Market introduction of a self-propelled bulk carriage

SELF PROP RAIL

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.

Benefits

SELF PROP RAIL will bring to the market self-propelled bulk carriage designed for resource-efficient (re)construction of railway infrastructure.

Results

- 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 327.8km 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.
## Partners and coordinator

<table>
<thead>
<tr>
<th>Partner Name</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADIONICA ZELJEZNICKIH VOZILA CAKOVEC d.o.o.</td>
<td>Croatia</td>
</tr>
<tr>
<td>ISTRAZIVACKO-RAZVOJNI INSTITUT KIRILO SAVIC a.d.</td>
<td>Serbia</td>
</tr>
<tr>
<td>SUPERNA d.o.o.</td>
<td>Croatia</td>
</tr>
<tr>
<td>ALTIUS d.o.o.</td>
<td>Slovenia</td>
</tr>
<tr>
<td>FAKULTET PROMETNIH ZNANOSTI</td>
<td>Croatia</td>
</tr>
</tbody>
</table>

## Contact

RADIONICA ZELJEZNICKIH VOZILA CAKOVEC d.o.o.  
KOLODVORSKA 6  
40000 CAKOVEC  
Croatia

### Contact point

Name: Mr. Dražen Vidović  
E-mail: rzv@rzv.hr  
Tel: +385 40 384 334

## Budget

Overall budget: 889,386,00 € (EU contribution: 50,00 %)

## Key documents

- Project Information Sheet  
PDF 107.73 KB

## In brief

Sector: Greening Business

Duration: 28/08/2013 to 27/08/2015

Contract number: ECO/12/332951

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

---


**Links**