WaterLink 2017

Advanced monitoring of potable water networks

Andrea Rossi
Distribution Technical Center
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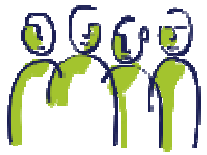
Preserve water resources is our mission, since more than 150 years we work as operator to improve water systems performance

70

82,500



>150 years

~100 M PEOPLE

A global network of research & competence centers

Pooling expertise Resources, Platforms & Techno Watch

€**74 M** devoted to R&I

a network of **6** research centers

over **200** analysis laboratories

400 experts and researchers

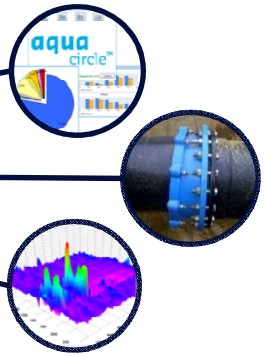
65 research programs

2,000 national patents in **70** countries

333 patent families

Distribution Technical Center

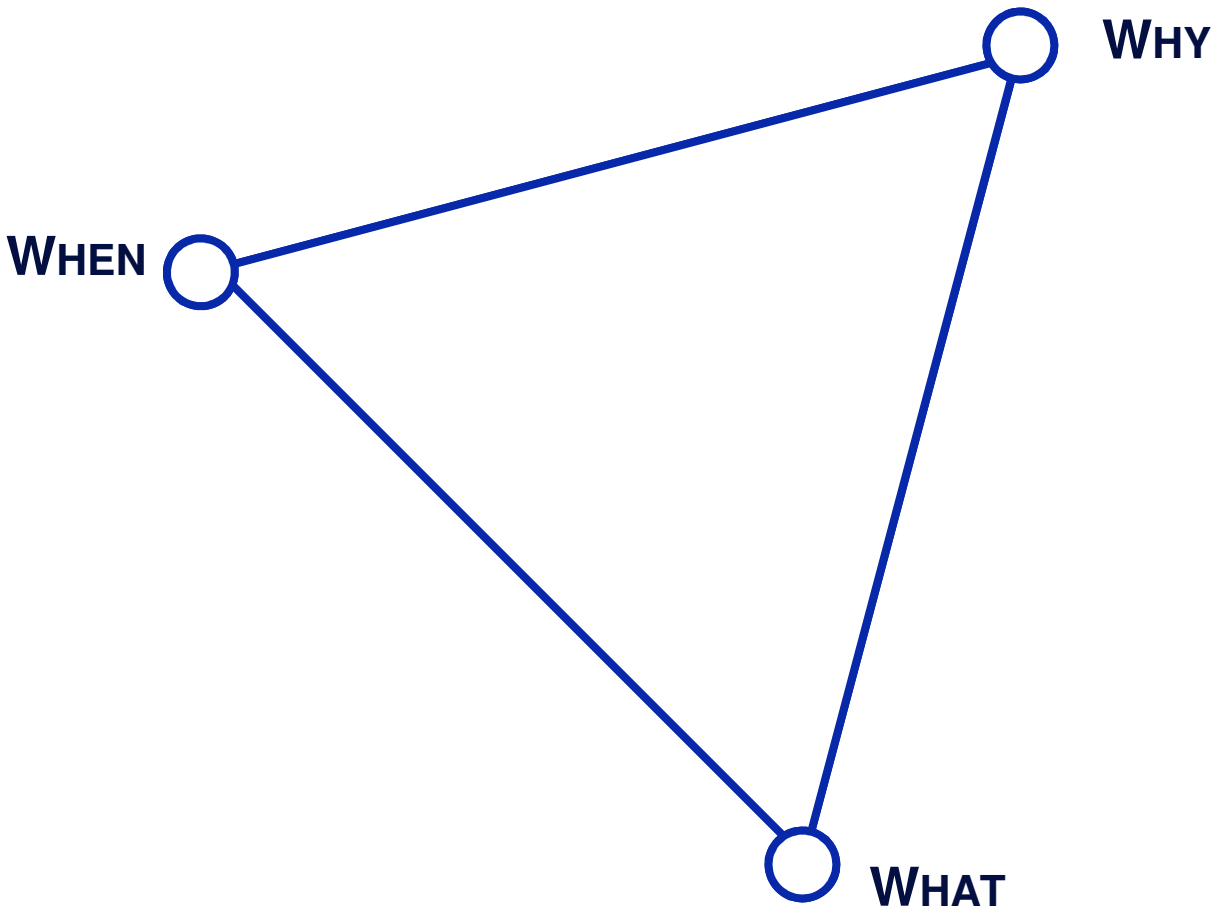
- Network performance
- Asset management
- Smart network



SUEZ

Permanent monitoring of a potable water network

3 questions



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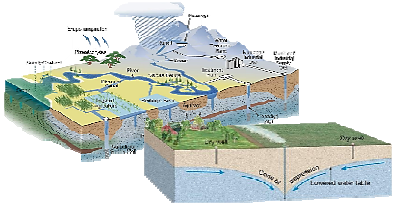
Why: the need of water operators



MANAGE & PRESERVE THE RESOURCE

IDENTIFY OPERATIONAL & ASSET ANOMALIES

MEET DEMAND 24/7

ASSET MANAGEMENT

WATER QUALITY

NETWORK PERFORMANCE

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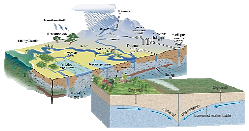
What

	QUALITY	FLOW	PRESSURE	LEVEL	NOISE
 MANAGE & PRESERVE THE RESOURCE	●	●	●	●	
 MEET DEMAND 24/7		●	●	●	
 WATER QUALITY	●	●	●	●	
 NETWORK PERFORMANCE		●	●	●	●
 ASSET MANAGEMENT	●		●		●
 OPERATIONAL & ASSET ANOMALIES	●	●	●	●	●

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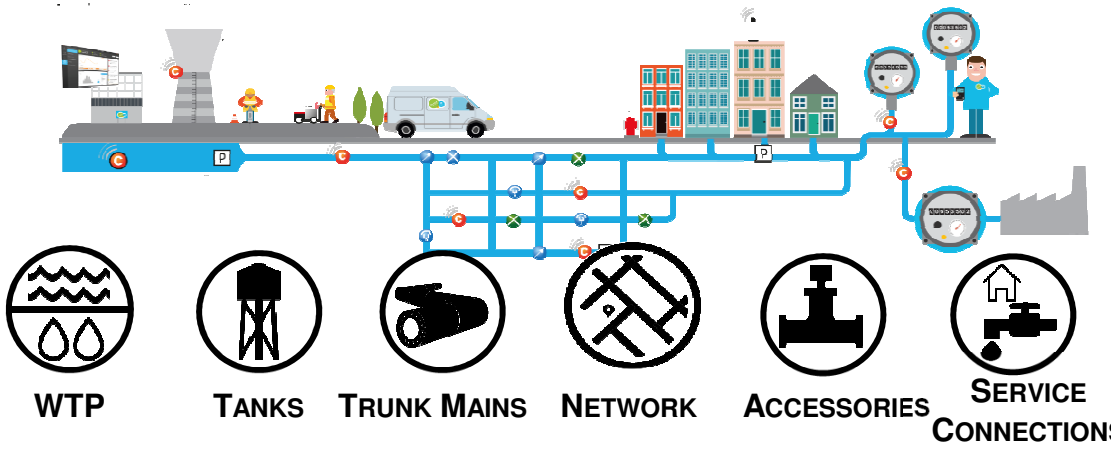
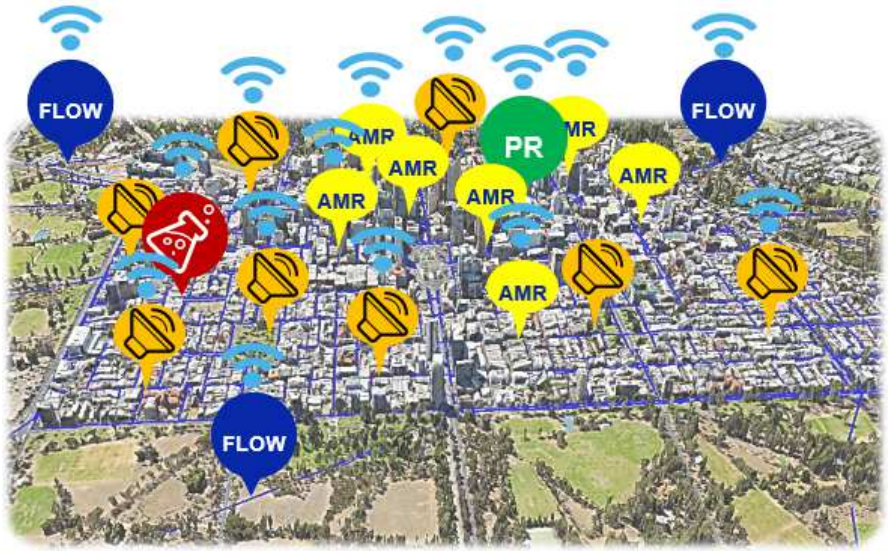
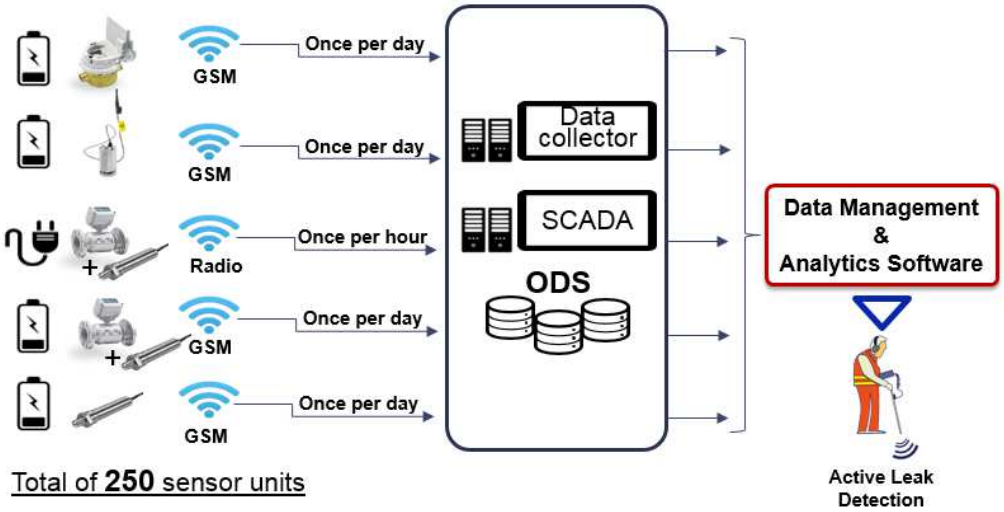
When (and where)







Permanent monitoring of a potable water network

Our role

We help operators all over the world to:

- Understand and describe their need
- Define the right technology, the needed density and location
- Define the frequency of data sampling, acquisition and transmission
- Define the power and communication requirements
- Determine the data communication technology
- Defining the data treatment and analytics technology
- Define the operating strategy and methods

