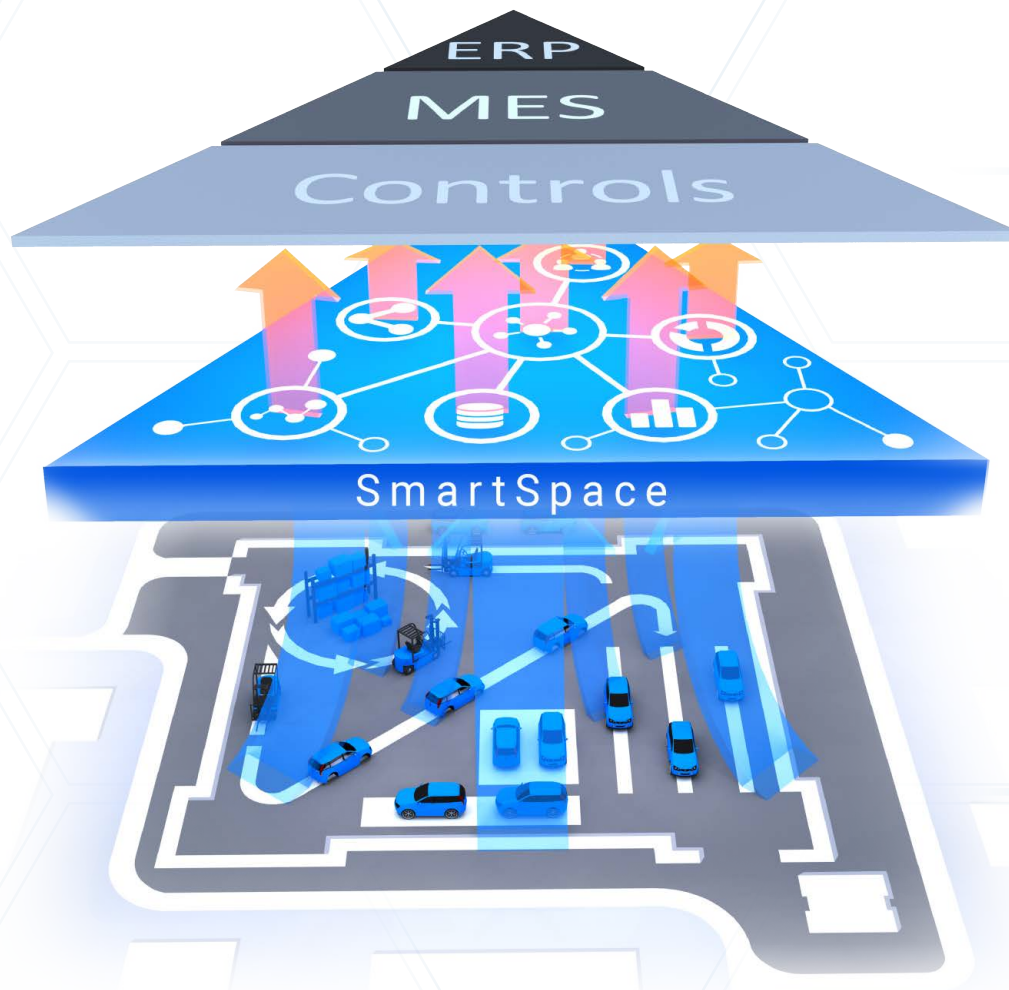




SmartSpace

SmartSpace closes the data-gap



BUSINESS SYSTEMS

Industry 4.0 technology is a foundation for implementing a digital manufacturing strategy.

SMARTSPACE PLATFORM

SmartSpace closes a **fundamental data-gap** between production systems and real-world physical activities. It makes the complex processes of the physical world visible and controllable.

