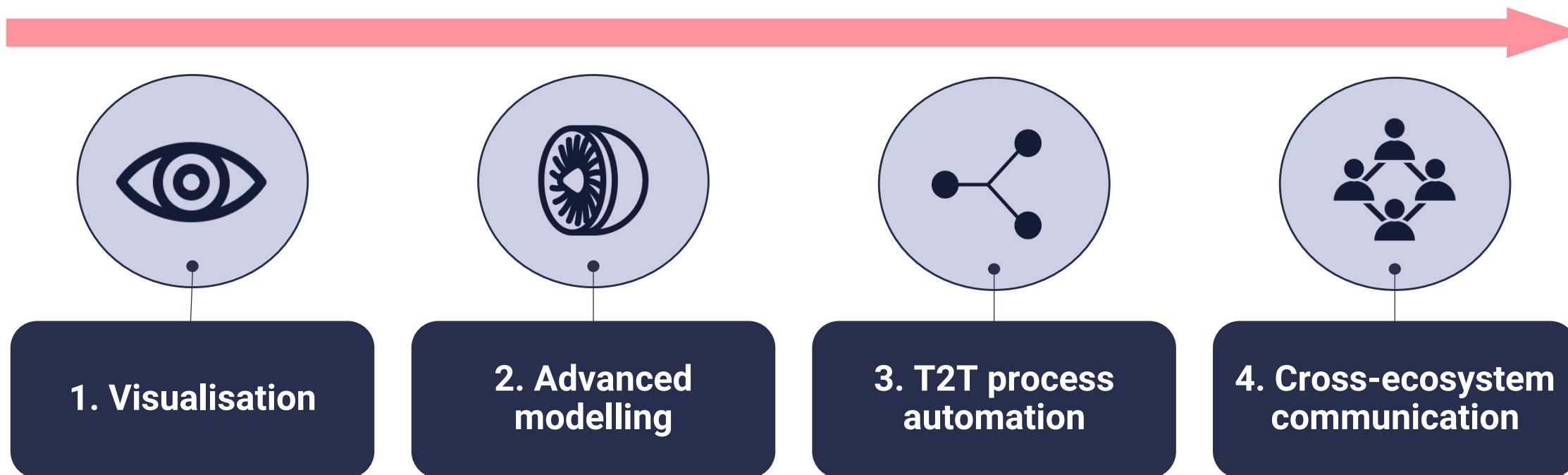
Vote: what does a digital twin mean to you?

1. Better visualisation of your data/assets (e.g. VR/3D models)
2. Complex analytical models – simulation/emulation/AI tools
3. A virtual source of data/information on an asset
4. Better data sharing and visibility across parties
5. A step towards digital transformation

What is a digital twin?

A digital twin is a virtual representation of an asset, providing both an historical ledger of the asset's previous states, and real-time data on the asset's current state

The generic evolution of digital twins



*Moving further up the continuum drives digital transformation -
increasing data centricity*

Why digital twins?

Digital twins is not a new technology – it's a philosophy of data centricity

1. Visualisation

2. Advanced
modelling

3. T2T process
automation

4. Cross-ecosystem
communication

Driving the progress and enabling the value of IoT and AI

Cutting costs and increasing operational
efficiency

Customer Experience Management (CXM)

New services, revenues and business models
(EaaS)

What's the opportunity for telcos?

The opportunity in digital twins is two-fold

Leverage digital twins internally

Create a fertile test environment

Increasing data visibility and access

Improving network operations

Act as an enabler for digital twins

Enable other verticals

Move further up the value chain

Distributed compute

Driving virtualisation and the move to 5G?

