Interreg
ITALIA-SLOVENIJA
UNIONE EUROPEA
EVROPSKA UNIJA
RETRACKING
Progetto standard co-finanziato dal Fondo europeo di sviluppo regionale
Standardni projekt sofinancira Evropski sklad za regionalni razvoj

infordata
SISTEMI
For easy identification

Gees Recycling metodologija transformacije odpadkov in sistem sledenja CFR izdelkom v sklopu Industrije 4.0

Infordata Sistemi Srl – **Marko Petelin** CEO

Retracking web platform process

Waste recycling management

Disposal

Disposal request with analysis

Offer -> Order confirmation -> Shipment

New Product

Put on the market new product based on FRC with RFID Chip for tracking

Recycling process

Waste enrollment at recycling point

Shredding -> Second raw material

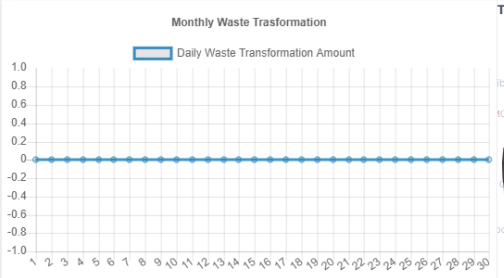
Panel creation with RFID Chip inside

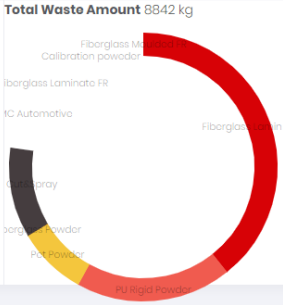
Web Platform Retracking

Operazioni

- Dashboard
- Questionari
- Trasformazione rifiuti
- Recycling Process
- Registro produzione
- Configurazione
- Impostazioni
- Opzioni menu
- Ruoli

CO2 Emissions	New Waste Producers	Surveys	New Partners
CO2 Emission Save **18M Tons**	Interreg Territory **13**	Filled questionnaries **567**	Joined Retracking Partners **27**
Change previous Year 78%	Change 84%	Change 69%	Change 90%





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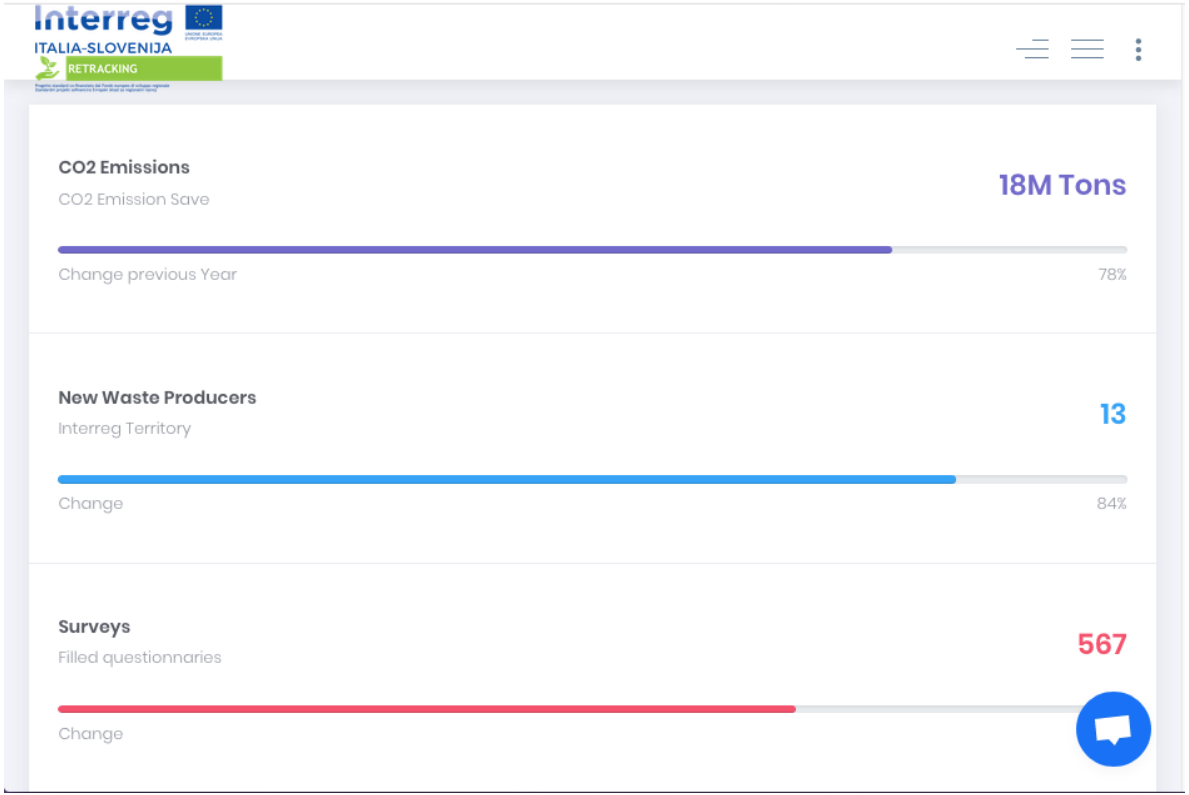
About Privacy Support

