Excellence in Metal Engineering Since 1969

Founded in 1969 in Moncalieri (Turin, Italy),
Ciemmebi Srl has become a benchmark in metal engineering.

Our Locations:

- **Headquarter**: Moncalieri (Turin), Italy - Engineering excellence since 1969
- **North American Branch**: Buffalo NY , US – Strategic hub for U.S. and Canadian Clients

our website www.ciemmebi.com

Our Core Services

Sheet Metal Processing
- Punching, Bending, Laser Cutting
- Welding, Assembly, Thermal Treatments

Engineering & Co-Design
- Product development in co-design with customers
- Customized Products
- CATIA workstations for 3D modeling & optimization

CNC & Robotic Technology
- CNC Machining for precision manufacturing
- Robotic Welding for speed and consistency

Quality & Technical Support
- In-house technical consulting
- Prototyping, testing, and feasibility analysis

Industries Served

Ciemmebi provides customized solutions across multiple industries:
Railway (Core Business) - Automotive - Aerospace - Electronics - Construction

Our principal Customers

ALSTOM

Faiveley Transport
A Wabtec Company

HITACHI
Hitachi Rail Italy SpA

ABB

BOMBARDIER

LEONARDO

Some of our projects in North America:

- **Buffalo NY metro fleet**
- **Honolulu metro-driverless**
- **Miami-Dade metro revamping**
- **Baltimore metro new fleet (on going)**

- **Washington metro new rails car /WMATA project (starting in 2026)**

Furthermore, Ciemmebi will be involved for the new project of :

- **Ontario Line metro extension , Toronto**

Certifications

ISO 9001: Quality Management System certified by Lloyd's Register Quality Assurance (LRQA).

IRIS (International Railway Industry Standard): Global standard for the railway sector.

UNI EN 15085-2: Quality requirements for welding of railway vehicles and components.

RINA Certifications: Recognized worldwide to ensure compliance, safety, sustainability, and process quality.

Our Quality System Certifications

IRIS™ Certification

C E R T I F I C A T E

awarded to

CIEMMEBI SRL
STRADA CARPICE 37 int. Viale degli Artigiani 1/3/5
10024, MONCALIERI (TO)
Italy

RINA Services S.p.A.

confirms, as an IRIS Certification™ approved certification body, that the Managemen
above organization has been assessed and found to be in accordance with

IRIS Certification™ rules:2017
and based on
ISO/TS 22163:2017

for the activity of Manufacturing

for the scope of certification: 20 (Components related to special process w
LAVORAZIONI MECCANICHE, COSTRUZIONE STRUTTURE E COMPONENTI ROTABILE E FE
LAVORAZIONE LAMIERE SECONDO SPECIFICHE DEL CLIENTE . MECHANICAL WORKING
STRUCTURES AND COMPONENTS AND RAILWAY ROLLING STOCK, ACCORDING TO CL
SPECIFICATIONS SHEET-METAL

Certificate valid from: 10/10/2017 Certificate valid unt

Current date: 10/10/2017
Certificate-Register-No: 82/14/IRIS

RINA

CERTIFICATO N. **31370/14/S**
CERTIFICATE No.

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITÀ DI
IT IS HEREBY CERTIFIED THAT THE QUALITY MANAGEMENT SYSTEM OF

CIEMMEBI S.R.L.

VIA MAGENTA, 57 10128 Torino (TO) ITALIA

NELLE SEGUENTI UNITÀ OPERATIVE / *IN THE FOLLOWING OPERATIONAL UNITS*

VIA MAGENTA, 57 10128 Torino (TO) ITALIA

È CONFORME ALLA NORMA / *IS IN COMPLIANCE WITH THE STANDARD*
ISO 9001:2015

PER I SEGUENTI CAMPI DI ATTIVITÀ / *FOR THE FOLLOWING FIELD(S) OF ACTIVITIES*

LAVORAZIONI MECCANICHE E COSTRUZIONE DI STRUTTURE METALLICHE PER IL SETTORE FERROVIARIO, MILITARE, CIVILE ED INDUSTRIALE SU SPECIFICA DEL CLIENTE.

MACHINING AND CONSTRUCTION OF STEEL STRUCTURES FOR THE RAILWAY, MILITARY, CIVIL AND INDUSTRIAL SECTORS TO CUSTOMER SPECIFICATIONS.

