

## IMPROVEMENT OF REGGIO EMILIA PLANTS

### CATEGORY

Waste water treatment (Wastewater treatment plant upgrades)

### LOCATION



### DESCRIPTION

The project includes interventions on different plants:

1. construction of the advanced tertiary treatment of wastewater leaving the Mancasale treatment plant to obtain an effluent with qualitative requisites to allow its irrigation reuse;
2. upgrading of the Meletole plant;
3. construction of a new purification plant for the municipality of Cadelbosco di Sopra in an area adjacent to the existing plant whose biological sector may in the future be restructured and converted into a rainwater treatment plant;
4. expansion of the Boretto plant;
5. construction of a new water treatment line in addition to the existing line to increase its purification capacity;
6. adjustment of the treatment for the San Bernardino agglomeration through the construction of a purification plant with biological treatment with biodisk.

### AMOUNT

Full project amount (€ millions)	Financed amount (€ millions)
11.6	1.2 (GB4)
	10.4 (GB1)

### ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Volumes of water reused on total treated water	%						30%	30%	32%		28%	28%
Treated population equivalent (potential)	n.	19,350	19,350	19,350	20,250	20,250	24,250	24,250	31,750	38,850	38,850	38,850

Analytic parameters (Abb % BOD, Abb % COD, Abb % SST, Abb % Ntot, Abb % Ptot)