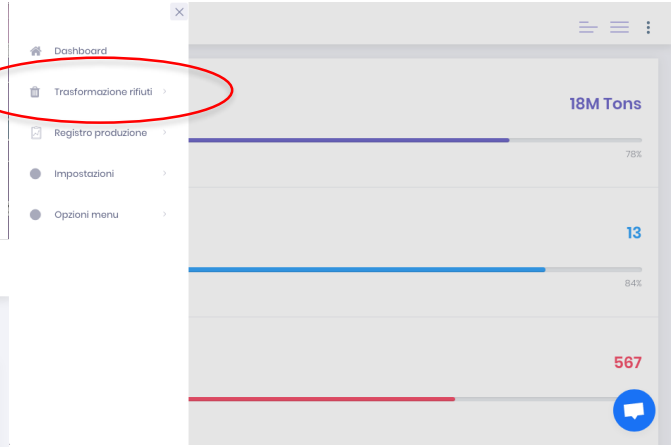
On the home screen a **dashboard** is displayed with various informations – how many waste is recycled, how many Co2 was saved etc.
All data that are displayed are received in **real time**

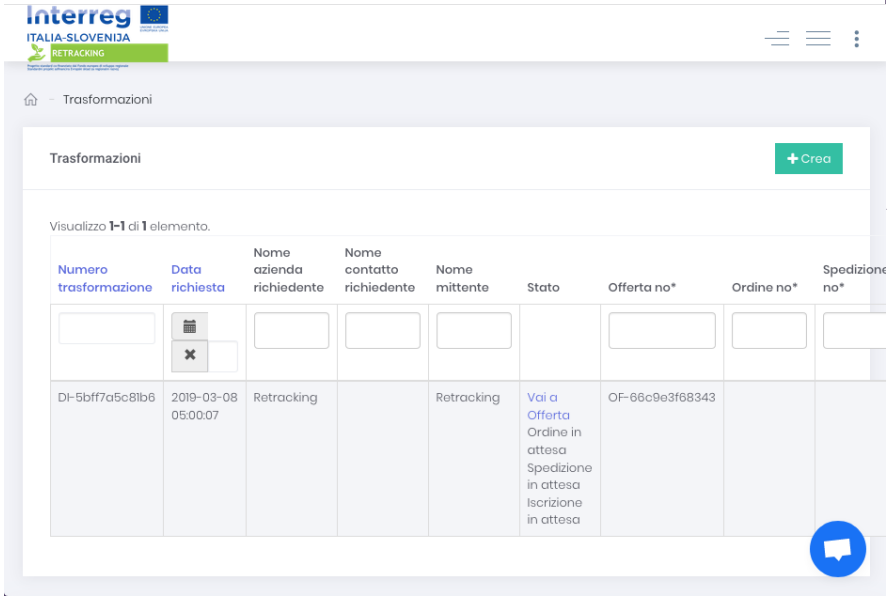
This data can be used for ISO14000 and other certification systems



