

GAS DISTRIBUTION SMART METERING (EMILIA AND LIGURIA)

CATEGORY

Energy efficiency (Energy distribution and management)

LOCATION



DESCRIPTION

IRETI is the company of Iren Group that manages the gas distribution and metering services in several north western cities of Italy (for example Genoa, Reggio Emilia, Parma), providing gas to about 750.000 supply points (PDRs or Points of Delivery).

Promoted by Del. n. 575/2012 of ARERA (Authority for Regulation of Energy, Networks and Environment), the present project consists in the replacement of the traditional mechanical meters with a new generation of meters (smart meters), enabled for both the functions of remote reading and remote management. 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 gas consumption, and improving the management of payment delay, as well as the service transfer or switching procedures, based on the actual measurement data, as well as remotely deactivate the supply due to customer arrears.

A greater availability of real measures provides to the end users a higher awareness of their own gas consumptions (see Directive 2012/27/EU), supporting virtuous behaviours which lead to an

energy consumption reduction, with consequent environmental benefits.

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)	Financed amount (€ millions)
102.5	8.0 (GB4) 45.9 (GB3)



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	UM	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Smart meters installed	n	278	2,710	2,928	5,104	10,862	39,422	97,034	258,569	469,480	603,171	654,804	738,500	748,800
Percentage of smart meters on the total	%	0%	0,3%	0,4%	1%	1%	5%	13%	33%	61%	78%	84%	95%	97%