Project Information Sheet

Market introduction of a self-propelled bulk carriage (SELF PROP RAIL)

Programme area: CIP Eco-Innovation, First Application and market replication projects

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Website: http://www.selfproprail.eu/

Benefits (max. 150 characters incl. space): SELF PROP RAIL will bring to the market self-propelled bulk carriage designed for resource-efficient (re)construction of railway infrastructure.

Keywords: resource efficient, self-propelled, railway

Sector: Greening Business

Type of solution: Product

Duration: 28/08/2013 – 27/08/2015
Budget: € 889,386.00 (EU contribution: 50%)
Contract number: ECO/12/332951/Sl2.656700

Summary
Please summarise your project. The first paragraph should provide the essentials, giving key factual information of your project (what? to whom? where? how? when?). The following paragraphs should provide any complementary explanations necessary, and explain why the project is interesting and relevant

- Maximum of 1200 characters incl. space. Longer text will not be accepted.
- Use clear language; avoid jargon and acronyms (RES, RUE, CFLCs, EE etc.) wherever possible.
- Please do not simply copy/paste the summary, list of Work Packages or deliverables lists from your work programme.

SELF PROP RAIL contributes to enhancing resource-efficient (re)construction of railway infrastructure. In the project, the consortium aims to bring to the market a new, innovative self-propelled bulk carriage that does not need a locomotive for shuffling and moving during cargo unloading processes and at the same time can discharge required amounts of construction materials precisely where needed. The project aim is to obtain all certificates needed for the carriage’s market penetration, to develop the market strategy for the introduction of this innovative product, and to demonstrate the carriage’s efficiency and qualities in various situations via tests. Commercializing the self-propelled bulk carriage will result in fewer resources being deployed for railway construction and maintenance, with the possibility to replicate its use in other sectors, e.g. logistics. The consortium consists of 5 project partners that have expertise in key aspects of the project: technical solutions, testing, life-cycle analysis, marketing and project management. The project will be implemented in Croatia and its neighbouring countries, and the entire EU-28 is considered as the potential market.
**Expected and/or achieved results**

Please list the key outcome, impacts, expected uptake and potential market of your project

- **5 points maximum**, starting with the most important
- Be as short and concrete as possible, concentrating on figures and facts.
- Key outcome: removing the barriers for the market penetration of a self-propelled bulk carriage which increases resource efficiency and reduces negative environmental impacts during railway maintenance/construction.
- Impacts: Reduced resource needs (deployment of locomotives), energy consumption and pollutant emissions resulting from railway construction and reconstruction.
- Expected uptake: For the purpose of this project the future investments in (re)construction of the railways on the market of Southeast Europe have been taken into consideration. According to plans dating to 2015, 976.2 km of railway lines will be reconstructed and 327.8 km of new railway lines will be constructed. By 2015, the self-propelled carriages could be used in at least 10% of all railway construction activities, which would include the construction or reconstruction of 130 km of railway.
- Potential market: Southeast Europe is set as a target market since there are comprehensive plans for construction and reconstruction of the railways by 2015. However, our long-term potential market consists of the 370,000 km already built European railways that need reconstruction every 20 years.

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