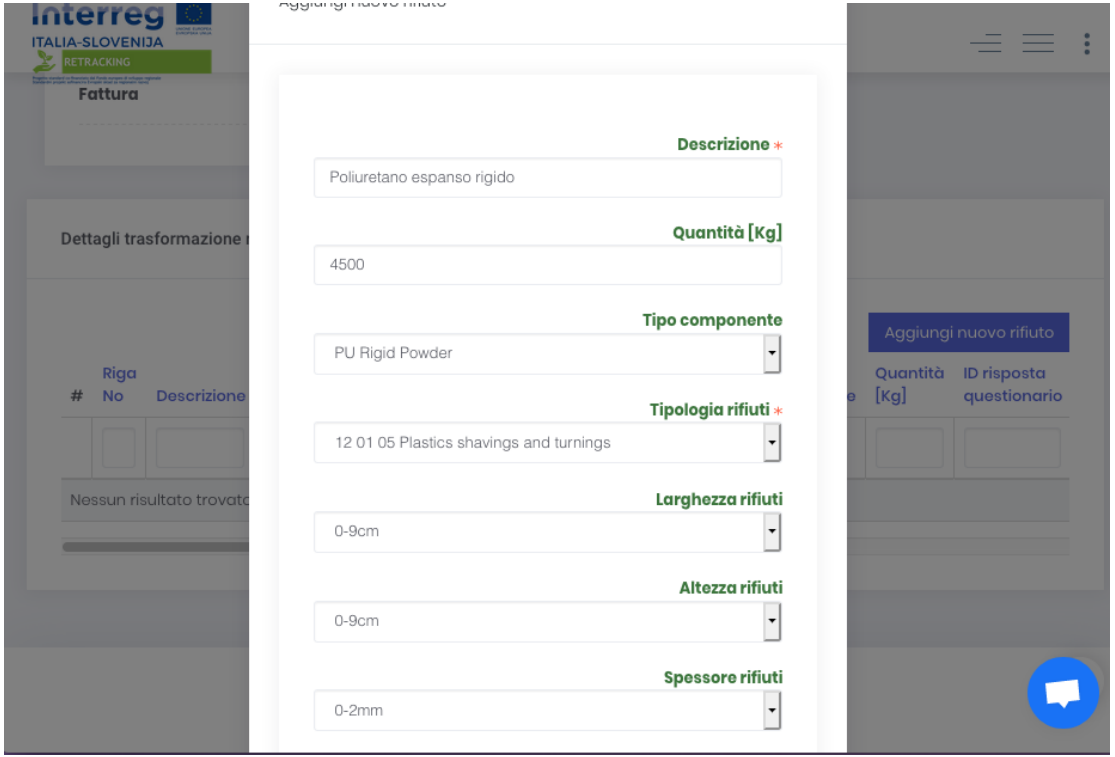
Example data

Waste collection request

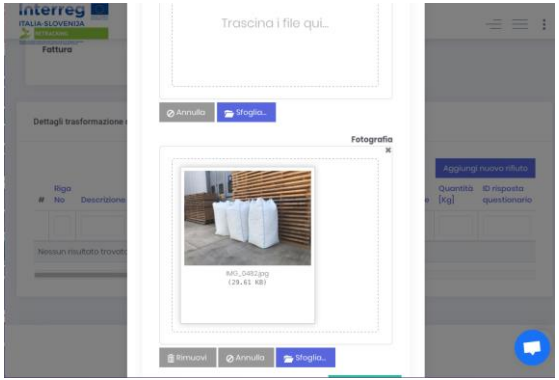


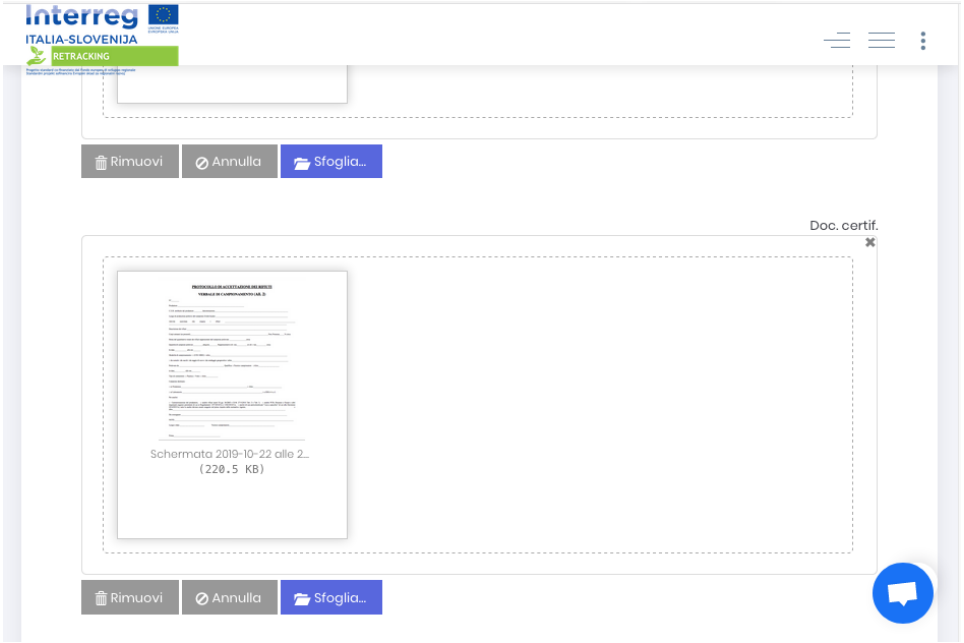


User must fill the form with all the required data. This process is needed to identify the type and all aspects of the waste

