

## Industrial site

Eco Recycling has an industrial experimental platform in Civita Castellana (VT, Italy) on which are located all the prototype and demonstrative units dedicated to the treatment of different types of WEEE, wastes, residues and complex minerals.



The pilot plants regards the treatments of:

- black mass from Li-ion batteries;
- photovoltaic panels (Si, Cd-Te and thin film);
- lamps, PCBs, CRTs, LCDs;
- metallic membranes;
- biomasses;
- water treatment.

## The Company

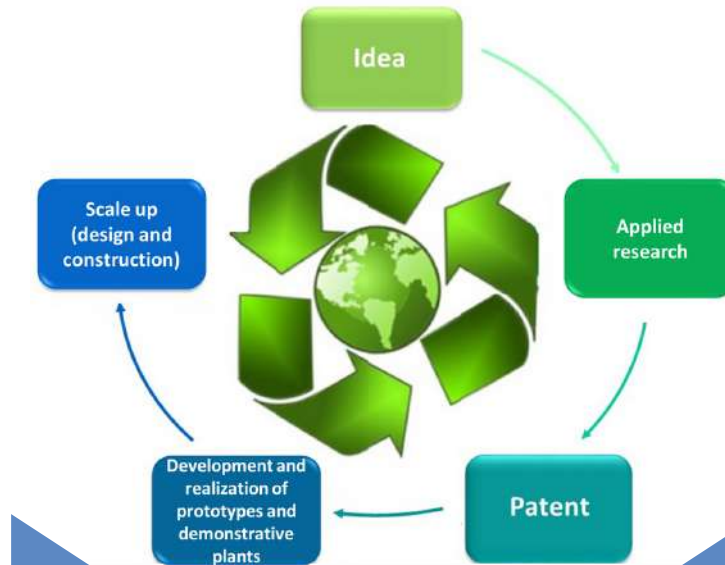
Eco Recycling s.r.l. is a company corporate in 2008 and it is expert in the development and implementation of innovative processes and plants for recovery of metals from secondary raw materials from WEEE, wastes, residues and complex minerals.

The experience gained has enabled it to become an expert company in the following sectors:

- Innovative process and technology development;
- Scale-up from lab to prototype scale;
- Basic and detailed design of prototype units;
- Prototypes construction;
- Execution of experimental campaigns on prototypes;
- Provision of know-how;
- Basic design of full-scale plant;
- Detailed engineering assistance for full-scale plant;
- Training of personnel involved in the management of prototypes/plants and assistance and start-up of full-scale plants;
- Technical and economic feasibility analysis;
- Life Cycle Analysis (LCA) and Life Cost Analysis (LCC).

# ECO Recycling

**Innovative processes for the valorisation of WEEE, wastes, residues and complex minerals**



## Contacts

Office: Viale Palmiro Togliatti 1639, 00155 (RM)  
+39 06 96039819  
[www.ecorecycling.eu](http://www.ecorecycling.eu)  
[amministrazione@ecorecycling.eu](mailto:amministrazione@ecorecycling.eu)



## Pilot plant for PV treatment

Recovered materials:  
high purity glass, Al and  
plastics



## Pilot plants for following treatments:

- black mass from Li-ion batteries
- lamps, PCBs, CRTs, LCDs



Recovered materials: NMC and graphite,  
Eu, Tb, Y, Gb, Li (rare earth), Au

## Pilot plant for metallic membrane treatment



Recovered materials:  
metallic support and Ag



Recovered materials: metallic Co and Eu, Tb, Y,  
Gb, Li (rare earth), Au

## Pilot plant for bio-adsorbents production



Produced material:  
bioadsorbent for As removal

## Pilot plant for water treatment



Produced material:  
decontaminated water