



ANIE ASSIFER

Italian Railway Industry

ANIE FEDERATION

ANIE is the Italian Federation representing the **Electrical Engineering & Electronic Industry** operating in Italy. Since 1945 ANIE is an active and recognized interlocutor for the Stakeholders addressing framework policies in Italy and abroad and offers to Member Companies a platform where they can confront with a whole community of industries.

ANIE represents the following industrial sectors: Traditional Power Generation, Power Transmission and Power Distribution, Power solution for infrastructure, industry and transports, Renewable Energy, **Electrified Transports**, Lifts and Escalators, Lighting, Cables, Components and Devices for Electrical Installations, Electronic Components, Factory and Process Automation, Security, Fire Safety and Building Automation, General Contractor of Industrial Plant Engineering, Private Security Services.

over **1.300** member **companies**

500.000 employees

76 billion € of turnover

5% of turnover in R&D

ANIE FEDERATION

LIFT AND ESCALATOR



FACTORY AND PROCESS AUTOMATION



INSULATED CABLE AND WIRE INDUSTRY



COMPONENTS AND DEVICES FOR ELECTRICAL INSTALLATIONS



ELECTRONIC COMPONENTS



ENERGY INDUSTRY



LIGHTING MANUFACTURING



INDUSTRIAL PLANT ENGINEERING



RAILWAY INDUSTRY



ENERGY, TRANSPORT AND COMMUNICATION NETWORK



RENEWABLE ENERGY INDUSTRY



SECURITY, ELECTRONIC FIRE SAFETY AND BUILDING AUTOMATION



SURVEILLANCE AND SECURITY SERVICES



ANIE ASSIFER

ANIE ASSIFER, Association of Railway Industries, represents companies operating in Italy that design, manufacture and install the most innovative technologies worldwide for **railway transport and urban public electrified transport** (subway, tram). ANIE ASSIFER is divided into three sectors:

- ✓ **Rolling Stock**, train, locomotives, subway, tram (complete vehicles and related components)
- ✓ **Signalling & Tlc**, for traffic control and safety
- ✓ **Electrification**, for power supply and electric traction

141 member companies

18.000 employees

4,5 billion € of turnover

1,1 billion € of export

THE ITALIAN ELECTRIFIED TRANSPORT INDUSTRY

	2019	2020	2021	2020/2019	2021/2020
	million euro			annual rate of change	
INTERNAL MARKET	3.912	4.060	4.188	3,8	3,2
TURNOVER	4.266	4.365	4.500	2,3	3,1
EXPORT	1.154	1.113	1.113	-3,5	0,0
IMPORT	800	808	802	1,0	-0,8
TRADE BALANCE	354	305	312		

Piemonte

ALSTOM FERROVIARIA SPA
 BLUE ENGINEERING SRL
 CANAVERA & AUDI SPA
 FAIVELEY TRANSPORT ITALIA SPA
 IMA TEQ ITALIA SRL
 LA CELSIA DI ELISA BACCHETTA & C SAS
 TECNIKABEL SPA
 TECNO SYSTEM SPA

Liguria

AM GENERAL CONTRACTOR SPA
 IGM SRL
 POSEICO SPA
 RGM SPA
 SEGULA TECHNOLOGIES ITALIA SRL
 SITAV SPA
 SIX ITALIA SPA

Toscana

BORRI SPA
 ELETTRMECCANICA P.M. SRL
 INTERSYS SRL
 IRMIE IMPIANTI SRL
 KNORR-BREMSE RAIL SYSTEMS ITALIA SRL
 LAPI SPA
 LCI ITALY SRL
 OMBRE-1 SRL
 OMS FERROVIARIA SRL
 SVI SPA

Lombardia

ABB SPA BUSINESS AREA MOTION
 ARCOBALENO MULTISERVICE SRL
 CZ LOCO ITALIA SRL
 KIEPE ELECTRIC SRL
 LUCCHINI RS SPA
 METALLURGICA BRESCIANA SPA
 MICROELETTRICA SCIENTIFICA SPA
 RADIALL ITALIA SRL
 ROXTEC ITALIA SRL
 S.P.I.I. SPA
 SIEMENS MOBILITY SRL
 SIEMENS SPA
 SOCEB SRL
 TACK SYSTEM SRL