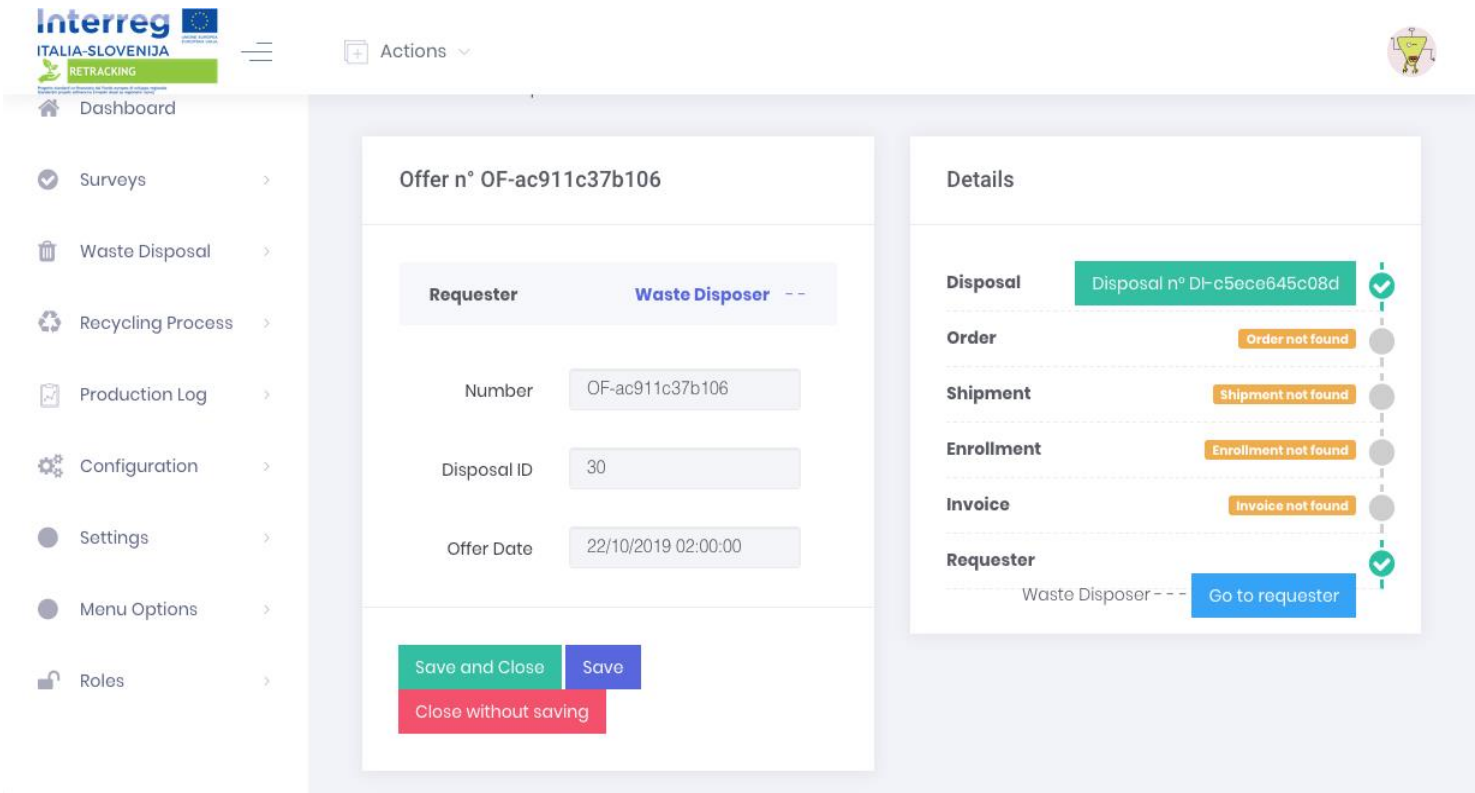


It’s possible to add **documentation** for example analysis certificates (compulsory in Italy)
Or **photos** to better identify the waste

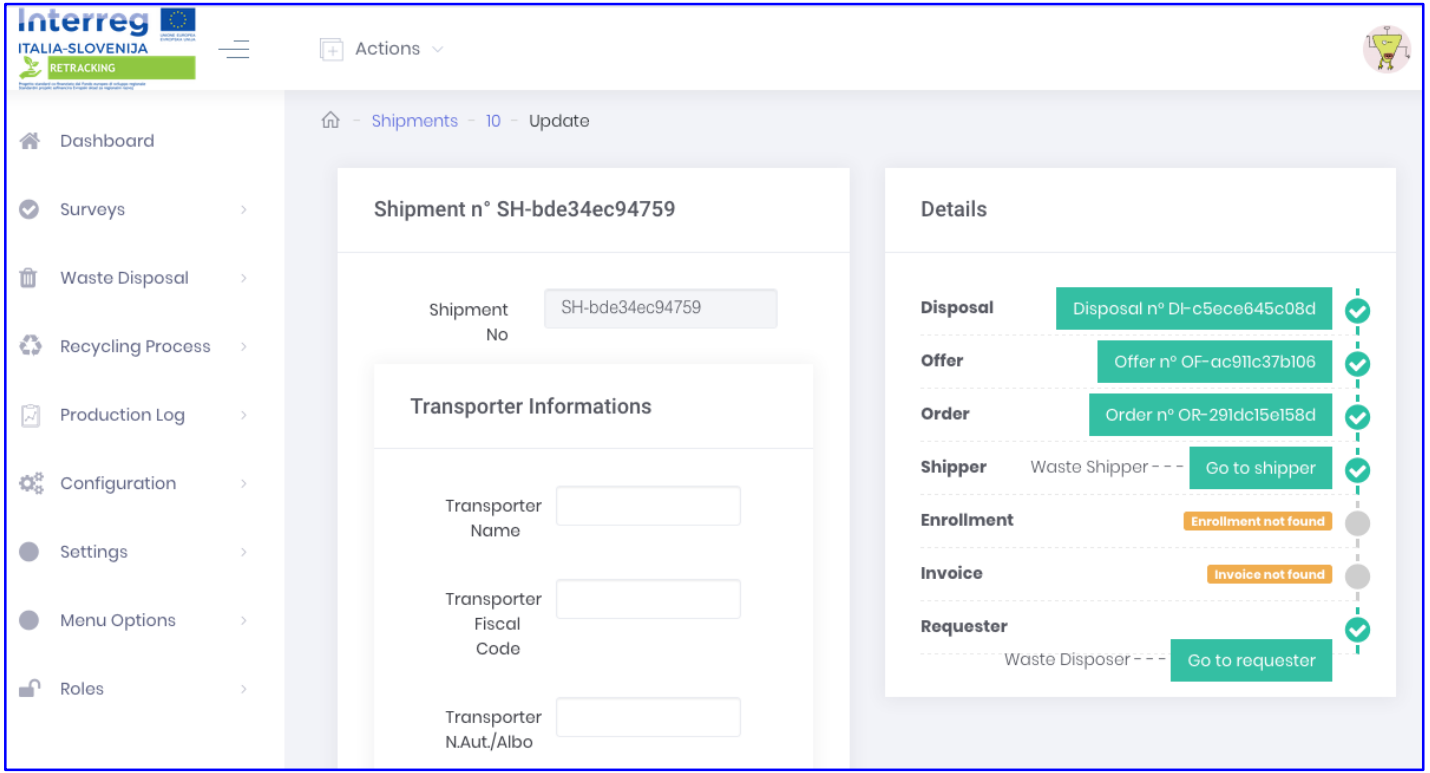




Waste transformation - Offer management



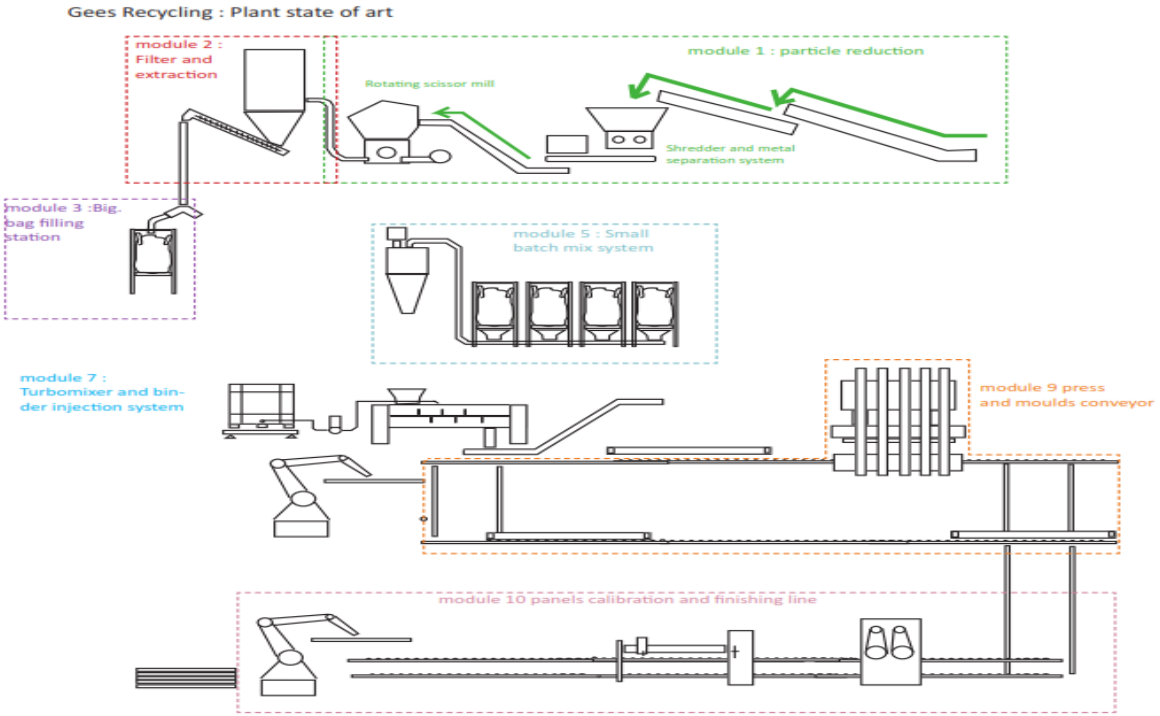
Shipment process tracking and management



Enrollment process

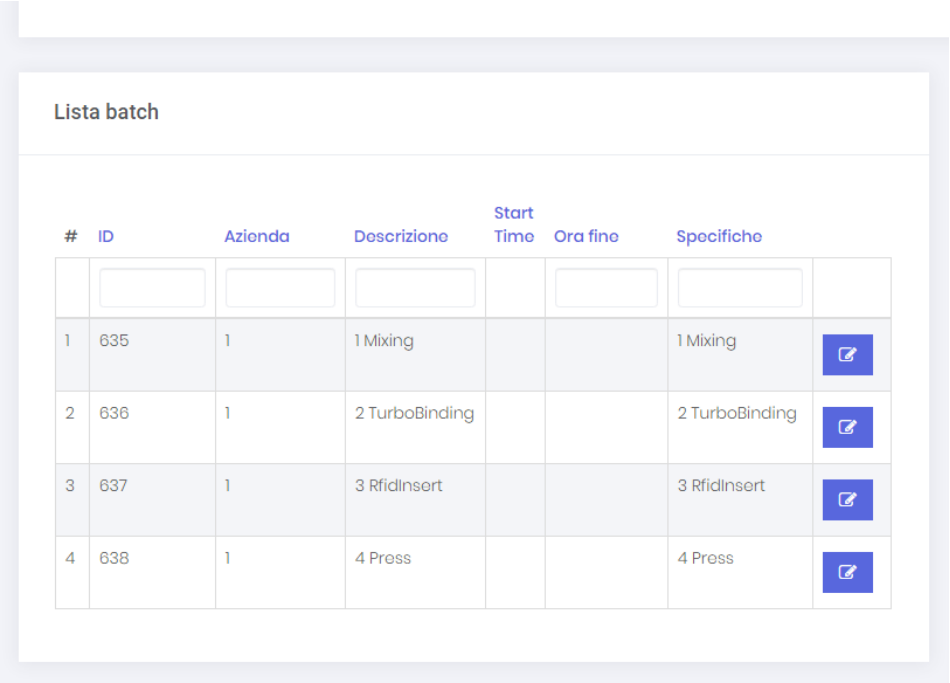
The waste recycling process starts with the shredding of the waste