Real-world digital twins use cases

Paul Green

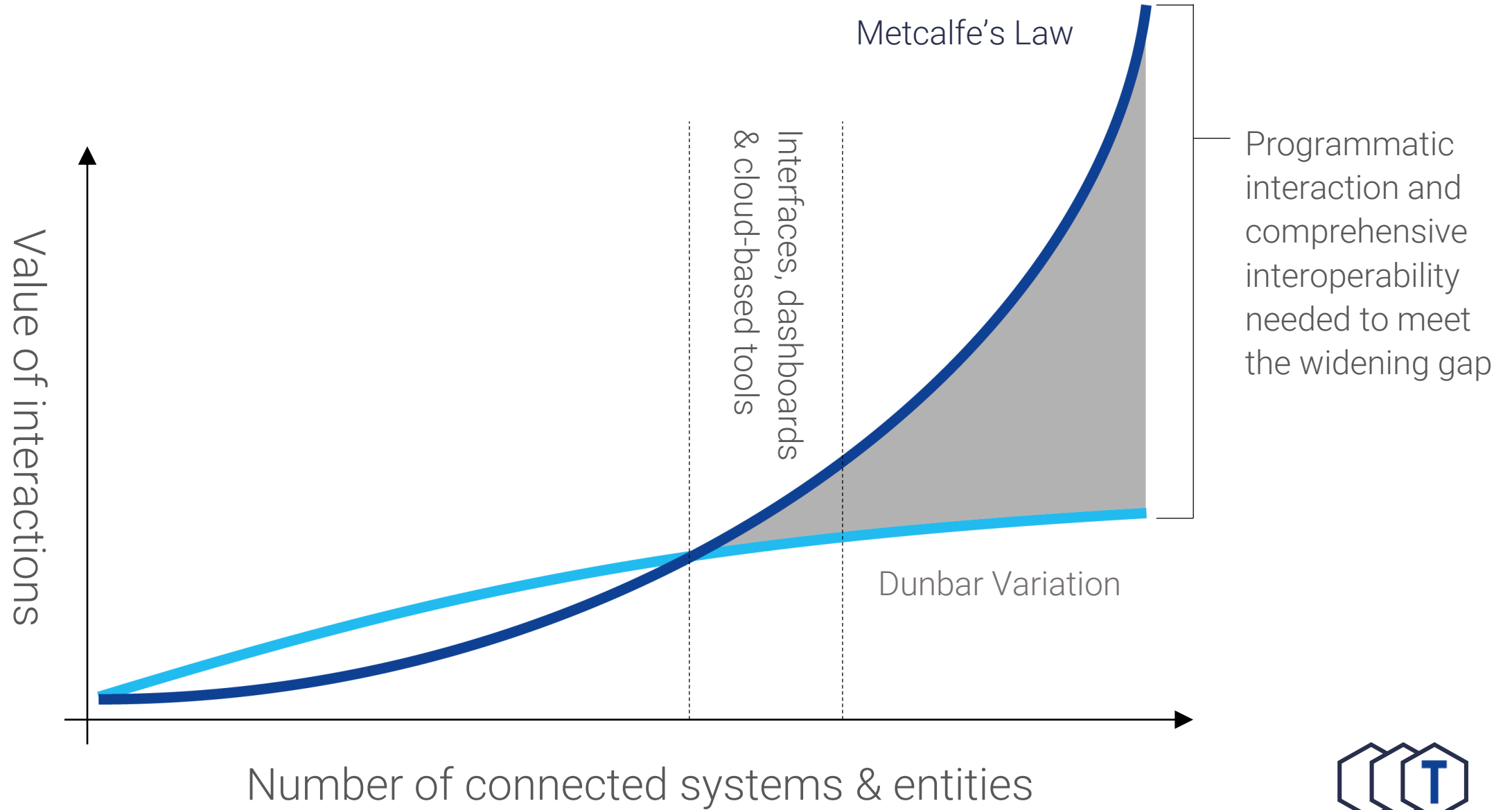
Director and CSO at Iotic Labs

Digital Twin

WEBINAR DISCUSSION MATERIAL



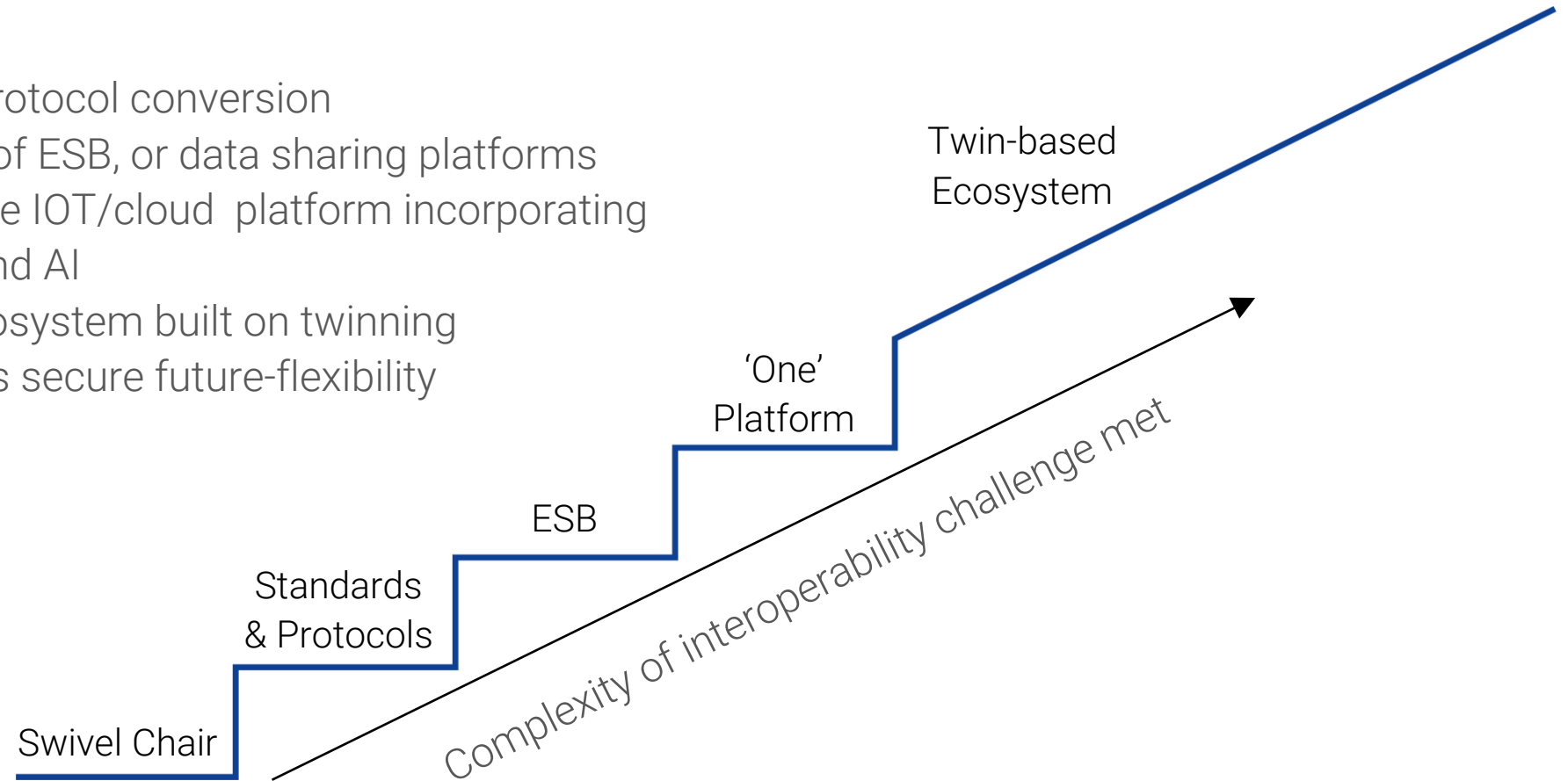
The Unaddressed Future



Delivering interoperability

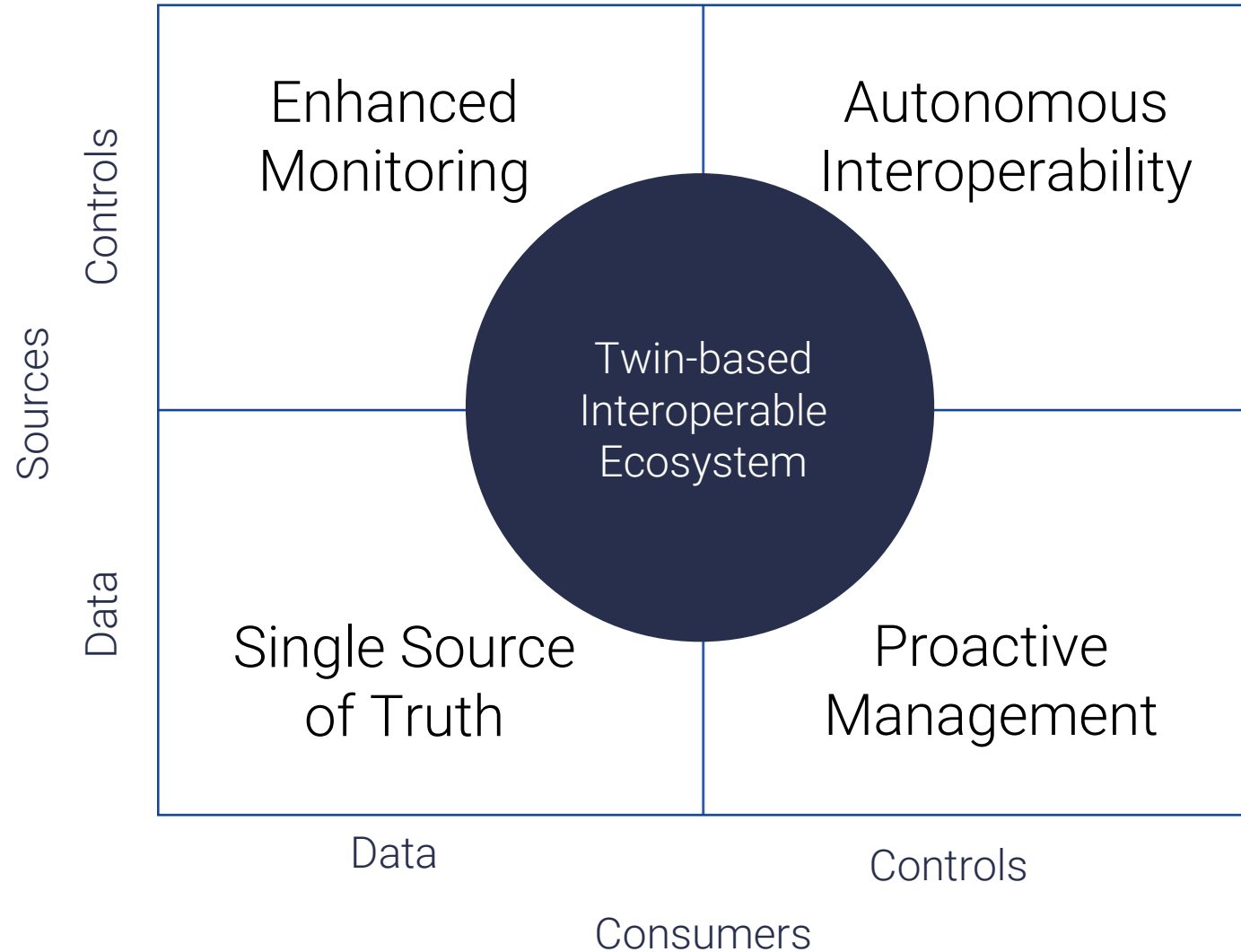
Approaches taken

- 'Swivel chair'
- Standards and protocol conversion
- Implementation of ESB, or data sharing platforms
- Adoption of single IOT/cloud platform incorporating API, Data Lake and AI
- Interoperable ecosystem built on twinning technology offers secure future-flexibility



