

SOLUTIONS AND COMPONENTS FOR THE SMART FACTORY

Industrial Middleware

Pick To Light system

RFID system

Mobile & Wireless system

Collaborative robot

Mobile robot

Smart sensor

Augmented reality



FAS THINK

Know how and innovation for Industry 4.0

With continuous focus on innovation, for more than ten years FasThink has been designing, producing and selling systems and components for automatic identification, and factory automation.

FasThink supports companies with analysis services, project and integration consultancy using RFID systems, Mobile computing, Augmented reality, Wireless network and Localisation systems.

We offer solutions for Auto-ID, tracking and tracing able to improve the productivity organization and rationalize processes with the integration of the information systems in use.

We provide systems in the manufacturing, automotive, food and pharmaceutical industrial production markets, as well as in logistics and services.

FasThink offers integration solutions that satisfy the requirements of Industry 4.0 and Smart Factory thanks to the experience acquired installing systems for major companies such as **FCA (Fiat Chrysler Automobile), Maserati, CNH Industrial, Dana Italia, Limonta, Fiocchi Munizioni, Tyco Electronics, Geodis, Tenaris, Danfoss, Wittur and many more.**

SMARTRAC

RFID Smart labels



RFID & custom ASIC design



RFID Hard transponder



RFID systems

KATHREIN

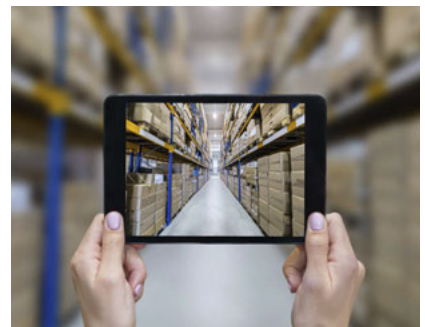
RFID systems



Mobile devices & Printers



Augmented reality





The middleware platform for integrating IoT technology, Auto-ID, collaborative Robots and mobile Robots (AGV)



The wireless Pick To Light system for improving picking processes in materials handling – www.picktolight.it



The software solution for the management and surveillance of inbound and outbound vehicles within manufacturing sites, warehouses and distribution hubs



The product portfolio of wireless sensors for remote data communication and digital/analogic signals



The widest specialised offering of RFID components as well as integration solutions with readers – whether embedded, industrial or gate matched with hard tag transponders and smart labels in the ISO standard frequencies UHF, HF and LF



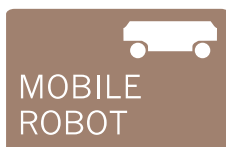
Components and development of applications for safety, tracking and loyalty for Windows, Android and iOS using industrial terminals and Smartphones



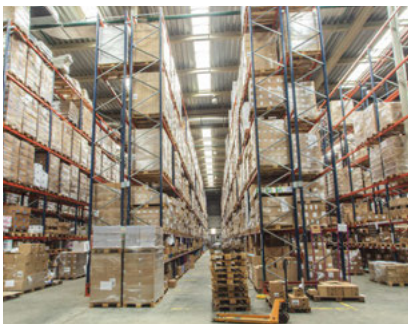
Mobile communication between operators and information systems via smart watches and/or wearable devices



The new generation of robots that can learn and adapt to tasks according to operator requirements, integrated with management platforms



The new generation of mobile robots for automatic goods transportation integrated with management platforms



SOLUTIONS AND SYSTEMS

for tracking and tracing

The evolution of technology to improve processes

We design solutions and systems to improve productivity, as well as process organisation and efficiency integrated with existing in-house platforms and systems.



