

MINI HYDRO "LA LOGGIA"

CATEGORY

Renewable energy (Mini Hydro Power)

LOCATION



DESCRIPTION

The plant, of the flowing water type, is located near the barrier cross on the Po river in the municipality of La Loggia (TO) and uses the release of the minimum vital flow on the leap existing between the reservoir upstream and the Po level downstream cross. Next to the production plant there is a ladder for the ichthyofauna built with 27 successive tanks and equipped with a visualization and control system (fish counter). The nominal average power of the plant is equal to 644 kW and an average annual electricity capacity of 3.5 GWh/year.



AMOUNT

Full project amount (€ millions)	Financed amount (€ millions)
4.3	4.3

ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	Unit of measure	2015	2016	2017	2018	2019	2020	2021	2022
Electricity produced from renewable non-fossil sources per operating year	MWhe	2,733	3,537	3,343	2,638	3,402	2,513	3,536	3,536
Avoided CO ₂ emissions from fossil sources per operating year	t	1,403	1,816	1,644	1,262	1,630	1,149	1,810	1,810