



Project Information Sheet

Photovoltaic panels Mobile Recycling Device

Programme area:	Eco innovation 2012, Green Business
Coordinator:	Renato Reggi LA MIA ENERGIA SCARL E-mail: pvmorede@lamiaenergia.net Website www.lamiaenergia.net
Partners:	- The University of Florence Department of Industrial Engineering, (Italy) - LEITAT Technological Center (Spain) - Pv Cycle (Belgium)
Website:	-
Benefits (max. 150 characters incl. space):	Make available at least a PV-MOREDE device in Germany, Spain, France, Italy; reduce treatment panels costs/tons up to 40% recycling usable materials
Keywords:	Photovoltaic panels, mobile device, recycling
Sector:	Green Business
Type of solution	Innovative process for recycling photovoltaic panels
Duration:	01/10/2013 – 30/09/2016
Budget:	€ 906.892(EU contribution: 50%)
Contract number:	ECO/12/333078

Summary

The project foresees the penetration in the market of an innovative process called PV Morede for recycling photovoltaic panels at the end of their life cycle, developed by La Mia Energia, holder of the patent. The system is an innovative mobile device able to make a complete treatment of PV panels where they are installed. This allows to treat on-site and on demand small quantities of PV panels, in a much cheaper and easily accessible alternative compared to industrial waste systems. The device is particularly suitable to treat first generation photovoltaic panels, and it allows to obtain at least three types of recoverable waste products: glass, photosensitive metallic material, "light compound"

Expected and/or achieved results

- Make available at least a PV-MOREDE device in Germany, Spain, France and Italy within the duration of the project
- Treat about 270.000 panels during the project and recover up to 4.735 tons of glass; 669 tons of aluminum, 7,6 Tons of copper.
- Dispose under controlled way, 1 Ton of lead and 400 Tons of other key materials (EVA, Tedlar, Silicon)
- Reduce treatment panels costs / tons up to 40%

The information sheet will be published in the [Eco-Innovation website](#). The EACI reserves the right to edit the information sheet for content and length