R&D PROJECT

PARTNERS

SNCF	NRD
ADIF	KB
ATSA	OBB-Infra
MERMEC	ÖBB-PV
AZD	PRORAIL
CAF	NSR
CEIT	SMO
DB	GTSD
DLR	TRV
COMSA	Kontron
FT	SVT
FS	UITP
STS	GEOSAT
INDRA	SBB

BUSINESS AREA
Technical and Innovation R&D Area (COMSA INDUSTRIAL)

DURATION
2023-2026

FUNDING COMSA INDUSTRIAL:
448.076,25 €

FUNDING CONSORTIUM:
160.800.000,00 €

KEYWORDS
Railway, Digital technologies,

COORDINATOR
Manuel Alfageme
(COMSA Industrial)

UNIÓN EUROPEA

Title of the project

Rail to Digital automated up to autonomous train operation

Acronym

R2DATO

Project Content

The project “Rail to Digital and Automated Train Operations” (R2DATO) takes a different approach to meet the required increase in capacity while preserving robustness and reliability of the railway system: it proposes the implementation of ongoing and future innovations in digital of is and automation technologies for rail operation, developed in such a way that will allow infrastructure managers and railway undertakings to deploy them in a timely and cost-effective way

General objectives

Europe’s mobility challenges for the upcoming decades, mentioned in the Europe’s Rail Master Plan and the Europe’s Multi Annual Work Plan2 (MAWP), and urgent need for improvement of the European rail transport backbone, triggered the R2DATO consortium partners to join forces and capabilities to propose innovative technologies, agile methods, and deployment strategies to meet these challenges through the digitalization and automation of Europe’s rail system.

Project phases

- General
- Automation Processes
- Optimized Headway
- Digital Enabling Technologies
- Fast and Effective Deployment
- Test and Certification
- Demonstrators
- Innovative Operational Solutions

Results and conclusions

Ongoing project