



FEDERAZIONE NAZIONALE
IMPRESE ELETTROTECNICHE
ED ELETTRONICHE



ANIE ASSIFER

ITALIAN RAILWAY INDUSTRY ASSOCIATION

GIUSEPPE GAUDIELLO
PRESIDENT

**SEIZING NEW OPPORTUNITIES IN THE RAILWAYS SECTOR
WITH TURKISH EPC CONTRACTORS
22 SEPTEMBER 2021**



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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.



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ANIE FIGURES

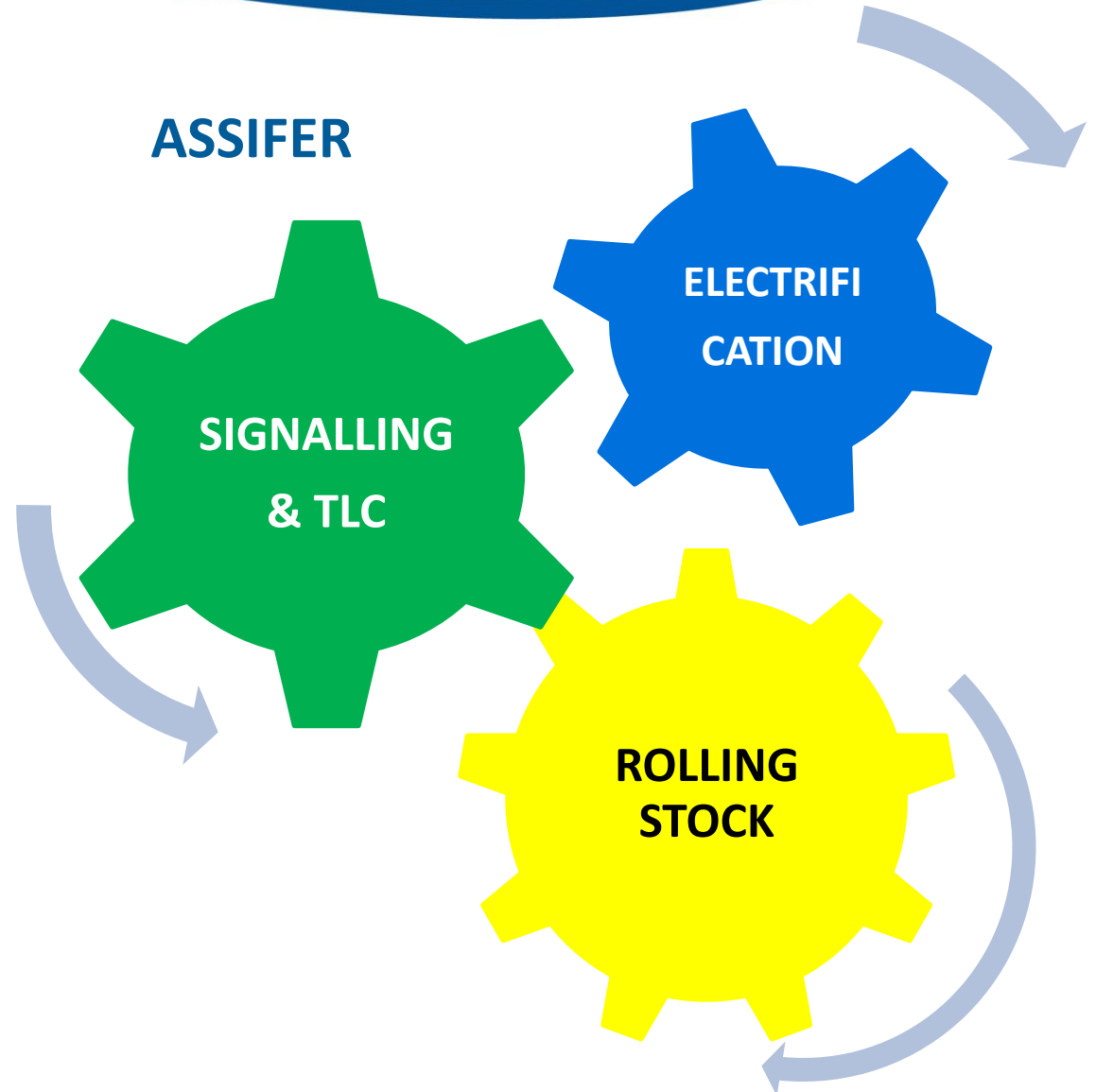
over 1,400
member
companies

500,000
employees

79 billion €
of
turnover

4% of
turnover
in R&D

ASSIFER represents companies operating in Italy in the field of **railways transport** and **urban public electrified transport** (metro, tram) for the construction of vehicles, components and systems for the sectors.





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ASSIFER FIGURES

**136 member
companies**

**15,000
employees**

**4.4 billion €
of turnover**

**1 billion €
of export**



THE ITALIAN ELECTRIFIED TRANSPORT INDUSTRY

	2018	2019	2020	2019/2018	2020/2019
	million euro			annual rate of change	
Internal Market	3,289	3,912	4,060	19.0	3.8
Turnover	3,905	4,266	4,365	9.2	2.3
Export	1,305	1,154	1,113	-11.6	-3.5
Import	689	800	808	16.2	1.0
Trade Balance	616	354	305		

Source: ANIE figures 2020



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ASSIFER

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

- ✓ Customers and market operators (particularly Ferrovie dello Stato Italiane Group)
- ✓ Ministry of Infrastructure and Sustainable Mobility (MIMS)
- ✓ 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

Piemonte

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

Liguria

AM GENERAL CONTRACTOR SPA
BOMBARDIER TRANSPORTATION ITALY SPA
HITACHI RAIL STS SPA
IGM SRL
POSEICO SPA
RGM SPA
SEGULA TECHNOLOGIES ITALIA SRL
SITAV 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

Campania

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

Lazio

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

Sicilia

OMER SPA
PTF SRL

Basilicata

PSC SPA

Marche

RIVACOLD SRL

ROLLING STOCK



Lombardia

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

Friuli Venezia Giulia

FISA SRL

Veneto

F.LLI AMADIO SPA
HASLERRAIL ITALIA SRL
IMET INDUSTRIA MERIDIONALE EQUIPAGG. TRASPORTI SRL
MIOS ELETTRONICA SRL
MITSUBISHI ELECTRIC KLIMAT TRANSPORTATION
SYSTEMS SPA
MULTI RAIL SRL
UNIKA SPA
Z LAB SRL

Emilia Romagna

A.F. FRIGO CLIMA IMPIANTI SRL
SADEL SPA
WEGH GROUP SPA

ROLLING STOCK

High Speed Trains	Electric, Electronics, Electromechanics Supply and Assembly
Regional Trains	Electrical and Electromechanical Devices
Metro and Tram	Electrical Cabinets and Panels
Locomotives	Electronic On-Board Systems
Other vehicles for infrastructure	Electronic Systems Design
Bogie System and Components	Fire Protection Systems
Brake & Compressor System	Interiors
Chasing & Car Body System	Mechanical, Pneumatic and Hydraulic Systems Supply and Assembly
Mechanical Components	Metal Carpentry
Shock absorbers	On-Board Diagnostics Systems
Wagon and Part Production	On-board networking and telecommunication systems
Wheel Axle System	On-Board Sensors
Traction System	Passenger Information Systems
Pantographs	Revamping & Retrofitting
Door Systems	Semiconductor
Windows	Sensor and transducers
Painting, Surface Treatment and Anti-Graffiti Film	Spare Parts
Air Conditioning Systems	Static Power Converters
Automatic Coupler System	Maintenance & Repair
Auxiliary Power System & UPS	Engineering & Design
Cables & Wires	Test Benches
Driver desks and components	Test Laboratory

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
TECNO SYSTEM SPA
TEKFER SRL

Liguria

AM GENERAL CONTRACTOR SPA
BOMBARDIER TRANSPORTATION ITALY SPA
HITACHI RAIL STS SPA
RGM SPA
SEGULA TECHNOLOGIES ITALIA SRL

