LOCATE

Locomotive bOgie Condition mAinTEnance

**Funding:** European (Horizon 2020)
**Duration:** Nov 2019 - Oct 2021
**Status:** Ongoing
**Total project cost:** €1,499,073
**EU contribution:** €1,499,073

**Call for proposal:** H2020-S2RJU-OC-2019
**CORDIS RCN:** 226336

**Objectives:**
The LOCATE project will develop a set of tools to access the condition of freight locomotive bogies to implement a condition based maintenance program. It is the goal of LOCATE to contribute to an optimization of the availability of rolling stock, the quality of service, maintenance costs and return of investment.

The LOCATE project consortium is composed by 6 entities from 4 different countries, namely:
- **EVOLEO Technologies:** SME dedicated to the development of critical electronic systems;
- **IST Instituto Superior Técnico:** University and Research Centre
- **University of Huddersfield:** University and Research Centre
- **FGC Ferrocarrils de la Generalitat de Catalunya:** Railway Operator, Railway Infrastructure Manager, Railway Entity in charge of Maintenance, Research
- **UIC International Union of Railways:** International Association of Railways Operators and Infrastructure Managers
- **VIBRATEC:** SME dedicated to sensing technologies.

**Parent Programmes:**
H2020-EU.3.4. - Horizon 2020: Smart, Green and Integrated Transport

**Institute type:** Public institution
**Institute name:** European Commission
**Funding type:** Public (EU)

**Lead Organisation:**

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<th>Evoleo Technologies Lda</th>
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<tr>
<td><strong>Address:</strong></td>
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<tr>
<td>Rua Goncalo Mendes Maia 1350 1 H</td>
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<td>4425 656 Maia</td>
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<td>Portugal</td>
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<td><strong>EU Contribution:</strong> €245,500</td>
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**Partner Organisations:**

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<th>Vibratec</th>
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<td>28 Chemin Du Petit Bois</td>
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<tr>
<td>69131 Ecully</td>
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France

**EU Contribution:** €355,500

**Union International Des Chemins De Fer**

**Address:**
16 rue Jean Rey
75015 PARIS
France

**Organisation Website:**
http://www.uic.asso.fr

**EU Contribution:** €304,125

**Ferrocarrils De La Generalitat De Catalunya**

**Address:**
Els Vergós, 44
8028 Barcelona
Spain

**EU Contribution:** €181,250

**University Of Huddersfield**

**Address:**
QUEENSGATE
HUDDERSFIELD
HD1 3DH
United Kingdom

**Organisation Website:**
http://www.hud.ac.uk

**EU Contribution:** €192,916

**Instituto Superior Tecnico**

**Address:**
AVENIDA ROVISCO PAIS 1
1049-001 LISBOA
Portugal

**Organisation Website:**
http://www.ist.utl.pt

**EU Contribution:** €219,781

**Technologies:**

- Rail vehicle design
- Advanced rail bogies

**Development phase:** Research/Invention

**STRIA Roadmaps:** Other specified

**Transport mode:** Rail transport

**Transport sectors:** Freight transport

**Transport policies:** Other specified

**Geo-spatial type:** Other