Comprehensive Interoperability

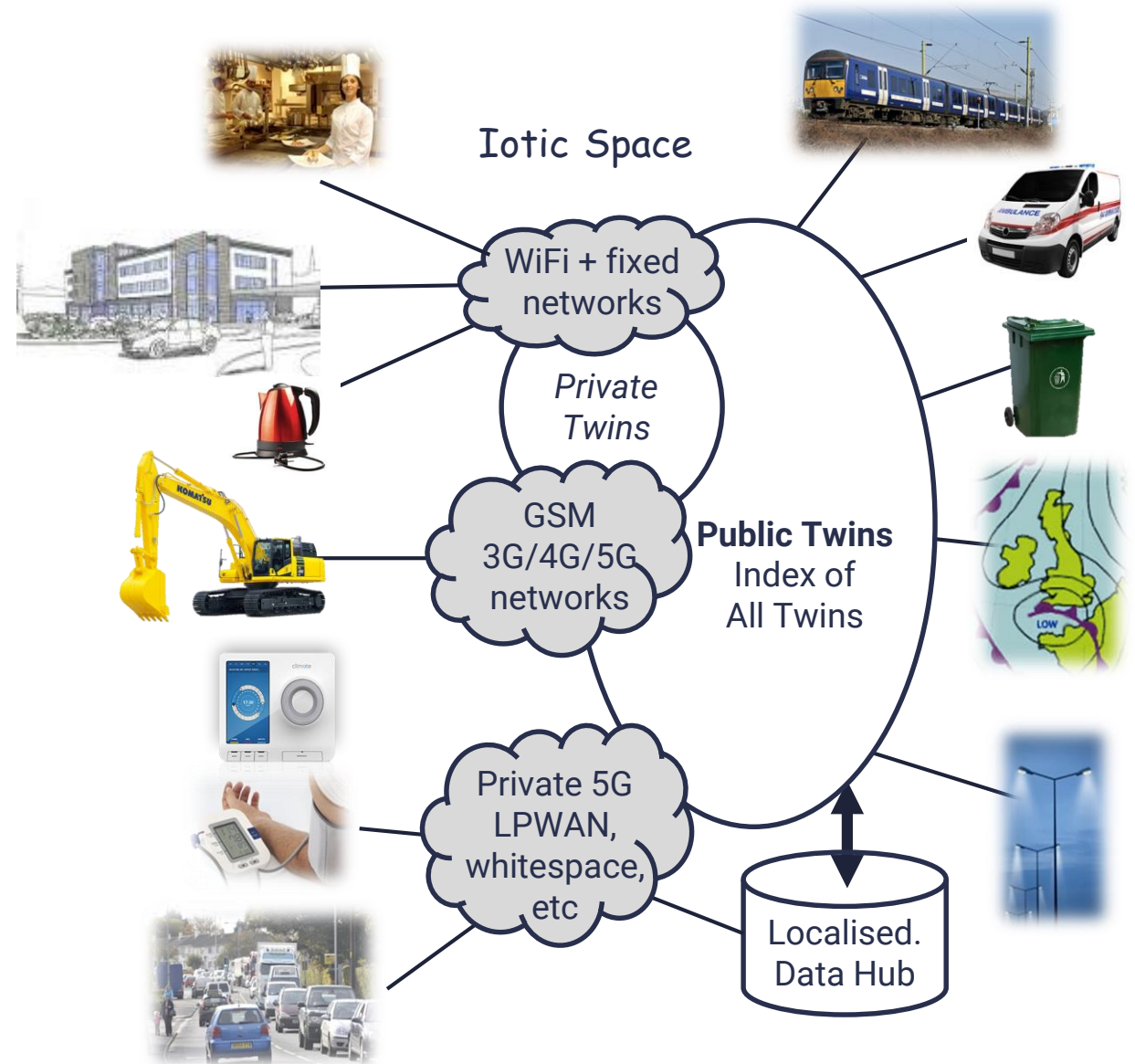
across heterogeneous networks requires services for both managing data and exercising controls.