La validità del presente certificato è subordinata a sorveglianza periodica annuale / semestrale ed al riesame completo del sistema di gestione con periodicità triennale
The validity of this certificate is dependent on an annual / six monthly audit and on a complete review, every three years, of the management system
L'uso e la validità del presente certificato sono soggetti al rispetto del documento RINA: Regolamento per la Certificazione di Sistemi di Gestione per la Qualità
The use and validity of this certificate are subject to compliance with the RINA document : Rules for the certification of Quality Management Systems

Prima emissione *First Issue*	31.10.2014	Data decisione di rinnovo *Renewal decision date*	19.01.2018
Data scadenza *Expiry Date*	30.10.2020	Data revisione *Revision date*	19.02.2018

Our Welding process Certifications

IIS - Founding Member of

EWF

IIS CERT

Certificato numero: 29 R

Certificate number

Si certifica che la Società
We hereby certify that the Company

CIEMMEBI S.R.L.

Unità operativa / *Branch*

STRADA CARPICE, 37 - FRAZ. INT. V. DEGLI ARTIGIANI 1/3 - 10024 MONCALIERI(TO)

E' certificata per la saldatura al livello / *Is certified for welding under certificati*

CL1

in accordo a UNI EN 15085-2 / *according to EN 15085 - 2*

Campo di applicazione / *Field of application* :

Gruppi e sottogruppi per veicoli ferroviari.
New build assembly and subassembly of rail vehicles .

La presente certificazione è conforme alle linee guida ANSF per il riconoscimento degli Organis
Certificazione delle Aziende che operano nel settore della saldatura dei rotabili ferroviari o parte
conformità alle norme UNI EN 15085.
This certification is according to the ANSF guidelines for the accreditation of Certification Bodies for Companies that are a
of railway vehicles or any part of them in accordance with the UNI EN 15085

Campo di validità, vedi allegato / *See annex for range of certification.*

Coordinatori di saldatura, vedi allegato / *See annex for welding coordinators.*

L' Organo Deliberante

Il Di

Prima emissione / *First issue*	11/01/2010
Emissione corrente / *Current issue*	09/11/2018
Data di scadenza / *Expiry date*	09/11/2021

Dott. Ing. Paolo Picollo

Dott.

ACCREDIA

IIS CERT

SOCIETA' DEL GRUPPO ISTITUTO ITALIANO DELLA SALDATURA

ISO 3834
IIW/EWF CERTIFICATION SUMMARY SHEET

Company:
CIEMMEBI S.R.L.
The Unit :
CIEMMEBI S.R.L.
Located in:
STRADA CARPICE, 37 - FRAZ. INT. V. DEGLI ARTIGIANI 1/3 - 10024

is certified in accordance with

UNI EN ISO 3834 Part 2

SUMMARY LIST OF THE MAIN CERTIFICATE DATA

Certificate number and revision: 2/IT/254 Rev. 7

First issue date : 11 January 2010 Current issue date : 9 November 2018 Date of expiry

for the product(s): Carpenteria metallica.
Steel structures.

Product standards(s):
Customer specifications - UNI EN 15085

Alternative standard(s) (refer to ISO 3834 - 5)
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Welding process (es) (ISO 4063)
135 / 141

Parent material group (s) (ISO / TR 15608)
1.2 / /2.2 /3.2 / 8.1 / 23.1

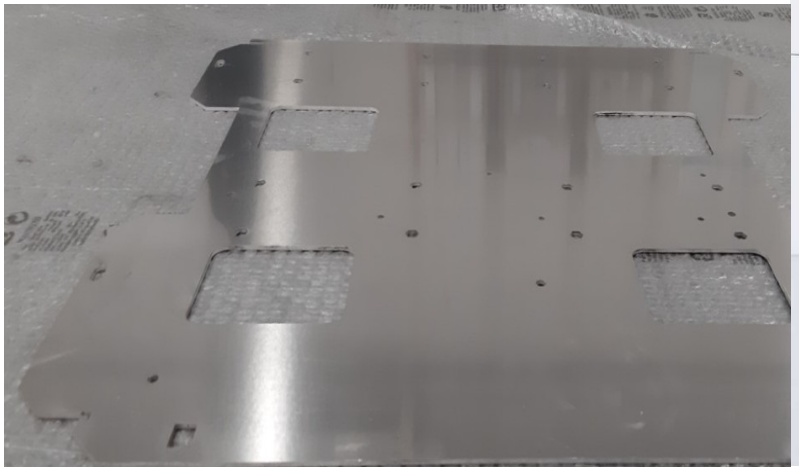
Responsible Coordination Personnel :