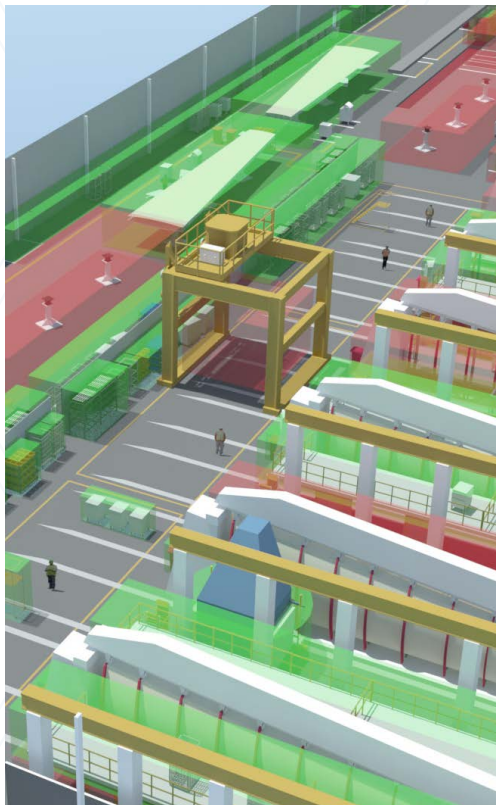
REAL-WORLD PROCESSES

In manufacturing or MRO, **60% to 80% of interesting process** is driven by objects that are moving and interacting, yet are not visible or measurable to existing business systems.

SmartSpace is the Digital Twin of your processes

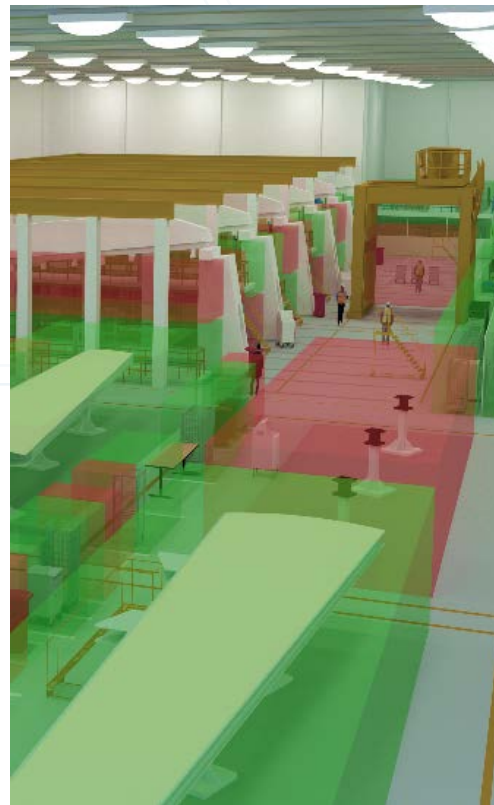
SmartSpace brings visibility of the physical world to planning, management and control systems, making real-world processes involving moving assets visible, measurable and controllable.

UNIFIES SENSOR DATA



from any source to create the location-context that drives your process Digital Twin.

ENTERPRISE- SCALABLE



to support an application-centric approach to executing your digitisation roadmap

OPEN PLATFORM



that makes it easy to build multiple location-aware applications using a range of sensing technologies

INDUSTRIALLY- PROVEN



and battle-hardened through 15 years of mission-critical use in the harshest environments