**AUTOMATIC
IDENTIFICATION**



**FACTORY
AUTOMATION**



**MOBILE
SYSTEMS**



LOGISTICS



MANUFACTURING



**DATA
COLLECTION**



**ASSET
MANAGEMENT**



**PICKING
MANAGEMENT**



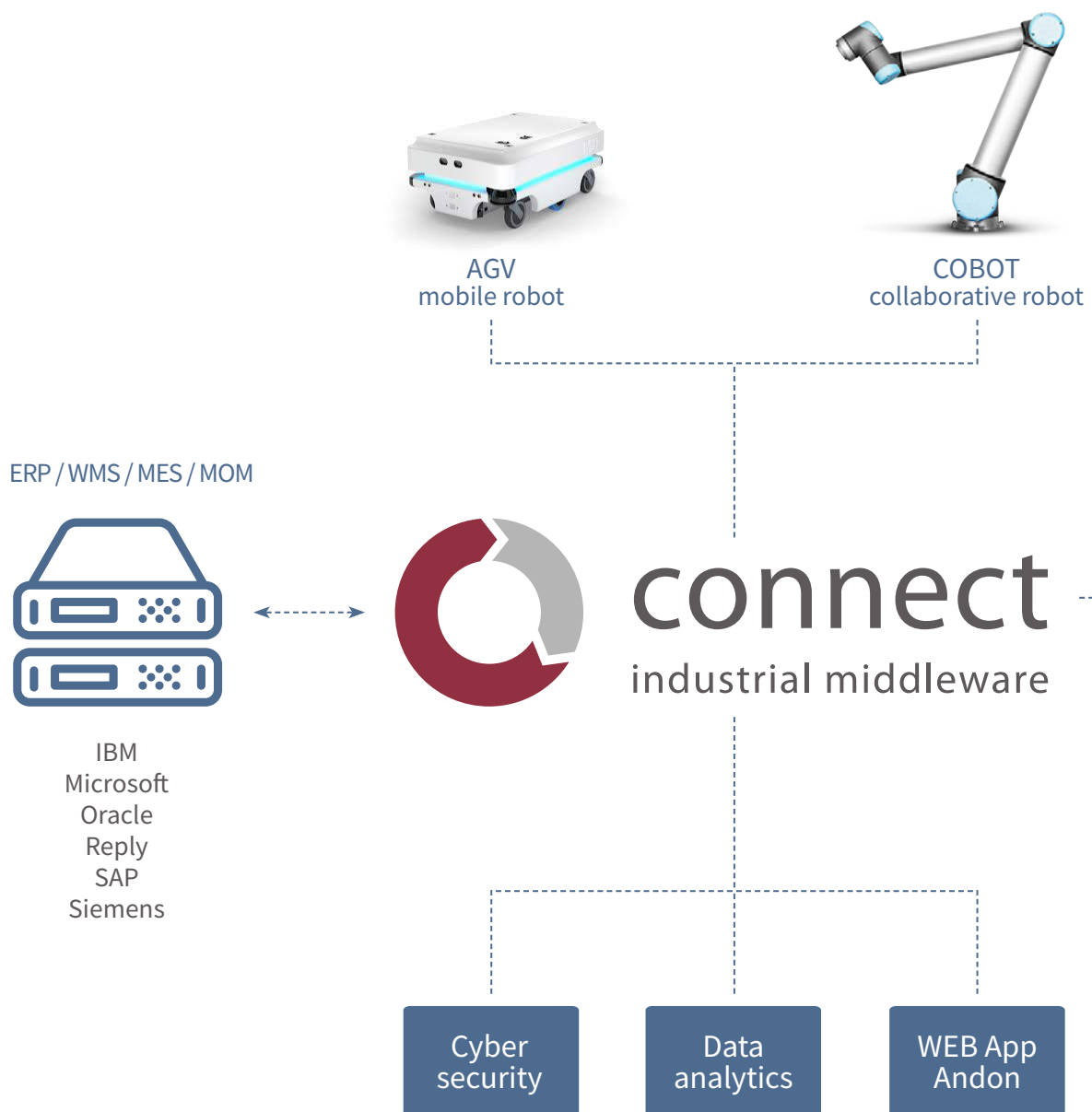
**ELECTRONIC
KANBAN**

INTEGRATION

with current in-house platforms

Connect

The middleware platform for the integration of IoT and Auto-ID components and technologies.



TECNOLOGIES

P2Light

Pick To Light system



smart
sensor



CONNECT

the middleware platform



To make easy the integration of manufacturing and logistics related technologies with existing computer systems, FasThink has developed **CONNECT**. **This new middleware platform guarantees the monitoring and exchange of data between the machines and systems used in the field with the most common business process management software** on the market: ERP (Enterprise Resource Planning), MES (Manufacturing Execution System) e WMS (Warehouse Management System). CONNECT is the simplest solution for managing the data linked to manufacturing and logistics: from planning data to CMS content, to data captured in the manufacturing phase via components and systems such as RFID, Barcode, Pick To Light system and Smart Sensor, as well innovative technologies like Augmented Reality and Cobots. **The main goal is to offer solutions that improve processes by monitoring every phase of operations** making data available in a simply and aggregated way that works properly with the demands of your business and of each individual operator. CONNECT really

stands out because it is a scalable solution alongside the basic module of the system; you can add other specialised modules over time, integrating a variety of components and solutions with different technologies. For example, you can start installation and integration of a RFID identification system and later choose to improve the picking operations by adding a specific module. You can integrate the management of the Pick To Light system, maintaining the same data flow with the computer system already in use. **CONNECT reduces the time needed for the integration and lowers costs** because no structural software changes must be made to the platforms already in use. All that is required is an exchange of shared data, mainly via Web Service, DBMS or File system. The system can also be certified to ensure data protection, prevent spying and shield sensitive data (Cyber security). CONNECT boasts a client portfolio including industrial process installations for prestigious companies leading to demonstrable increases in reliability and efficiency as well as increased profitability ROI (Return on Investment).

FEATURES AND ADVANTAGES

- Architecture that enables client-side web structures and data analysis
- Alert and monitoring options via mailing list
- Configuration and monitoring of linked devices
- Monitoring options to verify operations and errors in real time
- Calendar for planning maintenance
- Customisable operator interface
- Data analysis and dashboard visualisation



CONNECTORS FOR DATA EXCHANGE

- Web service
- DBMS - Database Management System
- File system (CSV, XML, TXT)
- Field bus



Bringing innovation to light does not mean just offering avant-garde solutions, but also respecting the environment and nourishing the well-being of future generations, respecting people and society as a whole. We draw inspiration from the principles of correctness, transparency and honesty, adopting the highest standards of quality for business management.



FASTHINK

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