Toscana

C.E.M.E.S. SPA
CEG ELETTRONICA INDUSTRIALE SPA
COMESA SRL
ECM SPA
ELETTRI-FER SRL
IRMIE IMPIANTI SRL
LEF SRL
LORENZO DEL CARLO SPA
S.I.C.E. di Rocchi Roberto & C. SNC
SVI SPA
TE.SI.FER. SRL
THALES ITALIA SPA

Lazio

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

Basilicata

PSC SPA

SIGNALLING & TLC and ELECTRIFICATION



Campania

COMESVIL SPA
ENERGEIA SRL
EREDI GIUSEPPE MERCURI SPA
FERONE PIETRO & C. SRL
MEDITEL SRL
S.I.I.P. SRL
SIMEC SISTEMI SRL
TECHNE SRL

Calabria

ESPERIA SRL

Marche

FDT SRL

Puglia

AET SRL
ESIM SRL
MERMEC SPA

Sicilia

SIELTE SPA
PTF SRL

Veneto

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

Lombardia

ABB SPA
BONOMI EUGENIO SPA
CARLO GAVAZZI AUTOMATION SPA
COET SPA
COGET IMPIANTI SPA
COLAS RAIL ITALIA SPA
E.T.A. SPA
ESA SPA
IMEQUADRI DUESTELLE SPA
INEO SCLE FERROVIAIRE
M. PAVANI SIGNAL. FERROVIARIO SRL
MERMECSTE SRL
MICROELETTRICA SCIENTIFICA SPA
MONT-ELE SRL
POLOMARCONI.IT SPA
ROXTEC ITALIA SRL
S.T.E. 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
WEGH GROUP SPA

Abruzzo

CEIE CLAMPS SRL
CEIT SPA
OROFINO COSTRUZIONI SRL

INFRASTRUCTURE & SIGNALLING

Electronic interlocking	Cyber Security
Electromechanical interlocking	Traffic Management Systems
Signalling wayside activities	Safety Data Transmission systems (TDS)
Track circuits	Maintenance for signalling
Axle counter	SCADA systems
Led signals	Hot box detection system
Point Machines	Systems for Tunnel Emergency
Level crossing & Level crossing monitoring systems	Fire detection systems
Automatic Train Protection systems wayside/onboard (SCMT/ERTMS L1)	Antintrusion systems
Automatic Train Control Systems wayside/onboard (ERTMS L2)	Airconditioning System (HVAC)
Automatic Train Operating (ATO)	Installation/Maintenance of signalling systems and/or the relative components/devices/subsystems
CBTC systems	Installation/Maintenance of telecommunication systems and/or the relative components/devices/subsystems
Automatic Block (BACC /Bacf)	SW & HW Development
Power Systems	V&V activities, RAMS, FTA, FMEA Analysis
Energy Distribution Systems	Simulators
Cabinet - Panel Production	Signalling Design
Telecommunication	Telecommunication Design
Ticketing & Turnstile Systems	Installation design
Security System	Commissioning

INFRASTRUCTURE & ELECTRIFICATION

Engineering & Consultancy	Maintainance Activities
Construction Direction	Systems for Galleries
Construction Works	Steel Construction
HV & MV Power supply	Substations
Catenary works - New Electrifications 3 kV	Equipment for cabinet
Catenary works - New Electrifications 25 kV	Equipments for substations
Catenary works - Renewal of Electrifications 3 kV	Equipment for catenary
Catenary works - Renewal of Electrifications 25 kV	Systems for lightning
Electrical Works	Vehicle & Equipment Test
Cable System & Harness	Rigid catenary overhead solutions (ROCS)
Power Systems	SCADA - Supervision systems
Energy Distribution Systems	Pantograph Inspection System (3D)
Cabinet - Panel Production	System for wear and catenary polygonation measurement
Security System	System for arches, contact forces and current collection measurement



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BOARD ASSIFER

PRESIDENT

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HITACHI RAIL STS SPA

PAST PRESIDENT

Maurizio Manfellotto

HITACHI RAIL STS SPA

PRESIDENT of SME's GROUP

Alessandro Beccarisi

SIL SUD SRL

VICE PRESIDENT

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Roberto Madonna

C.E.M.E.S. SPA



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THANKS FOR YOUR ATTENTION

GIUSEPPE GAUDIELLO