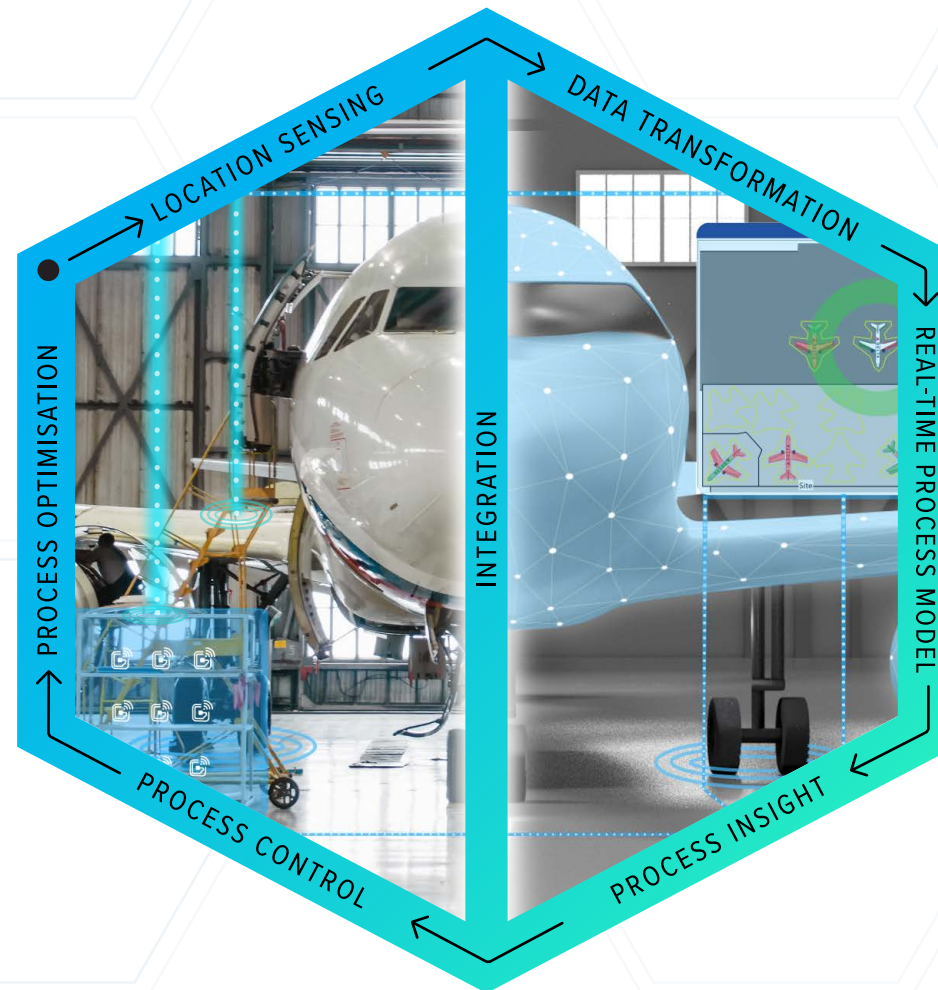
Optimising processes with SmartSpace

1. SENSING THE PHYSICAL WORLD

by using location and identification technologies to physically measure the position and state of real-world objects flowing through the factory.

4. OPTIMISING PROCESS

by delivering SmartSpace process insights to people, business systems or directly to devices being used on the shop floor.



