

Modernization of electric locomotives manufactured in Romania EL 5100 kW type

Project POS CCE- PA 2

Beneficiary : **SC SOFTRONIC SRL CRAIOVA**

Operation : O2.3.3 „**Promoting innovation in enterprises**”

Project period: 08.02.2010-07.02.2012

Contract ID -316

ERDF Project value = 1,589,686.55 lei

State budget value = 325,598.45 lei

Eligible co-financing =2,042,675 lei

Project eligible total value = 3,957,960 lei

General objective

Promoting innovation in SC Softronic SRL based RTD activities to develop a new product, substantially improved compared to the existing product, in order to manufacture and sell. In this way, the RTD results will be transferred into production.

Specific object

Upgrading Romanian electric locomotive (Electroputere Craiova) 5100kW type by changing the direct current motors in traction with asynchronous current motors and introducing a new command and control centralized system – LEM-CASCC. By upgrading works it will result a new locomotive with better technical and functional performances compared to the classic model, manufactured by ELECTROPUTERE, respectively:

- reduced maintenance costs;
- decreasing of specific electricity consumption (kW/tonne-km);
- increasing availability.

LEM-CASCC homologation will create the prerequisites for manufacturing a new electric locomotive. SC SOFTRONIC SRL will achieve a new electric locomotive that will meet the technical international standards.

Results from project achievement:

-New available jobs: 10 out of which 2 in research and development activity

Pictures relevant for the project: Transmontana locomotive prototype



Results of project sustainability Transmontana locomotive number 2

Tangible assets acquired by the project:



Mobile test stand



Bogies burn test stand



Results of project sustainability Transmontana locomotive number 3

