

ON'connect™

**A new era
for connected city**

ready for the resource revolution



suez

A new generation of smart networks for the Industrial Internet of Things

For over 10 years, SUEZ has been the European leader in smart water metering. Benefiting from its unique experience and from millions of connected objects, the group is presenting its new generation of long range radio network

Choosing SUEZ long range radio network means:

- ▶ **Choosing** the most efficient solution for mass roll-out and hard to access objects
 - ▶ **Having** a sustainable and secure network available to support the digital transformation of the territory
 - ▶ **Opening** and **sharing** of infrastructures and data with all the players throughout the city
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A technology to connect the city

For 150 years, SUEZ has been supporting cities throughout their development. At a time when cities engage in their digital transformation, the group asserts its commitment with a technological offer firmly focussed on openness and modularity:

- ▶ **Services designed** to rapidly and easily benefit from collected data
- ▶ **Collaborative work** to design services with cities and their local partners in all the smart city's fields of application
- ▶ **Open data platforms** to ease system interconnection and data sharing



169 MHz long range technology is the most suitable solution for mass roll-out of connected equipment:

- ▶ **An open and interoperable system** for all types and brands of meters or sensors: gas, water, electricity, filling, noise, air, etc.
- ▶ **A bidirectional solution** with encrypted data ensuring information confidentiality and security
- ▶ **Minimal infrastructure** for reduced roll-out constraints and high data reliability
- ▶ **The best recognised radio** performances for smart water metering among all frequencies and technologies
- ▶ **An open and protected frequency**, 169 MHz is free of rights in Europe and dedicated to smart metering
- ▶ **Native integration with several IT systems**: billing, workforce management, data processing platforms...

Supporting the digital transformation of cities from sensors to services

- ▶ **Supply and installation of connected equipment** from meters to sensors, developed in collaboration with the best industries on the market
- ▶ **Data transfer** through a communication network continuously operated and monitored
- ▶ **Collection and storage** of mass data
- ▶ **Data processing** through application of algorithms produced by SUEZ research and expertise
- ▶ **Operational control centre for ongoing supervision** of the communication chain at the international level
- ▶ **Web portals with alerts and dashboards** for operators and citizens
- ▶ **Contractual and financing modes** that can be tailored to suit the constraints of the city players



Enhancing the experience of citizens

OPERATIONAL AND ECONOMICAL PERFORMANCE OF CITY SERVICES

- ▶ **Automatic and continuous identification of operational incidents:** metrological equipment failure, leakages, damages...
- ▶ **Limiting inconveniences and enhancement of responsiveness** during call-outs
- ▶ **Consumption and income control:** water-energy consumption supervision, metering reliability, securing billing, etc.
- ▶ **Investment rationalisation** in network infrastructures for shared use

SUSTAINABLE AND ATTRACTIVE TERRITORY

- ▶ **Managing and opening** the territory's data
- ▶ **Upgrading of public services** and improving users' relations
- ▶ **Promotion of a more rational use of resources:** sustainable consumption, water and energy savings, smart waste collection and recycling, limiting carbon emission, etc.

THE USER AT THE CORE OF THE SYSTEM

- ▶ **Enhanced comfort** through the development of useful services: smart metering, geolocation of waste collection sites, alerts in case of abnormal water or energy consumptions, etc.
- ▶ **Easier and continuous access to new services** through daily communication tools: smartphones, tablets, emails, etc.
- ▶ **Citizen becoming a city player** interacting with the territory's partners to design new services



