



# LIFE DE-BAY

Equipped island for the management of liquids and components for end-of-life vehicles

*“Thanks to LIFE De-BAY dismantlers will be able to depollute ELV in one sixth of the time which is now required, and in much safer conditions for operators.”*

## PROBLEM

End-of-life vehicles (ELV) have become a global concern. Countries with a legislative ELV system commonly set a target for recovery rates, with many aiming for more than 95% recover, and, in Europe it is required that at least 85% of the vehicle weight is recycled. Besides, the primary goals of the automotive recycling industry are to harvest automobile components for reuse and to recycle the remaining valuable materials that can be used in the manufacture of new basic materials. Nevertheless, with the available tools, depolluting and recovering of ELV components is still a time-consuming activity especially for a small and medium-sized dismantler. As a consequence, many ELV go through a very superficial depolluting and recovering process, and are sent to dismantling and shredding even when considerable amounts of fluids and materials could still be recovered.

## SOLUTION: The Depollution Island



- LOWER ENVIRONMENTAL IMPACT OF ELV
- RECOVERY OF HIGHER AMOUNT OF VEHICLE MATERIALS AND COMPONENTS
- RECOVERY OF 99% OF ALL ELV FLUIDS IN WEIGHT
- DEPOLLUTE ELV IN ONE SIXTH OF THE TIME NOW REQUIRED
- MUCH SAFER CONDITIONS FOR OPERATORS

## EXPECTED RESULTS

### INCREASE:



- RECOVERY OF FLUIDS (AT LEAST 50% MORE) AND COMPONENTS
- QUALITY OF THE RECOVERED MATERIALS AND SAFETY FOR OPERATOR
- REUSE OF ELV LIQUID AND SOLID MATERIAL
- IMPLEMENT OF THE WASTE LEGISLATION (DIRECTIVE 2000/53/EC)
- PARTNERS BUSINESS AND EMPLOYMENT RATE

### DECREASE:



- ELV DEPOLLUTION TIME BY ONE/SIXTH
- POLLUTANT FLUIDS IN THE ENVIRONMENT
- NUMBER OF ACCIDENTS FOR OPERATORS
- LEVEL OF IMPURITIES OF THE RECOVERED MATERIALS (SUCH AS THE METAL CARCASS) WITH AN INCREASE OF THE VALUE OF THE MATERIAL
- INCINERATION OF NON-METAL AUTOMOTIVE SHREDDER RESIDUE (ASR)

## DETAILS

### PROJECT TITLE

ELV DEPOLLUTION BAY – equipped island for the management of materials and components for end of life vehicles

### PROJECT ACRONYM

LIFE De-Bay

### PROJECT REFERENCE

LIFE16 ENV/IT/000220

### DURATION

01 July 2017 – 30 June 2019

### PROJECT LOCATION

Reggio Emilia (Italy)

### PROJECT WEBSITE

[www.lifedebay.eu](http://www.lifedebay.eu)

## PARTNERS



## CONTACTS

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