



on·Plant / WCS

Optimize Move Supervise

The solution for the control and the optimisation of the automation systems

The **automation projects** designed by Onit Group aim to maximize the productivity of logistics and process automatic systems thanks to On.Plant/WCS, the web software module for execution and supervision of all the factory activities.

The system manages various **automatic equipment for storage and handling**: stacker, miniloader, vertical, carousels, crane and compacted warehouses, self-propelling handling systems, AGV, conveyors and sorter, palletizers, weighing scales, printers, automatic readers, systems for voice picking, put/pick-to-light, RFID, etc.

On.Plant / WCS, thanks to the integration with plant or company management software (WMS/MES or ERP), automatically manages the settings of **production plants** simplifying the work of the operators of the line and maximizing efficiency (OEE).

The **integrated supervision** of the automatic system allows to visualize the ongoing activities and **any faults** along the entire layout, **checking in real time** all the entities of the factory (product, machinery, devices, trolleys, operators, etc.)

AREAS OF APPLICATION:

- ✓ Logistic
- ✓ Manufacturing industry

OUR TARGET CUSTOMERS:

- ✓ Manufacturing Companies
- ✓ Companies with automated warehouses
- ✓ Logistics and distribution companies



Supervision

- Layout of supervision dynamically configurable HMI panels/on board machine
- Alarms/faults: automatic registration management and record
- KPI reports



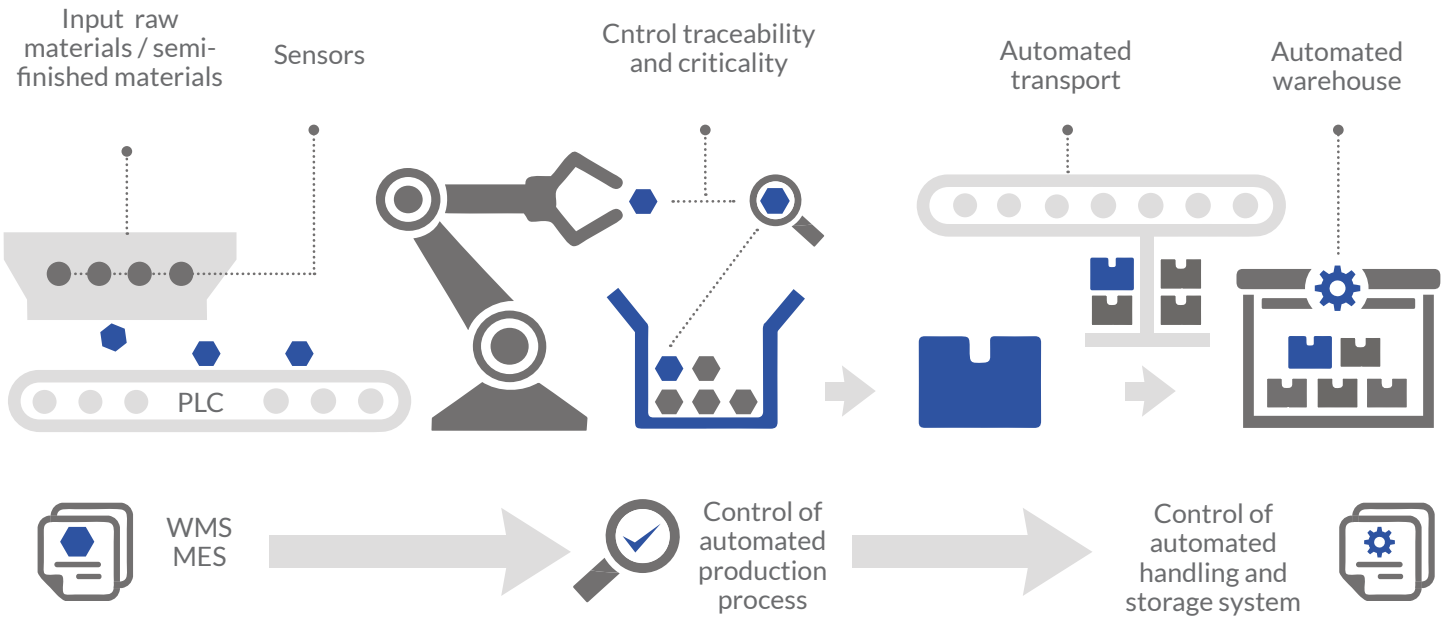
Real - time information

- Accurate knowledge Movement's progresses
- Plant status and production order process
- Automatic integration with WMS/MES or ERP



Design

- Custom projects up to (PLC) programming
- "Standard" projects: system with high level integrations (WMS/MES)
- Review existing supervisory systems (WCS third party)



CHARACTERISTICS

Flexible and modular solution designed for automation projects

Integrated Solution with MES and WMS modules

Development of low level control logics on **PLC**

Supervisor on the edge of the line and/or from remote

Full traceability movements and processes

Set of **optimization algorithms** for the management of the movements and processes

Summary Report of **Performance Analysis** System

PROFITS

Adaptable to process/layout requirements changing

Visibility production or warehouse data on supervisor

Complete vertical integration from the supervisor to the PLC

Direct control on the field or remotely

Security and total control in case of criticality

Increase productivity of the factory

Rapid identification of **bottlenecks** or plant critical points



TOP FEATURES

- ✓ Extended field driver library (OPC DA/UA, Modbus, Siemens, Schneider, Allen Bradley, etc.)
- ✓ Advanced management of field alarms
- ✓ Optimization Algorithms