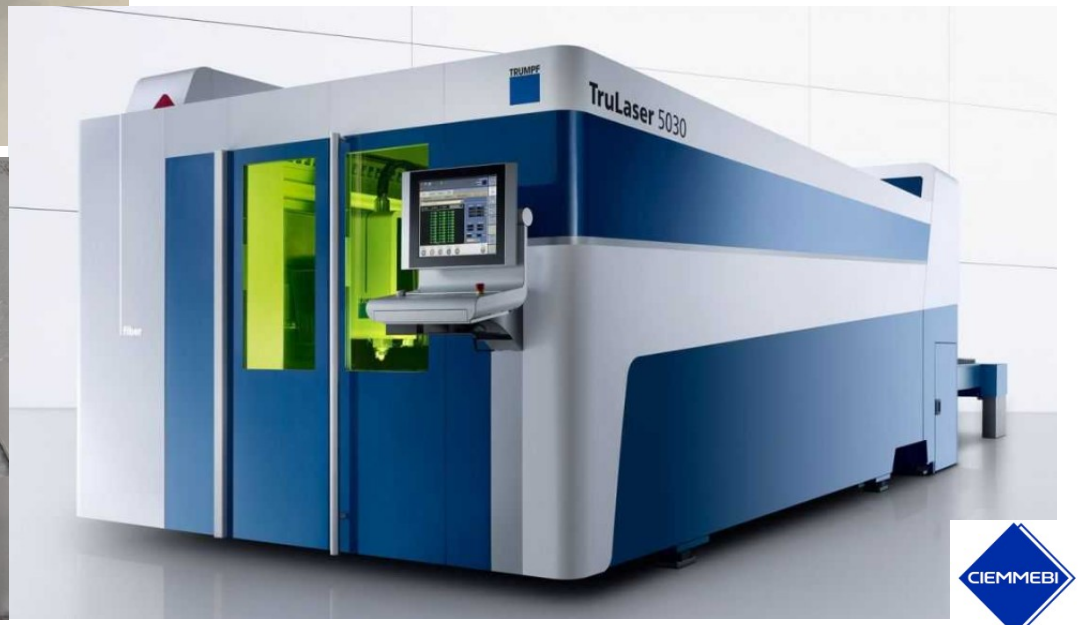
Name	Job Function and level
MAZZONE Francesco	Deputy IIS Approval
TOALDO Diego	Responsible IWE

CIEMMEBI

Technologies and Machinery:

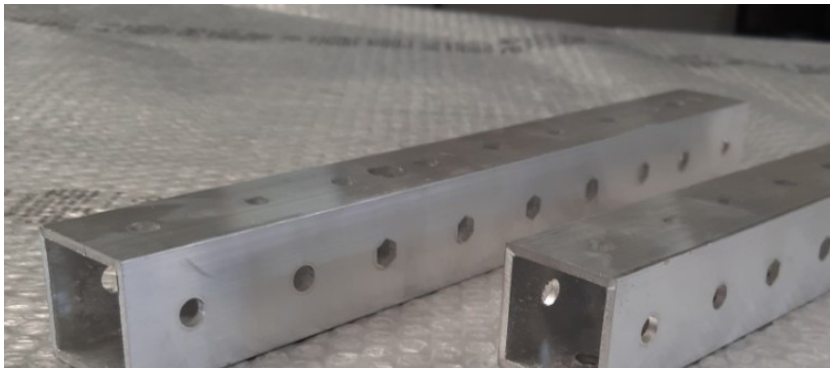
- **Trulaser 5030 and 5040 Fiber**: High-precision laser cutting machines for a wide range of materials.





Technologies and Machinery:

- **Trumpf Tubematic**: Laser cutting of tubes and profiles with extreme accuracy.

