NEOBALLAST

Project ID: 720491
Funded under: H2020-EU.2. - PRIORITY ‘Industrial leadership’
H2020-EU.3. - PRIORITY ‘Societal challenges’

New high-performant and long-lasting ballast for sustainable railway infrastructures

From 2016-06-01 to 2019-05-31, ongoing project | NEOBALLAST Website

Project details

<table>
<thead>
<tr>
<th>Total cost:</th>
<th>Topic(s):</th>
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<tbody>
<tr>
<td>EUR 2 274 625</td>
<td>FTIPilot-1-2015 - Fast Track to Innovation Pilot</td>
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<tr>
<th>EU contribution:</th>
<th>Call for proposal:</th>
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<tr>
<td>EUR 1 592 237,50</td>
<td>H2020-FTIPilot-2015-1 See other projects for this call</td>
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<tr>
<th>Coordinated in:</th>
<th>Funding scheme:</th>
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<tr>
<td>Spain</td>
<td>IA - Innovation action</td>
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Objective

NEOBALLAST is an innovative high-performance, long-lasting and eco-friendly ballast aggregate solution designed to overcome the two most important shortcomings of railway tracks: track degradation and noise and vibration emissions, whilst improving safety and customer service. The implementation of NEOBALLAST will improve the economic and environmental performance of European railway tracks, bringing important socio-economic benefits to the whole European society. As a suitable solution for both, new and existing railway lines, NEOBALLAST potential market extends to the whole European rail network (i.e. beyond 200,000km of lines), accounting for almost 20 million tonnes of new ballast every year, and a related turnover about 350M€.

In order to take this mature and proven technology, NEOBALLAST project joins industry partners from different sectors, covering the whole value-chain of NEOBALLAST, into a well-balanced and multidisciplinary team. The project has a business-driven approach, where actions are devised to solve those barriers that may difficult NEOBALLAST quick and extensive market up-take. In this sense, the main steps to attain a successful and effective market uptake are the development of a large-scale production technology to meet expected market demands, the demonstration and validation of NEOBALLAST in real working environment, an effective dissemination across Expert Panel groups to achieve a wide deployment and finally the IPR management, exploitation and commercialization of NEOBALLAST through the creation of a NEWCO constituted by all the project parents.

The management structure joins forces with an Advisory Committee that will provide the Consortium with an independent, end-user centric viewpoint to the direction and relevance of the work as the project. The Advisory Committee will be drawn from three Infrastructure Managers, track contractor organisations, technological platforms and three track expert members of the Academia.

Related information

Report Summaries

Periodic Reporting for period 1 - NEOBALLAST (New high-performant and long-lasting ballast for sustainable railway infrastructures)
Coordinator

COMSA SAU
CALLE VIRIATO 47
08014 BARCELONA
Spain
EU contribution: EUR 542,675

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

Participants

DYNAMICS, STRUCTURES AND SYSTEMS INTERNATIONAL NV
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EU contribution: EUR 405,125

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

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EU contribution: EUR 356,387,50

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

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EU contribution: EUR 197,925

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

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Spain
EU contribution: EUR 90,125

Activity type: Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation