



EUROPEAN ASSOCIATION
OF PUBLIC WATER OPERATORS

Aqua Publica Europea

The European Association of Public Water Operators

From smart meters to big data – how public water operators' mission is evolving in light of the digital revolution

32ND CIRIEC INTERNATIONAL CONGRESS

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About Aqua Publica Europea

- 62 members (public water operators and their associations)
- 70M citizens served, 8+ billion € aggregated turnover
- APE mission
 - Promoting public water management
 - Platform for mutual learning
(APE Working Groups - Water Erasmus – Thematic Sessions)



Working Groups

- WG 1 “**Financing and Tariffs**”: water access, tariffing and assets management
- WG 2 “**Performance**”: performance in public management, indicators and benchmarking
- WG 3 “**Communication**”: communication on and promotion of tap water
- WG 4 “**Research**”: research and innovation in drinking water and sanitation
- WG 5 “**International Cooperation**”: access to water and public-public partnerships



Smart.Met Project

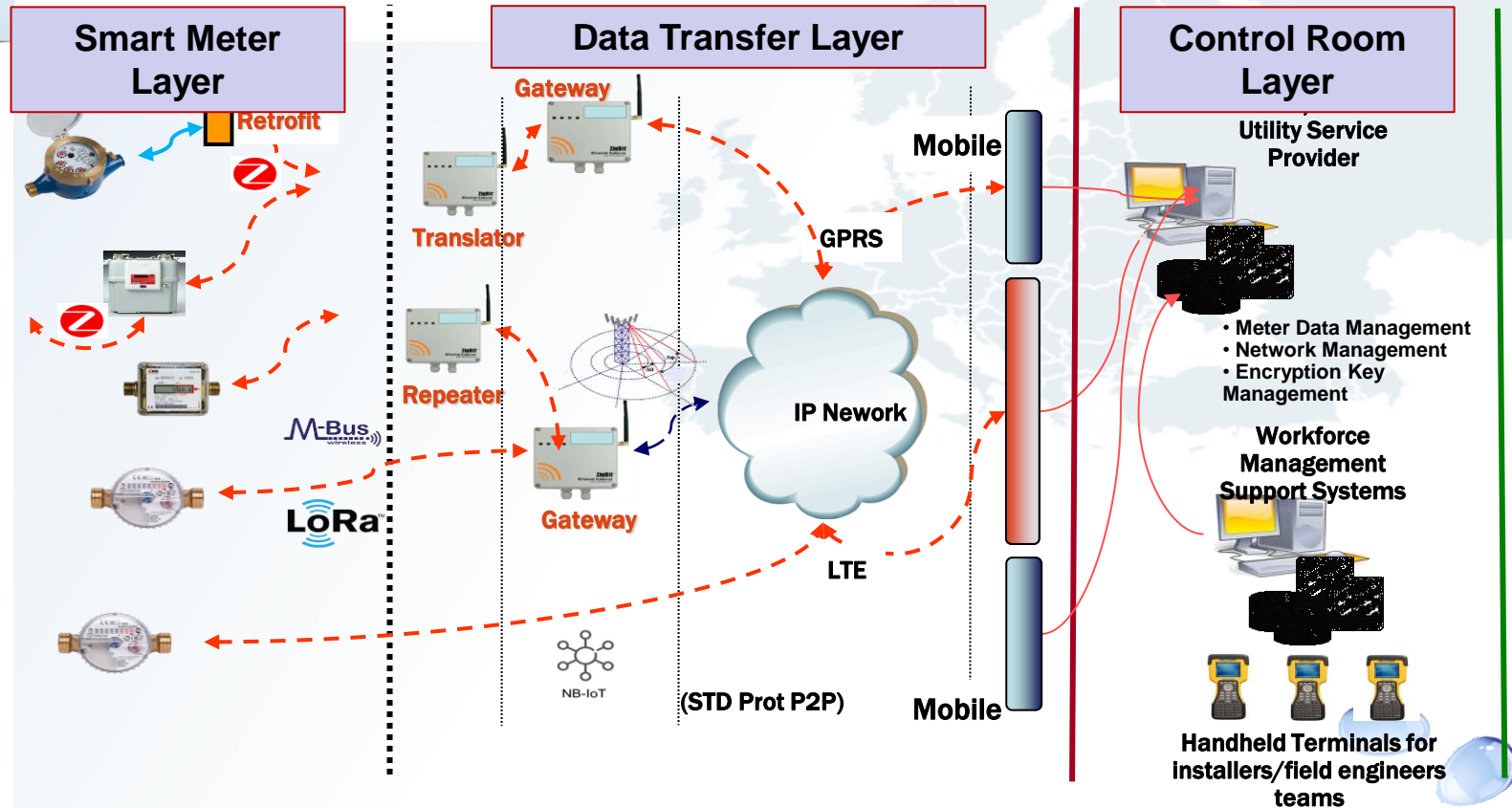
- **What →**
Horizon 2020 Project funded under call ICT-34-2016
- **Objective →**
Drive the development of a new cost effective, efficient, interoperable Water Smart Metering system based on open standards
- **Main figures →**
 - ✓ 4 years project
 - ✓ 4 million € EU financing
 - ✓ 7 public water utilities involved (all APE members) + Technical Partners

A Water Meter



... A smart Water Meter





Why smart metering important?

- Immediate benefits
- Potential long-term wider impact
- Changing mission for water operators?

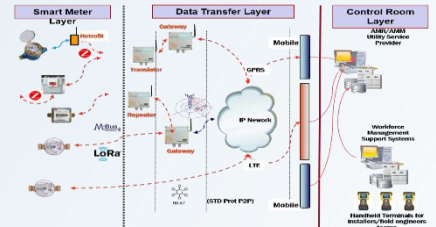


Smart metering: immediate benefits

- Quicker leakage detection (reduction non-revenue water)
- Network optimisation (energy and water efficiency)
- More precise and efficient billing system
- Better control and quicker response in case of pollution



Smart metering: challenges



→ Technological infrastructure (software and hardware)



→ Knowledge management



→ Evolving relation with users



From smart metering to big data: Potential wider impact



- Integration with other services
- Targeted actions and policies
- Stronger user-operator relation
- New business area: IoT and Domotics

New mission for public water operators?



New Challenges, New Opportunities?

*Public water operators :
from “**service providers**” to “**knowledge centres**” for
local development and environmental sustainability*



Further questions?

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