





ADVANTAGES

HOW DOES IT WORK

HARDWARE

SOFTWARE

HOW TO GET STARTED

SUCCESS CASE

Advantages

DIGITAL TRANSFORMATION: THE VALUE OF THE DATA

Digitization along the business value chain under an integrated approach and with the data as the central point

- The analytics of data as a strategic factor
- Place data as the center of decision making along the value chain
- Integrated approach to do decision making more efficient
- Favour communication and cooperation in the company



Predictive maintenance



Costs identification



Non industrial processes integration



Optimization of stops and replacement



Warehouse optimization



Encourages cooperation in the company

Advantages

PRODUCTION PROCESS OPTIMIZATION

Reductions of costs by improving the production process:

- Data Analysis for decision making
- On-line access to data and events (mail, tablet...)
- Process automation
- Stage by stage: can be applied to different stages of the productive process
- Scalability: can be multiplied by each of the different lines or productive plants



Scalable



Bidirectional



Adaptable



3rd party
integration



Secure



End to end
solution



ADVANTAGES

HOW DOES IT WORK

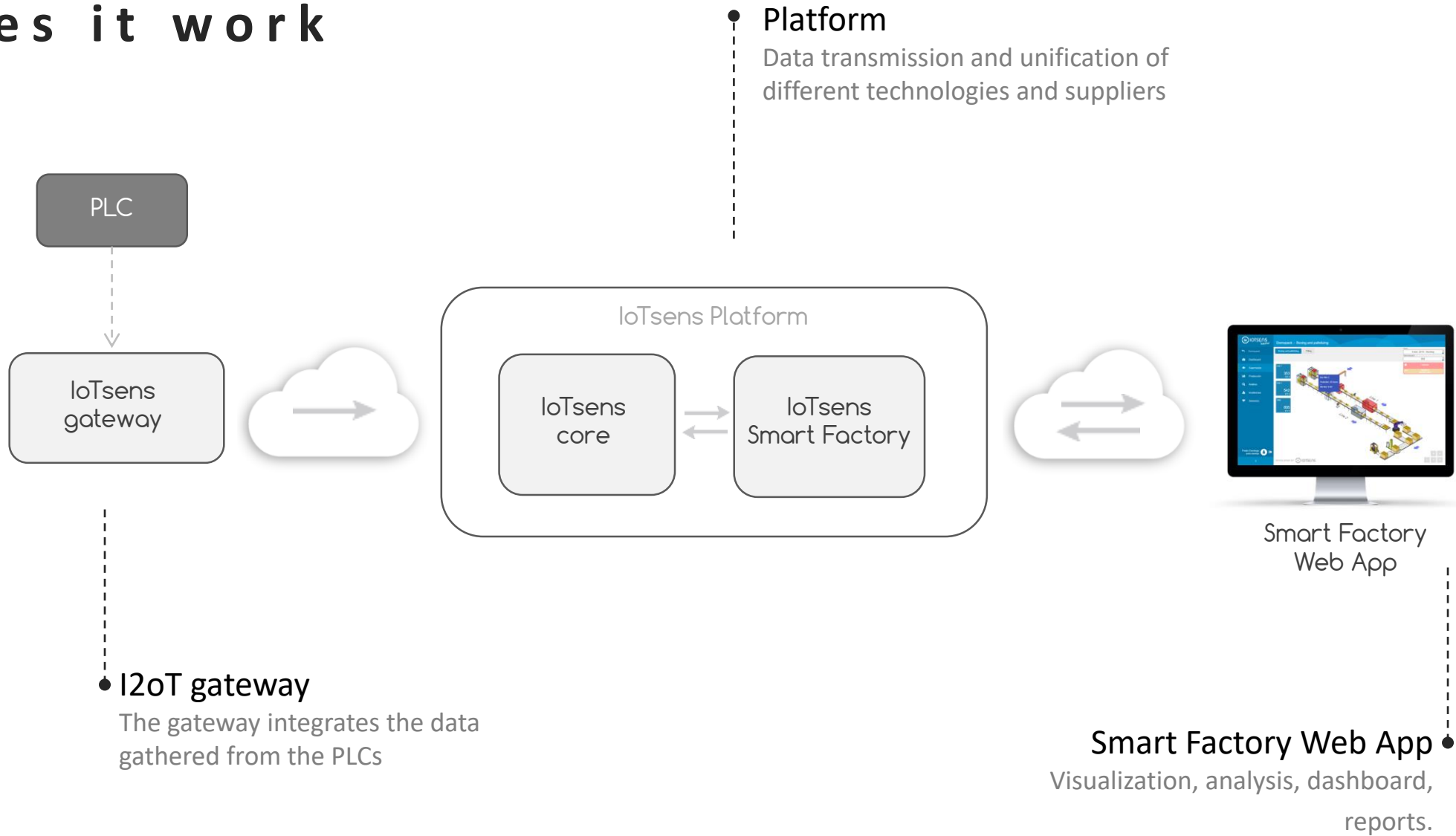
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How does it work





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Hardware

The I2oT Gateway is a hardware system capable of manage the memory map of the PLC and periodically interrogate it to read the memory values. If these values comply with the sending conditions to the platform, they will be stored in the equipment to be sent, either immediately, or when the equipment is able to connect.