Emilia Romagna

A.F. FRIGO CLIMA IMPIANTI SRL
 SADEL SPA

Trentino Alto Adige

ICOTEK ITALIA SRL

Friuli Venezia Giulia

FISA SRL

Veneto

F.LLI AMADIO SPA
 IMET SRL
 MIOS ELETTRONICA SRL
 MITSUBISHI ELECTRIC KLIMAT
 TRANSPORTATION SYSTEMS SPA
 MULTI RAIL SRL
 SECHERON HASLER ITALIA SRL
 UNIKA SPA
 Z LAB SRL

Marche

RIVACOLD SRL

Lazio

CAF ITALIA SRL
 FER IMPIANTI SRL
 MESAR SRL
 SO.CO.FER. SRL

Campania

ANSALDOBREDA SPA
 CONTACT SRL
 EL.CA. SPA
 EUROS SRL
 FERRAIOLI & C. SRL
 HITACHI RAIL STS SPA
 PRODUCTION GROUP SRL
 RAILWAY WINDOWS SRL
 T.M.C. SRL
 TITAGARH FIREMA SPA

Sicilia

OMER SPA
 PTF SRL

MEMBER COMPANIES Rolling Stock



Piemonte

ALPITEL SPA
ALSTOM FERROVIARIA SPA
ANZANO SRL COSTRUZIONE E
IMPIANTI
CETIP SRL
COL GIOVANNI PAOLO SPA
EL.VET. SRL
S.I.F.EL. SPA
TECNIKABEL SPA
TECNO SYSTEM SPA
TEKFER SRL

Liguria

AM GENERAL CONTRACTOR SPA
RGM SPA
SEGULA TECHNOLOGIES ITALIA SRL

Toscana

C.E.M.E.S. SPA
CEG ELETTRONICA INDUSTRIALE SPA
ELETTRI-FER SRL
GROUND TRANSPORTATION SYSTEMS
ITALIA SRL
IRMIE IMPIANTI SRL
LEF SRL
LORENZO DEL CARLO SPA
PROGRESS RAIL SIGNALING SPA
S.I.C.E. SRL
SVI SPA
TE.SI.FER. SRL

Lombardia

ABB SPA BUSINESS AREA MOTION
AESYS SPA
BONOMI EUGENIO SPA
COET SPA
COLAS RAIL ITALIA SPA
E.T.A. SPA
ESA SPA
FIDA SRL
IMEQUADRI DUESTELLE SPA
INEO SCLE FERROVAIRE
M. PAVANI SEGNALAMENTO
FERROVIARIO SRL
MERMECSTE SRL
MICROELETTRICA SCIENTIFICA SPA
MONT-ELE SRL
NEXANS ITALIA SPA
POLOMARCONI.IT SPA
RADIALL ITALIA SRL
ROXTEC ITALIA SRL
SCHNEIDER ELECTRIC SPA
SICEL SRL
SIDONIO SPA
SIEMENS MOBILITY SRL
SIEMENS SPA
STAMPERIA CARCANO GIUSEPPE SPA
SYSNET TELEMATICA SRL
VALTELLINA SPA

Emilia Romagna

DUCATI ENERGIA SPA
SITE SPA

Lazio

ATLANTE CONSORZIO STABILE SCARL
CRONOS SISTEMI FERROVIARI SRL
DYNASTES SRL
EURO FERROVIARIA SRL
EVOFER CONSORZIO
EVOLUZIONE FERROVIARIA
FANTASIA SRL
FEME SRL
FER IMPIANTI SRL
GCF SPA
INTECS SOLUTIONS SPA
MARINI IMPIANTI INDUSTRIALI SPA
MORELLI GIORGIO SRL
SALCEF SPA
SILSUD SRL

Campania

C.EMME IMPIANTI SRL
COMESVIL SPA
ENERGEIA SRL
EREDI GIUSEPPE MERCURI SPA
EUROS SRL
HITACHI RAIL STS SPA
KAM COSTRUZIONI SRL
MEDITEL SRL
S.I.I.P. SRL
SIMEC SISTEMI SRL
TECHNE SRL
TEKNO KONS INNOVATION SRL

Veneto

AD.EL SRL
CINEL OFFICINE MECCANICHE SPA
TELEFIN SPA
TREVISAN SRL
Z LAB SRL

Marche

FDT SRL

Abruzzo

CEIE CLAMPS SRL
CIRCET ITALIA SPA
OROFINO COSTRUZIONI SRL

Puglia

AET SRL
MERMEC SPA

Calabria

ESPERIA SRL

Sicilia

PTF SRL
SIELTE SPA

MEMBER COMPANIES

Signalling and Electrification



ANIE ASSIFER

The Association **develops activities** and **is in relationship with**:

- ✓ Customers and market operators (particularly Ferrovie dello Stato Italiane Group)
- ✓ Ministry of Infrastructure and Transport (MIT)
- ✓ Italian Regulation Authority of Transport (ART)
- ✓ Italian National Rail Safety Agency (ANSFISA)
- ✓ European institutions (UNIFE, Association of European Railway Industries)
- ✓ National and International Standardisation Committee (CEI, UNI, CEN, CENELEC, ISO, IEC)
- ✓ Other Italian Associations and Institutions

BOARD ANIE ASSIFER

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HITACHI RAIL STS SPA

PRESIDENT of SME's GROUP
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LEF SRL

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SPII SPA

VICE PRESIDENT
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Signalling & Tlc

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HITACHI RAIL STS SPA

MANAGER
Electrification

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C.E.M.E.S. SPA

ROLLING STOCK

ANIE Assifer companies are involved in supplying new rolling stock for the **regional fleet's** renovation

On this side, the main products are:

- Trenitalia's **Rock** train (ETR 421/521/62), produced and supplied by **Hitachi Rail STS**
- Trenitalia's **Pop** train (Coradia Stream), produced and supplied by **Alstom Ferroviaria SPA**

The same trains are being supplied also to regional operators.



Rock, Hitachi Rail STS



Pop, Alstom Ferroviaria SPA

GREEN SOLUTIONS

Blues (HTR.312/412), Hitachi Rail



Technical data sheet and main features:

- Doubledeck with 3 or 4 cars
- Bidirectional
- Hybrid traction: electric (3kV)/diesel/power batteries
- Equipped with ERTMS on-board system
- Maximum speed: 160 km/h
- 3-car version (HTR.312): 219 seats
- 4-car version (HTR.412): 300 seats
- Compliant with the Technical Specifications for Interoperability (STI)

GREEN SOLUTIONS

Hydrogen-powered Coradia Stream, Alstom Ferroviaria



Technical data sheet and main features:

- Single deck with 4 cars
- Hydrogen traction
- Bidirectional
- Maximum speed: 140 km/h
- Autonomy: 600 km
- Seats: 240-260
- Total seats: 496-516
- Equipped with SCMT+SSC on-board system
- Compliant with the Technical Specifications for Interoperability (STI)

SIGNALING – ERTMS IMPLEMENTATION

The PNRR generated massive investments in the railway sector also on the railway infrastructures side, mainly pointed at implementing the **ERTMS signaling technology** across the Italian railway network.

Assifer companies, being the only **suppliers** in this field, are directly involved in the implementation of such a strategic and fundamental system, which will revolutionize the entire Italian railway network.

Until now, contracts amounting to a total of **3.2 billions have been awarded** for the implementation of the European traffic Management System (**ERTMS**)

SIGNALING – ERTMS IMPLEMENTATION

BUYER	DESCRIPTION	CONTRACTOR	VALUE	SIGNING DATE
RFI	AQ for the implementation of the ERTMS system LOT 1	HITACHI RAIL STS SPA ALSTOM FERROVIARIA SPA	500.000.000,00 €	04/02/2022

BUYER	DESCRIPTION	CONTRACTOR	VALUE	SIGNING DATE
RFI	AQ for the implementation of the ERTMS system LOT 1 North-Center *	HITACHI RAIL STS SPA PROGRESS RAIL SIGNALLING SPA MER MEC STE SRL INFRA TECH CONSORZIO STABILE S.C.A.R.L. ATLANTE S.C.P.A.	1.300.000.000,00 €	17/10/2022
RFI	AQ for the implementation of the ERTMS system LOT 2 South-center *	ALSTOM FERROVIARIA SPA	900.000.000,00 €	17/10/2022
RFI	AQ for the implementation of the ERTMS system LOT 3 Center *	MER MEC STE SRL SALCEF SPA	323.000.000,00 €	27/09/2022
RFI	AQ for the implementation of the ERTMS system LOT 4 South *	PROGRESS RAIL SIGNALING SPA EREDI GIUSEPPE MERCURI SPA MORELLI GIORGIO SRL ESIM SRL GUASTAMACCHIA SRL	251.000.000,00 €	17/10/2022



HEADQUARTERS ANIE ASSIFER

Viale Vincenzo Lancetti, 43 - 20158 Milano

Email: assifer@anie.it

Tel: +39 02 3264249/303

Secretary: Francesco Iannello

Assistant: Francesco Frattolillo

Valentina Silecchia

Technical Secretary: Daniele Bozzolo



Web Site Assifer: www.assifer.anie.it

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