



SMARTSPACE APPLICATIONS



COMMERCIAL VEHICLES

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INBOUND LOGISTICS



Ubisense monitors the flow of trailers and containers in the yard and detects deviations from schedule creating a real-time view of status and alerts. Operations teams can now proactively maintain JIT and JIS parts flow into the plant and from dock to point of consumption.

PRODUCTION LOGISTICS



Ubisense monitors the flow of kits and subassemblies in the plant and detects deviations from plan creating a real-time view of status and alerts. Operations teams can now proactively maintain JIT and JIS flow from origin to point of use with the aid of real-time guidance and automatic verification.

LINEAR ASSEMBLY



Ubisense virtualises physical process controls and removes the constraints of traditionally fixed workstations. Planning teams are now free from fixed TAKT times and can better align process design with product complexity. Operational teams can quickly reconfigure and rebalance the line to rapidly react to product and process changes.

TEST & REPAIR



SmartSpace continuously monitors the flow and interaction of products in and around the test and repair department, capturing real-time insight into WIP status and location, repair area availability and adherence to planned flows and delivery targets. With the aid of real-time guidance, automatic flow verification and detailed process audits, operations teams can now proactively route WIP for optimal productivity and continuous improvement teams can quickly identify process waste and instability.

YARD MANAGEMENT



SmartSpace monitors the location of WIP in the yard, where high volumes of finished and unfinished product are widely dispersed around site, awaiting the next phase in their production lifecycle. Operations teams can now instantly find individual or groups of products, increasing productivity by eliminating search waste.



SMARTSPACE
Inbound Logistics
Monitor



SMARTSPACE
Production Logistics
Monitor



SMARTSPACE
Process
Control



SMARTSPACE
Process
Monitor



SMARTSPACE
Yard
Monitor

SMARTSPACE

Ubisense SmartSpace is a modular software platform that manages real-time location and identification data from multiple sources to build industrial-scale mission-critical visibility and control applications.

SMARTSPACE CORE

OBJECTS & SPACES



The fundamental services needed for storing, managing and making sense of location data on a large scale in real time

SMART WORKERS

LOCATION RULES



Use real-world information to process raw location information to improve its quality and to detect relevant business information

BUSINESS RULES



Transform object location data into business intelligence, by integrating spatial facts about objects with their business properties, detecting important events and alerting the right people

VISIBILITY



Make location and business data visible via web browsers, using configurable personalized maps and forms to provide users with relevant graphical data

REPORTING



Store historical data in a relational database and generate web-enabled graphical reports or integrate with third-party report builders

APPS INTEGRATION



Exchange business data with other systems using extensible APIs that support integration via various interfacing technologies including REST services, .NET, and direct RDBMS integration

CONTROLS INTEGRATION



Control industrial systems with real-time protocols

RFID INTEGRATION



Receive identification data from a wide range of suppliers using industry-standard protocols

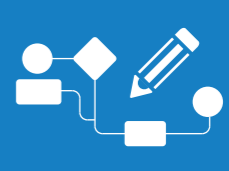
RTLS INTEGRATION



Receive real-time location data from a wide range of suppliers using industry-standard protocols

SMART DEVELOPER

RULES ENGINE DEVELOPER



Develop custom business logic using a drag and drop interface for application specific context-relevant events and application behaviour

REPORTS ENGINE DEVELOPER



Develop custom reports using a drag and drop editor for application-specific consumption of process data