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Project abstract

TELEREADING S.R.L.

Contactor Details	Type/ size of legal entity	Place of performance of contract activities	Logo
Main contractor Telereading s.r.l. Z.I. Blocco Palma II s.n., 95121 Catania (Italy) Giuseppe Mammana +39 095 293037 +39 338 5963011 mammana@telereading.it	SME	% of contract value allocated to main contractor: [100] % % of activities for the contract performed by the main contractor in EU Member States or countries associated with Horizon 2020: [100] %	TELEREADING wireless sensors network system

Project abstract

The **S**mart System for **WA**ter **M**anagement and **O**ptimization (SW*AMO*) project aims at defining, developing and implementing an innovative approach to the management of integrated water services, to be attained through the synergy between a new generation of *Smart-Meters* and an *"Intelligent Management System"*.

The *Smart-Meter* will represent a new generation device, equipped with communication modules, sensor and actuators that will allow a real-time and minute monitoring of consumptions and water quality.

The *Intelligent Management System*, implemented in the Control Room Layer, will collect and elaborate the information coming from the *Smart-Meters*; the developed algorithms will allow not only to monitor the consumptions, but also to implement advanced automatic functions: analysis of the leakages, optimization of water supply to the actual needs, monitoring and management of the communication system, management of the installed devices.

The SW*AMO* project also aims at the development of the "*Smart Communication Module*", a redundant multi-protocol communication system, that will allow the data exchange between the *Smart-Meters* and the *Intelligent Management System*, selecting in real-time the best radio link in terms of robustness and power consumption.

The proposed solution will represent a major breakthrough in water metering devices and management systems, representing an "effective solution to the challenges faced by the majority of European water utilities".

Previous EU funding

Is the project based on / a continuation of R&D activities that were previously funded by the EU?: NO