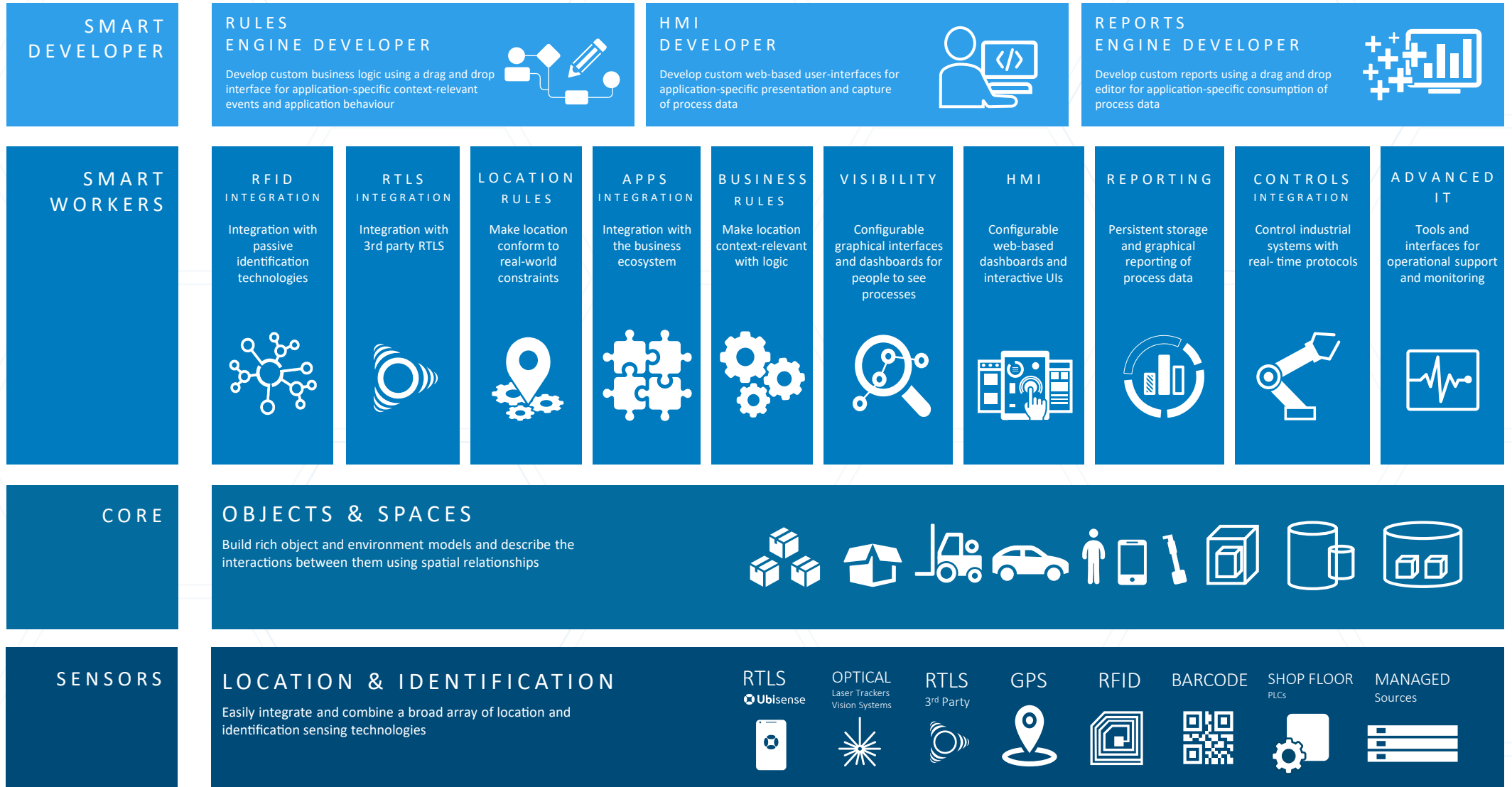
2. TRANSFORMING SENSOR DATA

by using spatial monitoring to turn the unstructured movements of objects into a handful of structured events that represent key moments in the flow of the process.

3. IDENTIFYING EXCEPTIONS

by using business rules to model the expected process and convert these structured events into context-specific process insights.

An open, flexible and modular platform



Building SmartSpace applications

The SmartSpace Platform has been built for fast and efficient development of new location-aware applications, allowing anyone configuring SmartSpace to quickly prototype ideas, implement designs and deploy new solutions.



SmartSpace across the value chain



CORE CHALLENGES		SCHEDULING	WASTE	SEQUENCING	FLEXIBILITY	PRODUCTIVITY	WASTE	EFFICIENCY
		Searching for containers and getting them to the right place at the right time can result in delays to complex, sequenced processes.	Finding parts and orders, kitting processes, forklifts and unnecessary movement waste.	Complex product assembly requires constant replenishment of parts, kits and subassemblies. Delays and errors result in lost time and rework.	High complexity and high variation in product creates stressed processes. People need new ways to work more flexibly and freely without making errors in the planned process.	Non-linear processes, especially those including unplanned work or rework activities are hugely complex to manage and still complete on time.	Large number of complex tasks to be continually re-planned results in wasted time and error prone management strategies.	Turn around time for work packs are not accurately planned nor consistently executed resulting in late deliveries and poor performance.
PROCESS SCHEDULING		●	●	●		○	●	○
PROCESS VISIBILITY		●	●	●	●	●	●	●
PROCESS CONTROL			●		●	○		
PROCESS HISTORY		○	○	○	○	●	○	○
PROCESS ANALYSIS		○	●	●	○	●	○	○
PROCESS AUDIT		○	○	●	●	●		
DIGITAL WORK CELLS					●	○		
ASSET VISIBILITY		●	●	●		●	●	●

SmartSpace Applications



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