The Driver: Guarantee the result and reduce total cost

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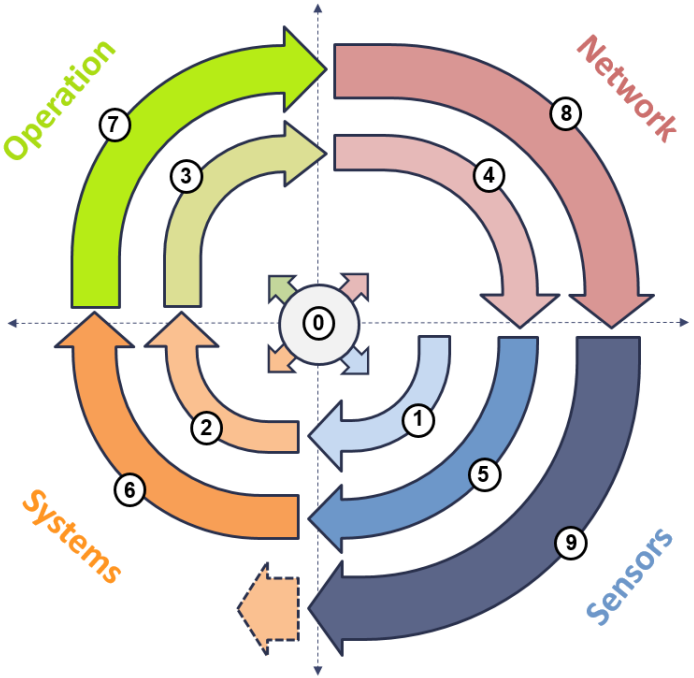
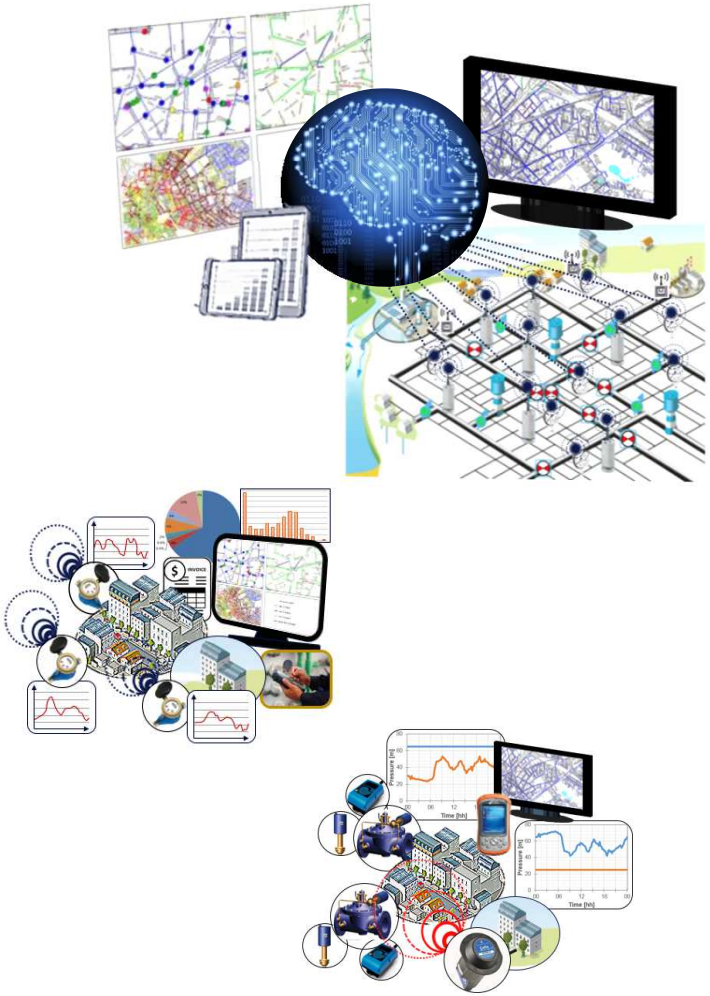
Our role, an example



Advanced Network Transformation

An iterative enhancing approach to progressively achieve increasing levels of maturity toward a smart network, through incremental improvements on the four technical components of a smart network: network, sensors, systems and operation

Our dream



The sensing unit of the future:

- Small, reliable, cheap, embedded on pipes and accessories, with efficient and cheap communication

Technology barrier:
Data Transmission

Thank you!