

Environmental and Social Data Sheet

Overview

Project Name:	STUTT GART ROLLING STOCK & ERTMS
Project Number:	2020-0173
Country:	Germany
Project Description:	The project consists of retrofitting around 215 trainsets used for suburban rail services (S-Bahn) in the Stuttgart Region with European Railway Traffic Management System (ERTMS) and Automatic Train Operation (ATO) equipment.
EIA required:	No
Project included in Carbon Footprint Exercise ¹ :	No

Environmental and Social Assessment

The project consists of retrofitting 215 electric trainsets with ERTMS and ATO.

Retrofitting rail rolling stock does not fall under Annex I or Annex II of the Environmental Impact Assessment (EIA) Directive (2011/92/EU as amended by Directive 2014/52/EU). Therefore, no EIA is required for the project.

The retrofitted vehicles will be used for suburban passenger services (S-Bahn) in the Stuttgart Region (Germany). The ERTMS and ATO equipment will allow shorter train headway and by this means a 33% increase in infrastructure capacity. This in turn will allow a more intensive operation of the rolling stock, increasing the overall number of services provided on the network.

The project will respond to the growing demand for suburban rail services, increase their frequency, reduce overcrowding in rush hours, and by this means further increase their attractiveness. In the absence of such investments, the existing regional rail services would not be able to cope with the growing demand thus encouraging the use of private cars.

The ATO will allow some additional energy savings by means of optimisation of the driving modes.

Conclusions and Recommendations

The project is expected to increase the modal share of rail and have positive environmental impact in terms of safety, accessibility of transport, energy savings, air pollution, noise and CO₂ emissions.

The project is acceptable for EIB financing from an environmental and social perspective.

¹ Only projects that meet the scope of the Carbon Footprint Exercise, as defined in the EIB Carbon Footprint Methodologies, are included, provided estimated emissions exceed the methodology thresholds: 20,000 tonnes CO₂e/year absolute (gross) or 20,000 tonnes CO₂e/year relative (net) – both increases and savings.