



RINA certification

Marine & Yachting

Oil & Gas

Power Generation

Infrastructure & Real Estate

Public Administration

Welfare

Food and Catering

Transport, Ports and Logistics

Manufacturing

Other Sectors

Railway Department





the market

Acting as international Ship Classification and Industrial Certification Body since 1861, RINA provides professional services dedicated to:

- railway and infrastructure managers
- rolling stock and equipment suppliers
- maintenance entities.

In the Railway and Mass Transit field, RINA relies on the competencies of experts for the main transport network subsystems and components (Rolling Stock and Vehicles, Signalling and Traffic Control, Telecommunications, Power Supply, Infrastructure) as well as for issues related to Operations, Safety and Maintenance.

T e c h n i c a l s e r v i c e s

RINA can deliver various types of certificates and assessments, attesting compliance with the requirements laid down in the relevant regulations and contractual documents. For these purposes, **RINA** has a network of qualified laboratories through which tests on the different subsystems can be carried out.

■ EC Verification as Notified Body

EC Verification assessments consisting of Type Examination, Production Quality Management System and Full Quality Management System related to the relevant TSIs (Technical Specifications for Interoperability) requirements, following the provisions laid down in the Directive 2008/57/EC (interoperability of the high-speed and conventional rail systems within the European Community).

■ Functional and safety assessments as Independent Safety Assessor

Assessments consisting of Project Examination, Laboratory and Field Tests according to national and international regulations.

■ Test

Control-command and Signalling

- ETCS constituent (Eurobalise, Encoders, etc.)
- Eurobalise programming and diagnostic tools
- On board ETCS and Signalling equipment
- GSM - R networks and mobile terminals

Rolling Stock

Static and on track tests (dynamic behaviour, braking performances, harmonics).

■ Inspection

Technical and expediting support during construction of transportation systems, vehicles and railway equipment.

■ Technical Workshop

ERMTS specification, safety architectures, V&V processes and CENELEC Norms EN50126/EN50128/EN50129, assessment and functional tests procedures.

Railway Department

Technical services

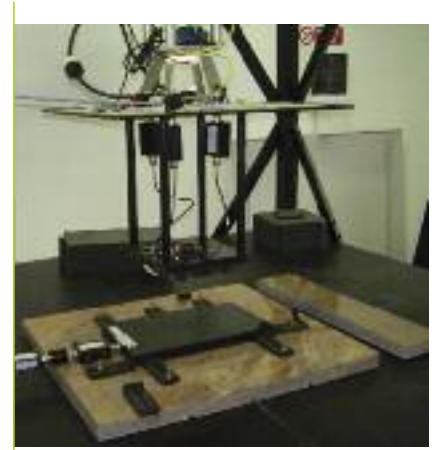
Accreditations

According to decree 191/2010 implementing Directive 2008/57/EC, **RINA** is accredited by the Italian Ministry of Infrastructures and Transport as a Notified Body to assess the conformity or suitability for use of the interoperability constituents both in the high-speed rail sector and in the conventional rail sector, as well as to carry out the EC verification procedure for all the subsystems:

- Infrastructure
- Energy
- Control-command and signalling
- Operation
- Rolling stock
- Maintenance
- Telematic applications for passenger and freight services.

RINA is accredited by the Italian NSA (National Safety Authority) as an Independent Safety Assessor.

RINA is accredited by the accreditation body ACCREDIA for certification of products according to UNI CEI EN-45011:1999.



**Infrastructure Managers,
Railway Undertakings
and Institutions**

Manufacturers

Main References

ATAC	LTF (Lyon – Turin Ferroviare)
BBT (Brenner Basistunnel)	NIF (Nemzeti Infrastruktúra Fejleszt)
ERA (European Railway Agency)	NTV
Ferrovie Adriatico Sangritana	RFI (Rete Ferroviaria Italiana)
Ferrovie Circumvesuviana	SITFA
Ferrovie Nord Milano	SNCF
GTT	Trenitalia
Le Nord	

ROLLING STOCK	SIGNALLING & TLC	POWER SUPPLY & INFRASTRUCTURE
Alstom	Alstom	BBRail
AnsaldoBreda	Ansaldo STS	GMC
Bombardier	Bombardier	Isoelectric
CAF	Center Systems	Lucchini
Corifer	GETS	Sirti
Faiveley	MerMec	
Isoclina	NEC	
Lucchini	Selex	
MerMec	Sigma	
Plasser		
SIEMENS		
Stadler		

RINA: 150 years of service

RINA is one of the oldest classification societies and certification companies in the world. Established in Genoa in 1861 to serve the marine industry, today it spans the globe as a multinational and multi-faceted company, sharing its knowledge and experience through a wide range of services which help industries and the community to improve their businesses and quality of life. RINA's services cover the environment, energy, transportation, logistics, safety, quality and social responsibility.

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