

New Generation Sensors

The IoT Company

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What we provide



Building Internet of Things ecosystems



Providing IoT connectivity exploiting several interoperable communication protocols



Thus we sell Internet of Things hardware solutions...



... But also we enable the end user to add-up third parties compliants components.

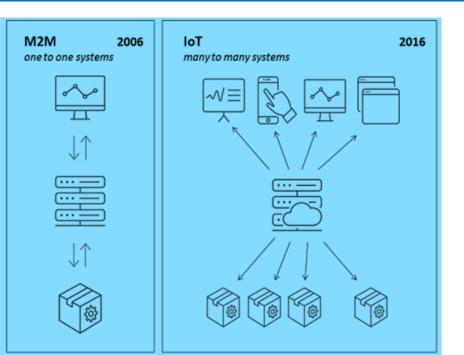
M2M vs. IoT: motivating example

Vertical M2M (2006)

One type of Sensor One Vertical Application One user

Horizontal IoT (2016)

Many to many Many independent Sensors Applications as a Service Many users





Toward the smart factory



NGS solutions enable the horizontal combination of independent sensors capable to create "*applications* as a service" toward a safe and optimised factory

Make safe your high risk plant

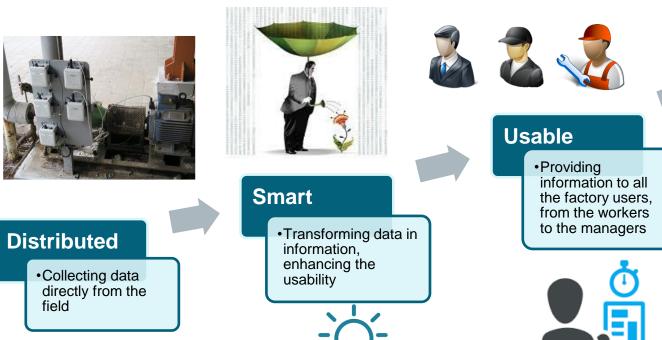


Harmful gases detection

Malfunctioning detection

Fire prevention

Toward the smart factory



NGS_{srl}

Interoperable

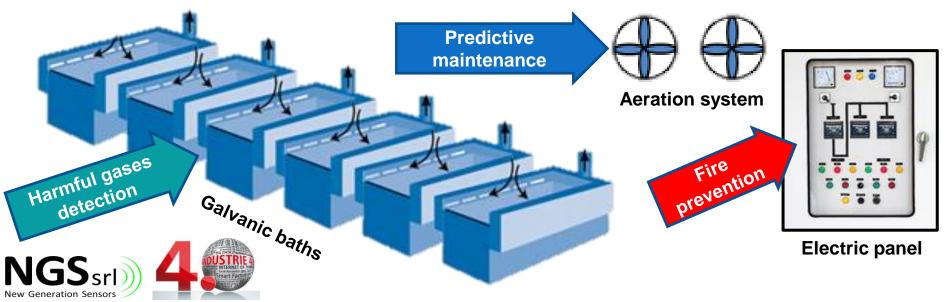
•Cooperating with third parties Cloud applications (e.g. ERP)

Smart Fact



Motivating use case: galvanization plant

A galvanization plant uses dangerous chemicals liquids that can generate harmful vapours (hydrogen cyanide).



PlantOne for malfunctioning detection



PlantOne: From the field to your PC

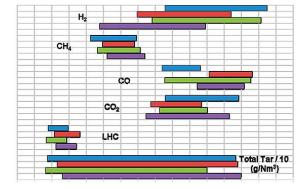
PlantOne:

- Understand the health state of your electric machineries!
- Low cost, plug'n'play, easy to install predictive maintenance (PdM) system
- non-invasive (wireless and battery powered)
- simple logic (threshold) apply to every sample. The threshold is set by the user. An alarm is remotely visualised
- Ready for the market

GasOne for harmful gas detection

- Distributed ecosystems of wireless node for the ubiquitous harmful gases monitoring
 - Need to understand local events monitoring the air the workers are breathing
- Buzzer and screen to visualise and warn about dangerous events







FireOne for electrical fire prevention

Electrical panel over-heating could pose a fire hazard

- Monitoring of the differential temperature...
- Monitoring the CO levels...
- will enable the electrical fire prevention in your plant.





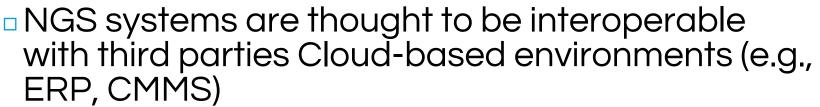
Toward the Smart Factory democratisation

Integration of the logic to understand the evolution of the data gathered from the sensors Provision of easy to understand information and warning toward a safe and efficient plant Interoperation with **common commercial mobile** devices, e.g. mobile phones, wireless screens, ...



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Toward the Smart Factory



- Real time data collection from the field to improve the functionalities of:
 - Risk & Opportunity Management frameworks
 - LEAN manufacturing frameworks
 - Manufacturing Execution System

In collaboration with:



http://www.beenomio.com/



http://www.thewhiteswan.eu/





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