Interoperability needs to include both data and controls

The autonomous future requires more than just data integration

- Process automation is moving from manual intervention to full autonomy.
- Advent of 5G will enable real time interactions across the wide area network.
- Actionable insight needs to be actioned in a timely relevant manner in the agile world

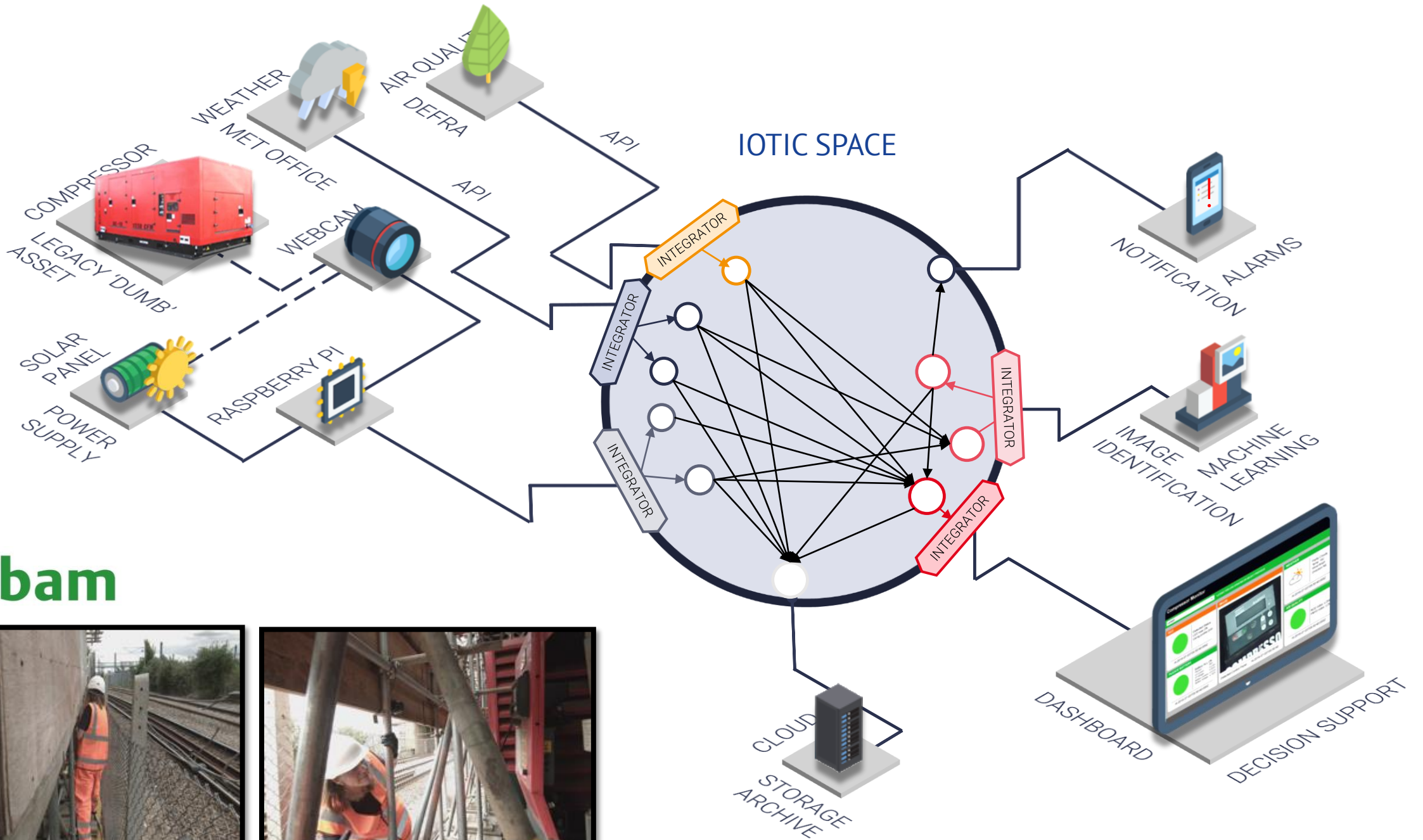




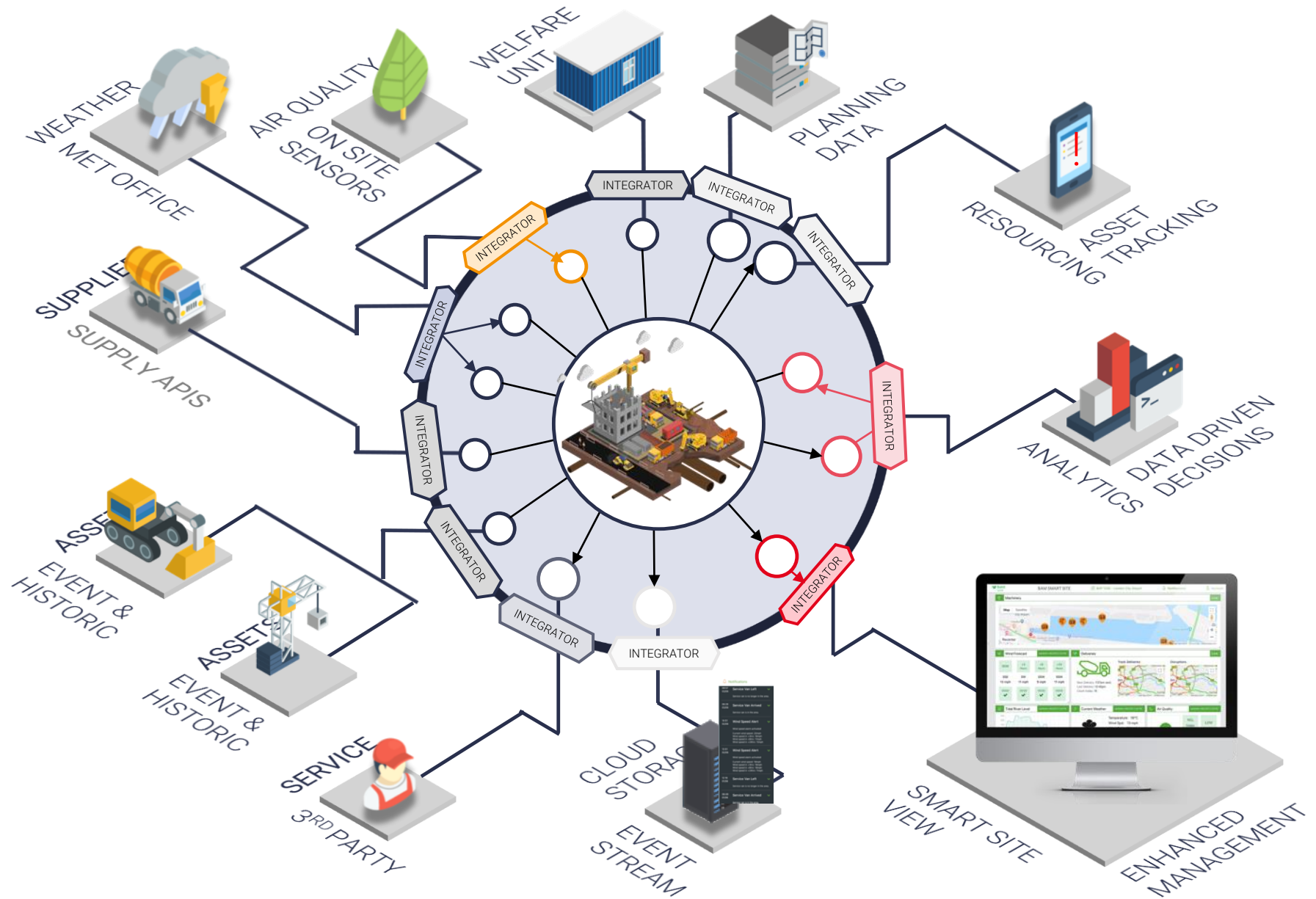
The Learning Camera

VIDEO









Questions or comments?

contact@stlpartners.com
[@STLPartners](#)