RAIL COLAB

SERVICE



R&D PROJECTS AND FUNDING APPLICATIONS

R&D projects for the railway, from consortium to submission

We prepare applications to European and national programmes and take part in projects as a research partner.

WHAT WE DO

1 Building the consortium

We bring together the right partners for each application, from companies, universities and R&D centres in the sector.

2 Writing and submission

We write the application with the partners and handle the submission to the programme.

3 Research partner

We join the project as an R&D partner, working across our four research lines.

PROGRAMMES

- European programmes
- National programmes

FOR ✓ Associates ✓ Companies ✓ Public bodies

RESEARCH LINES

Sustainability

Energy management, resilient materials and eco-design of rolling stock and infrastructure.

Smart asset management and maintenance

Condition prognosis, maintenance supported by asset digitalisation, and decision support systems.

Digital platform for critical events

Digital twins with predictive capability, and detection and alerting of safety-critical events.

Communications and cyber security

More bandwidth, lower latency and more secure communications for railway applications.

CURRENT PROJECTS

WITH MEDWAY

Freight Laboratory Train

A freight wagon coupled to different trains, for tests in real operation.

PLATFORM

Innovation Hub

Projects, events and learning resources from the railway research community.

APP

RailTag

Identification and tracking of railway assets with NFC tags.

Have a project idea?

Talk to us: tell us the idea and the programme you want to apply to. We help you build the consortium and the application.

railcolab.pt/en/contact
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Talk to us

ABOUT RAIL COLAB

RAIL CoLAB, the Collaborative Laboratory for the Future Railway System, brings together companies, universities, R&D centres and sector associations. Each job can count on whoever knows the topic best.