The shredded waste is placed in large bags equipped with chips



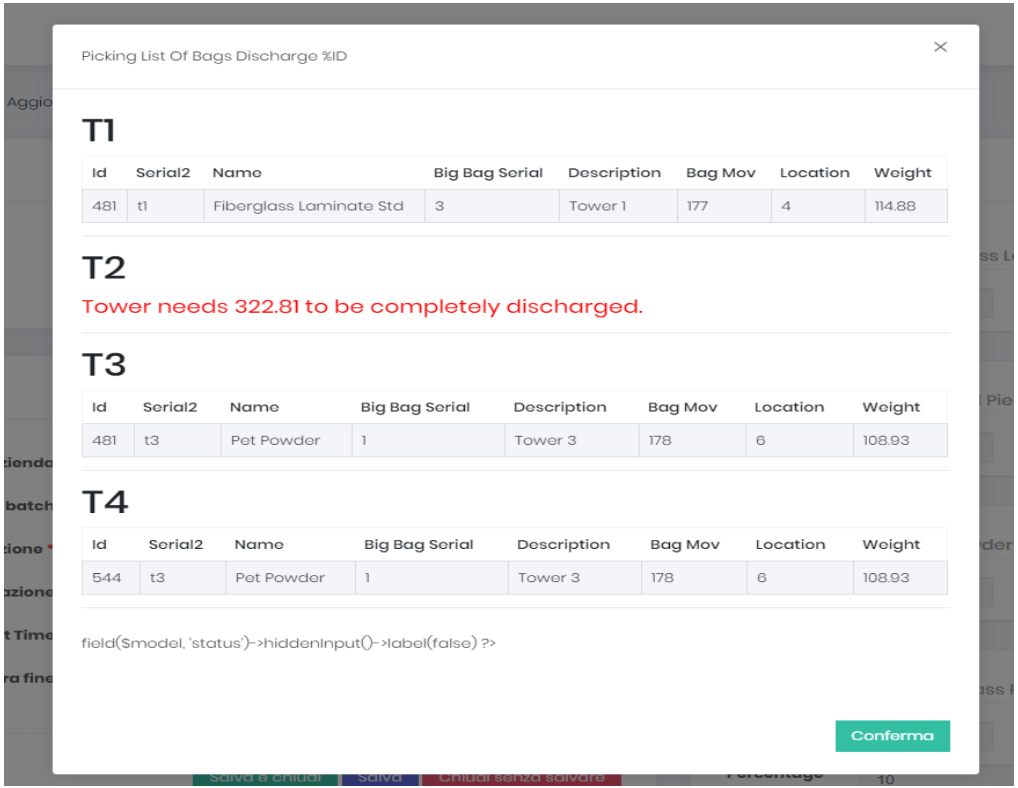
Recycling process – Job batches management

With the production module are tracked and managed the processes inside the single jobs for panel production.

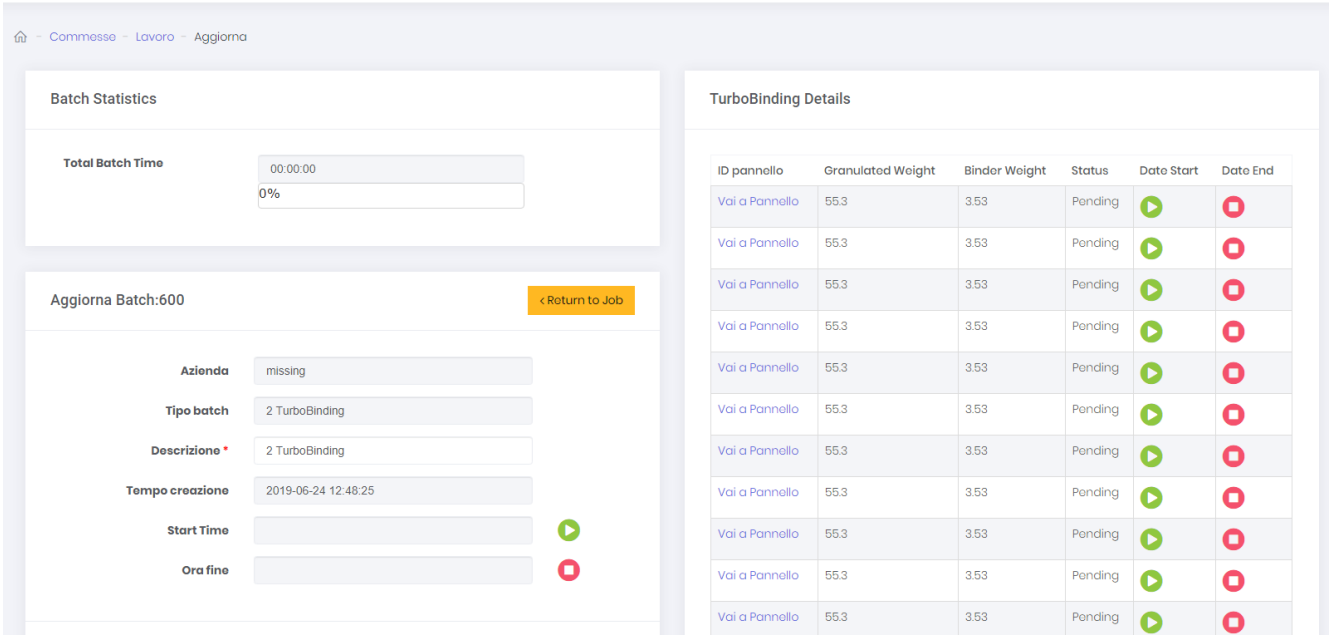


Mixing station batch management

Operator is requested to pick a big bag for tower 2

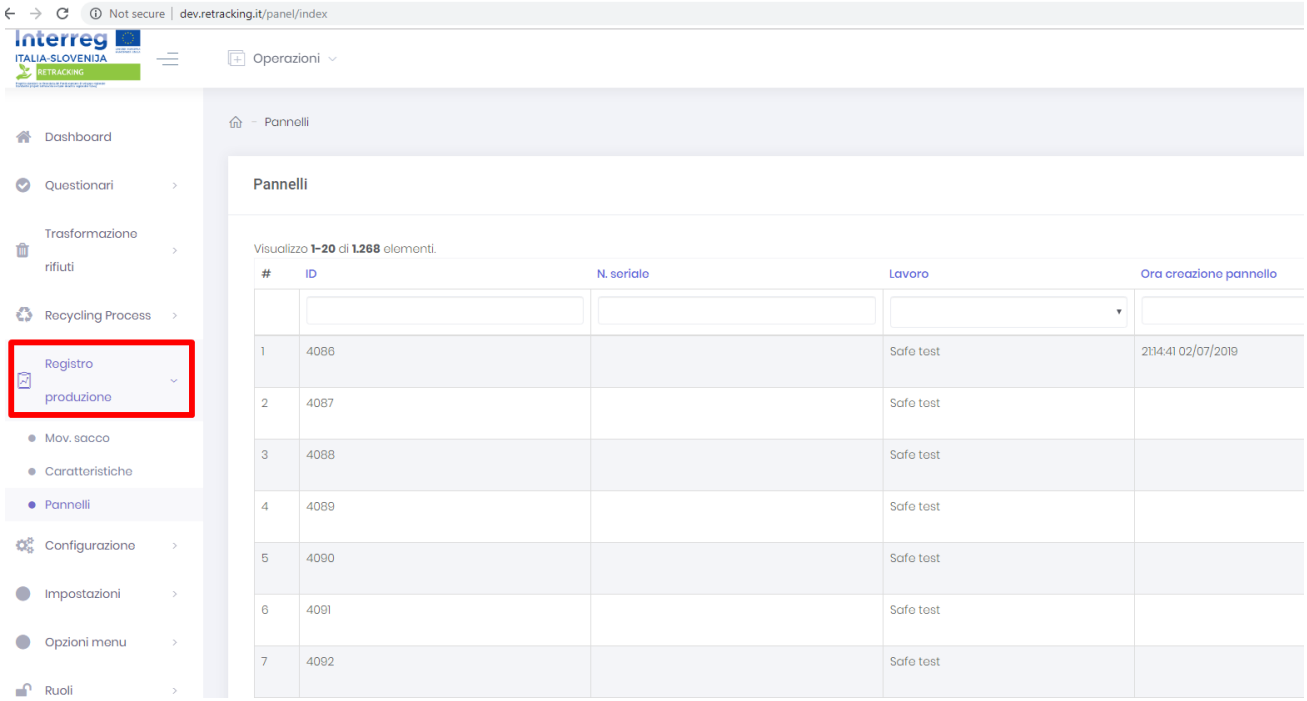


Turbo mixing station:
Start of panels productions with Manual commands to execute/stop process



