

I.BLU: SELECTION PLANT IN SAN GIORGIO DI NOGARO (UD)

CATEGORY

Waste management efficiency and recycling (Waste collection and sorting upgrades)

LOCATION



DESCRIPTION

The plant, owned by IBLU, a company controlled by Iren Ambiente, carries out the treatment and selection of plastic packaging waste on behalf of the COREPLA Consortium on the basis of a multi-year contract.

The process consists of the following steps:

- acceptance, verification and start-up of selection, by loading the bag opener-doser machine;
- highly automated primary selections (dimensional and ballistic separations)
- selection of flexible packaging (mainly polyethylene film), through an aeraulic separation;
- separation of the steel and aluminum through a series of magnets and eddy current devices;
- subdivision of the hollow objects (flacons, bottles, etc) by polymer and color through a series of optical detection devices (infrared) and compressed air nozzles;

- manual quality control for the various fractions (including flexible ones);
- the various products are then sent to temporary storage bunker, pending the subsequent volumetric reduction.

The plant's current production capacity is approximately 110,000 tons / year.

AMOUNT

Full project amount (€ millions)	Financed amount (€ millions)
6.8	6.8



ENVIRONMENTAL PERFORMANCE INDICATORS

KPI	UM	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Plastic sent for material recovery	t								30,177	72,000	72,000
Avoided CO2 emissions	t								45,266	108,000	108,000