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smart_{met} 

Project abstract Phase II

TELEREADING S.R.L.

July 9, 2019

Contactor Details	Type/ size of legal entity	Place of performance of contract activities	Logo
<p><u>Main contractor</u></p> <p>Telereading s.r.l.</p> <p>Z.I. Blocco Palma II s.n., 95121 Catania (Italy)</p> <p>Contact person: Giuseppe Mammana +39 095 4879900 +39 338 5963011 mammana@telereading.it</p>	<p>SME</p>	<p>% of contract value allocated to main contractor:</p> <p>100 %</p> <p>% of activities for the contract performed by the main contractor in EU Member States or countries associated with Horizon 2020:</p> <p>100 %</p>	
<p>Project abstract (+/- 1000 characters maximum)</p> <p>Phase II: Develop, demonstrate and validate prototypes in lab conditions. A working prototype solution to submit a test bench in laboratory for verification against Phase 1 specifications and expected costs</p> <p><u>Abstract:</u></p> <p>The Smart System for WAter Management and Optimization (SWAMO) project aims at defining, developing and implementing <u>an innovative approach to the management of integrated water services</u>, to be attained through the <u>synergy between a new generation of Smart-Meters and an “Intelligent Management System”</u>.</p> <p>The <i>Smart-Meter</i> will represent a new generation device, equipped with redundant and low-power communication modules, sensor and actuators that will allow a real-time and minute monitoring of consumptions and water quality.</p> <p>The <i>Intelligent Management System</i>, implemented in the Control Room Layer, will collect and elaborate the information coming from the <i>Smart-Meters</i>; 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.</p> <p>During Phase II, the system will be designed, developed and teste to fulfil and improve all the aspects related to the management of water services:</p> <ul style="list-style-type: none"> • pre-installation phases; • installation and set-up of the devices; 			

- water network management and maintenance;
- services for the end-users (citizens).

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