Telemetry data of pilot plant

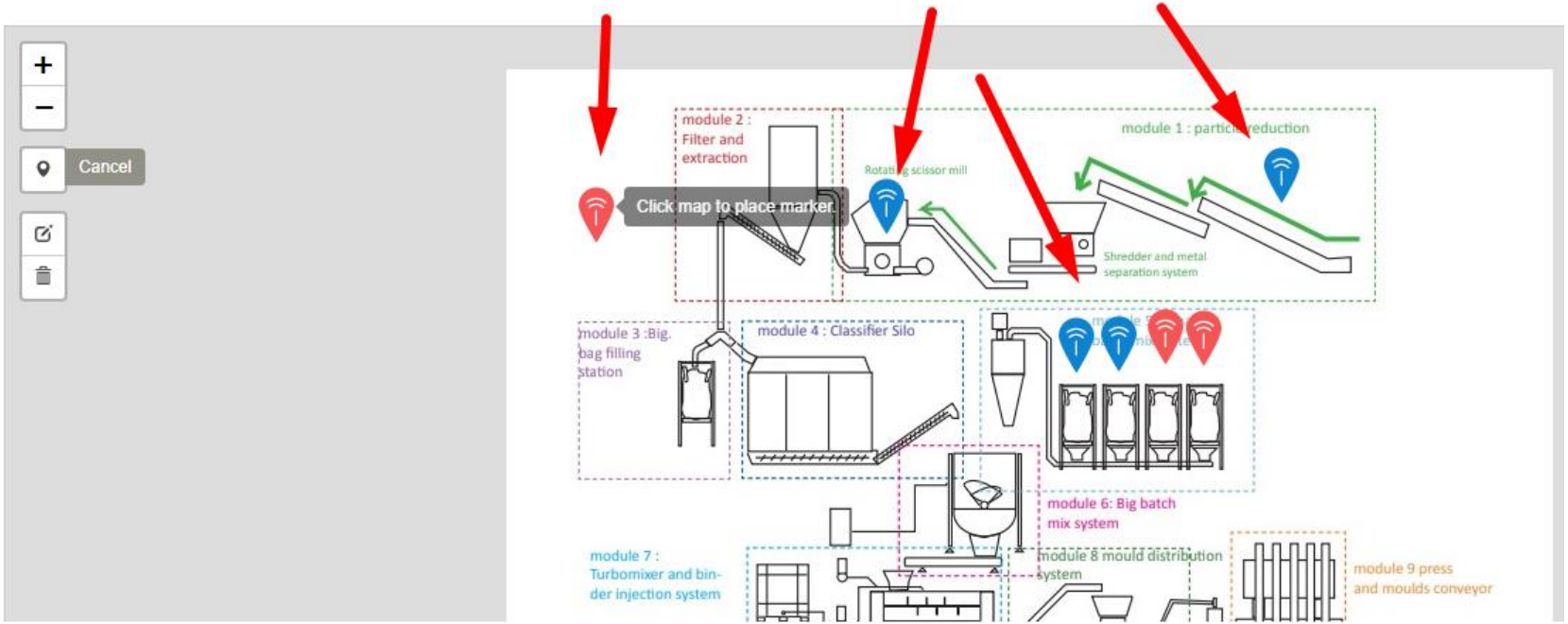
All production processes can be monitored in **Real time**



Web SCADA

Supervision Control and Data Acquistion

Pannello di controllo produzione



Retracking Mobile App

An Android application is available and is designed for management of:

- **Waste disposal**

Collect photos, fill specifications

- **Waste collection and shipment**

Track collection, create shipment labels

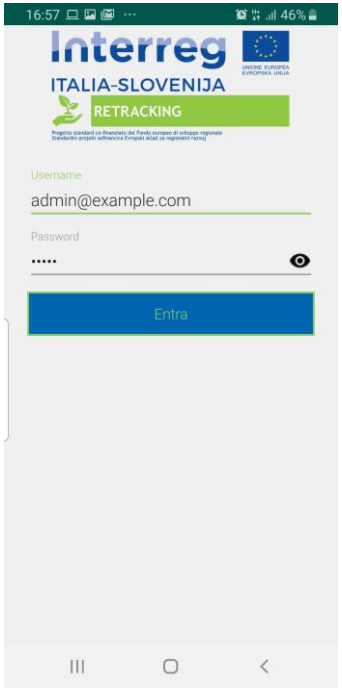
- **Enrollment process**

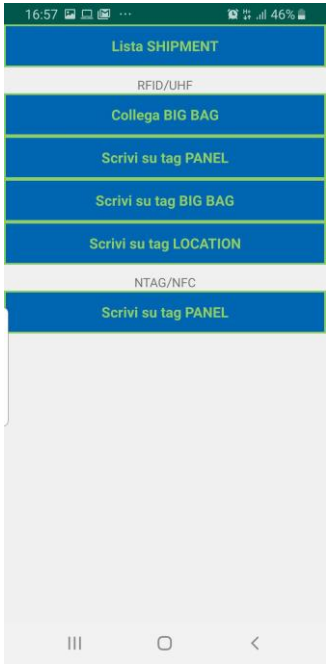
Manage checking and quality check

- **Panel identification**

Retrieve data from RFID chip, stock management, quality control

Screens of the Mobile App





Project partners

- Polo Tecnologico di Pordenone (IT)
- Gees Recycling (IT)
- Zavod za gradbeništvo Slovenije (SLO)
- Infordata Sistemi Srl (IT)
- Gospodarska zbornica Slovenije (SLO)