TIMSmartFactory

TURNKEY DIGITALISATION
FOR INDUSTRIAL FACILITIES

Smart Factory 4.0 is the ad-hoc solution for machine manufacturers and users aiming at providing a smooth simple transformation towards adoption of the Industry **4.0 model.**

The solution comprises of an IoT Gateway featuring Olivetti M2M Smart connectivity and the Smart Factory 4.0 App developed by Olivetti in partnership with **Alleantia Srl** - a young startup known for its innovative solutions for Industry 4.0.

Smart Factory 4.0 provides easy "Plug&Play" interconnection of digitally controlled machines running under **CNC** (Computer Numerical Control) and lines and machines controlled by **PLC** (Programmable Logic Controller).

Not only, Smart Factory 4.0 also supports the interconnection of other types of industrial components, such as compressors, inverter-controlled motors, energy consumption detectors and sensors of different types.

In conclusion, the Italian Stability Law includes an incentive for companies adopting the Industry 4.0 plan, providing a **hyper-depreciation of 250%** for the Smart Factory 4.0 solution and new machines adopting it for interconnection.

SERVICE FUNCTIONALITY

READY TO USE CONNECTION
A wide variety of machines can be connected: machine tools with Fanuc, Heidenhain and Siemens 840D controllers and machines controlled by PLC Telemechanique, Siemens S7 and Allen- Bradley Wago, to name but a few (*).

TURNKEY OFFER
The outlay comprises hardware, machine connection software, mobile network connection with the cost of traffic generated on the M2M SIM and applications provided.

CLOUD CONFIGURATION
After connection (included), the M2M SIM sends the machine data to the Olivetti Cloud platform over the 3G-4G TIM network. The Customer then, using the Smart Factory 4.0 App, can view, select and store pertinent information (equipment functioning, job statuses ...) in relation to all the machines connected (*).

ON-SITE CONFIGURATION
The Smart Factory 4.0 App is available on every IoT Gateway installed at the factory, accessed via the Web or company network, and can be used for viewing the data generated and producing reports. What's more, given the considerable number of interface modules available, machines can be easily connected to existing management applications at the facility.

IMPRESSIVE LIBRARY
Thanks to the availability of over 5,000 drivers, the parameters measured by the independent machines and industrial devices connected can be accessed very rapidly. New custom drivers can also be created for specific (e.g. PLC control) machines using the free configuration tools.

(*) The full list of PLC and CNC supported, interface modules and technical requirements are available in Smart Factory 4.0 Sales documentation.

WHY PURCHASE

VALUABLE INFORMATION
Collection of valuable data on machine workings and their overall functioning, with the simplicity of Plug&Play.

REMOTE MONITORING
Data collected via the web from fixed and mobile devices can be displayed, irrespective of location or whether arriving from selfstanding machines or all the machines connected at the industrial facility. This allows a more precise view to be obtained of system functioning, problems and maintenance requirements.

PERFORMANCE ANALYSIS
Data collected can be sent to management systems either on cloud or locally, transmitted via certified interface modules. This allows job performance analysis to improve the efficiency of production processes.

TAX INCENTIVES
Regarding the purchase of the Smart Factory 4.0 solution, as is true also for new machines adopting this solution for interconnection, tax relief can be obtained (in the form of hyper depreciation) as provided by the Stability Law, having as its aim promotion of Industry 4.0.

UNIVERSALITY
The Olivetti gateway connects machines of different manufacturers, of new and older productions, with different technologies and communication languages.