

WATER DISTRIBUTION SMART METERING (EMILIA, LIGURIA AND PIEMONTE)

CATEGORY

Adaptation (Water efficiency)

LOCATION



DESCRIPTION

IRETI is the company of the Iren Group which, also through its subsidiary companies manage the water distribution and metering services in several north western cities of Italy (for example Genoa, Reggio Emilia, Parma, Piacenza, La Spezia, Vercelli), providing water to about 870.000 supply points (PDFs).

The present project consists in the replacement of the traditional mechanical meters with a new generation of meters (smart meters), enabled for the functions of remote reading. Such metering system allows collecting a much higher amount of measurement data, guaranteeing the billing of due payments based on the actual values of their water consumption, therefore making less use of advance payment invoices, which are more likely to be error-prone, since they are based on estimated measures.

A greater availability of real measures provides to the end users a higher awareness of their own water consumptions, supporting virtuous behaviours which lead to a water consumption reduction, with consequent environmental benefits, in terms of efficient utilisation of water resource, and also lower energy consumptions.

Another related environmental effect is the reduction of measurement data collected "in the field" by operators, with a reduction in consumption of fossil fuels and related CO2 and other harmful emissions.

AMOUNT

Full project amount (€ millions)	Financeable amount (€ millions)	Financed amount (€ millions)
4.7	4.7	4.7



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	UM	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Smart meters installed	n									51.742	90.000	130.000	170.000
Percentage of smart meters on the total	%									5%	9%	14%	18%