GATEWAY I2OT

Modbus RTU, Modbus ASCII, S7, Fins, Hostlinks



Several systems under the same platform



Stores the pending data to send to the cloud



Configurable transmission conditions



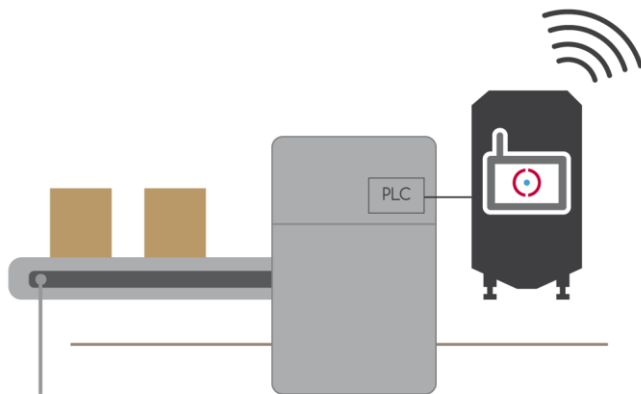
Adaptable to different PLCs



Simple installation on DIN rail

Hardware

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TECHNICAL DESCRIPTION

Size	90x70x60 mm
Weight	150g
Protection class	IP40
Communication with platform	On IP networks through ADSL, 3G, 4G, Ethernet
Connection	Ethernet, USB, rs232 and rs485
Installation	directly onto a DIN rail
Supported protocols	ProfiNet, ProfiBus, Modbus ASCII, Modbus RTU, Modbus TCP Hostlink, FINS...
Supported suppliers	Siemens, OMROM, ABB, Rockwell, Allen-Bradley, Schneider...

Operative System	Linux
Ethernet: RJ45	10/100mbps
Wifi	802.11 bgn
Power supply tension	240 VDC (power supply included) or 5 VDC

Memory	1 Gbyte
Processor	ARM quad-core 1Ghz
Storage	16Gbytes (expandable)



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Software

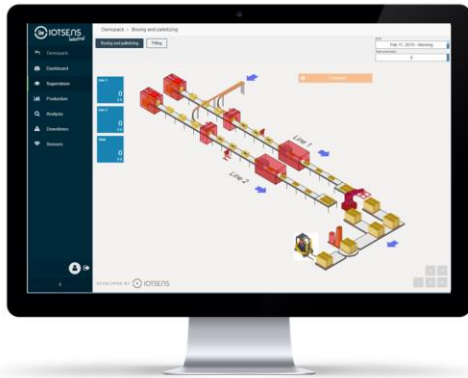
Software solution for the remote management and control of industrial activities that allows the integration, storage and analysis of data gathered from PLCs and the sensors located in the activity area, allowing motors, selectors or machinery status modification and operation

Analysis

Comparative analysis between real production and the objective production

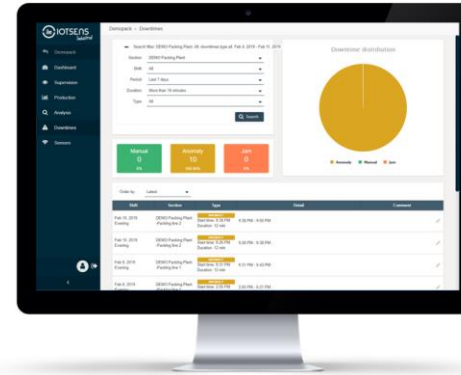
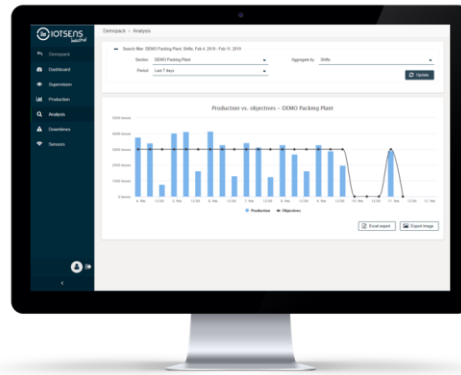
Dashboard

Summary of the production of the plant and its sections



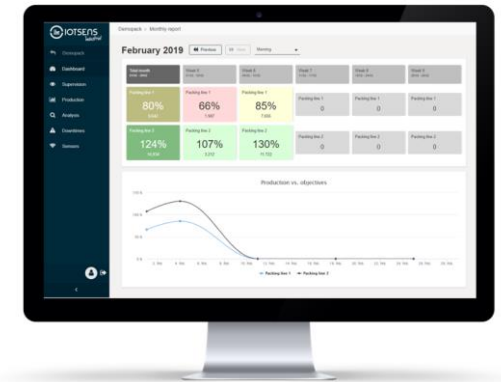
Supervision

Real-time visualization of the status of the plants



Production

Visualization of production historical data of the plant





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How to get started



Identify the main
critical areas



Installation and
testing



Complete the project with a
massive deployment



Define a Proof of
Concept



Analyse the results of the
POC



Long term support





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Success case

Results:



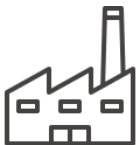
+70%

EFFICIENCY IN
PREVENTIVE
MAINTENANCE



75%

FAILURES



5

PRODUCTION
LINES MONITORED

Vertical software and hardware solution that allows to monitor and analyze the activity and production of industrial plants

what

Real time controlling & monitoring data gathered from production plant

where

12 different production plant of a company in charge of packaging life cycle management

why

To reduce production costs by a better management of the production plant





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