



# 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 **1.400** member **companies**

**500.000** employees

**76 billion €** of turnover

**4%** 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, manufacturer and install technologies most innovative in the world for **railways 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	
<b>INTERNAL MARKET</b>	<b>3.912</b>	<b>4.060</b>	<b>4.188</b>	<b>3,8</b>	<b>3,2</b>
<b>TURNOVER</b>	<b>4.266</b>	<b>4.365</b>	<b>4.500</b>	<b>2,3</b>	<b>3,1</b>
<b>EXPORT</b>	<b>1.154</b>	<b>1.113</b>	<b>1.113</b>	<b>-3,5</b>	<b>0,0</b>
<b>IMPORT</b>	<b>800</b>	<b>808</b>	<b>802</b>	<b>1,0</b>	<b>-0,8</b>
<b>TRADE BALANCE</b>	<b>354</b>	<b>305</b>	<b>312</b>		

### 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 FERROVIAIRE  
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

**PRESIDENT**  
**Michele Viale**

ALSTOM FERROVIARIA SPA

**PAST PRESIDENT**  
**Giuseppe Gaudiello**

HITACHI RAIL STS SPA

**PRESIDENT of SME's GROUP**  
**Massimo Baldini**

LEF SRL

**VICE PRESIDENT**

*innovation and research for  
signalling & tlc*

**Lucio Castrica**

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**VICE PRESIDENT**

*components for rolling stock*

**Roberto Foiadelli**

SPII SPA

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*passenger transport*

**Arcangelo Fornelli**

HITACHI RAIL STS SPA

**VICE PRESIDENT**

*infrastructure*

**Giuseppe Ghilardi**

COLAS RAIL ITALIA SPA

**VICE PRESIDENT**

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organizations*

**Simone Mantero**

KNORR-BREMSE RAIL SYSTEMS  
ITALIA SRL

**MANAGER**  
**Rolling Stock**

**Marco Barale**

ALSTOM FERROVIARIA SPA

**MANAGER**  
**Signalling & Tlc**

**Giancarlo Oddone**

HITACHI RAIL STS SPA

**MANAGER**  
**Electrification**

**Roberto Madonna**

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



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**Valentina Silecchia**

**Technical Secretary: Daniele Bozzolo**



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