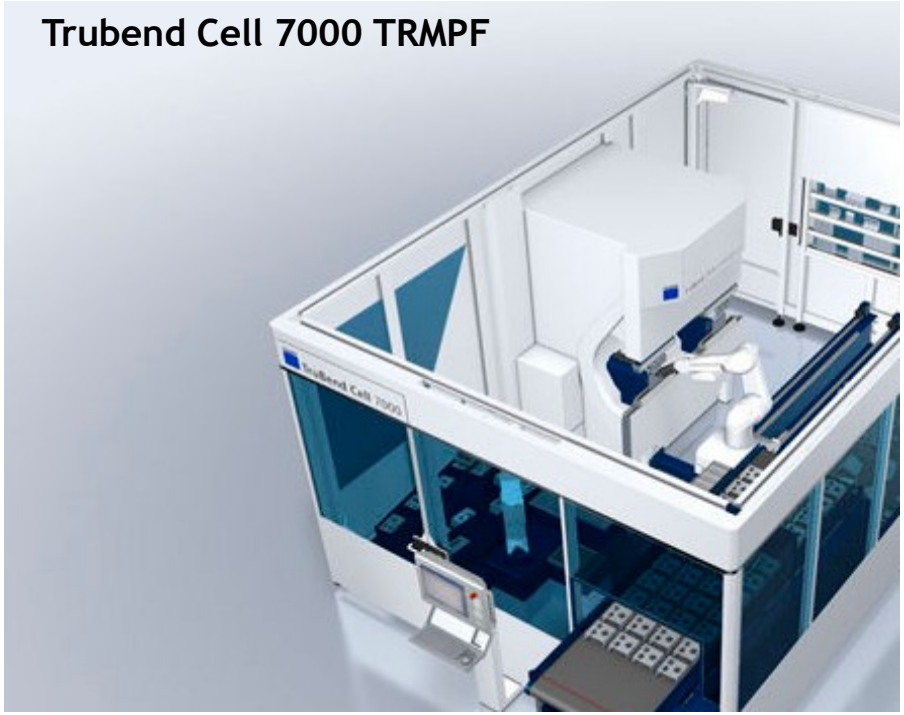


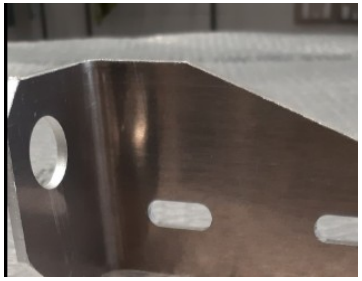
Technologies and Machinery:

- **Trumpf TruBend**: CNC Press Brake with extreme accuracy

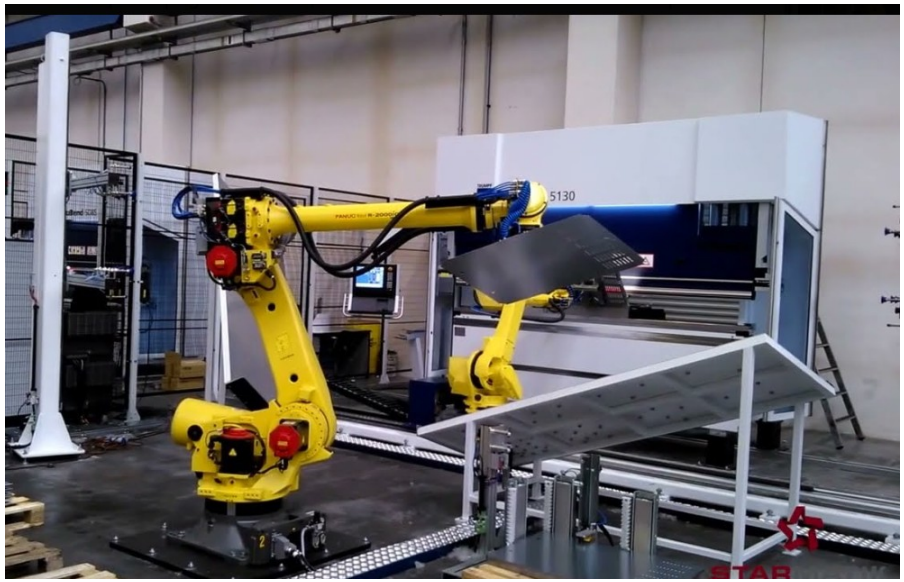
Technologies and Machinery:

- **Trumatic Trumpf 7000**: High-speed punching and forming with top-level precision.
- **Bending Robot Cell**



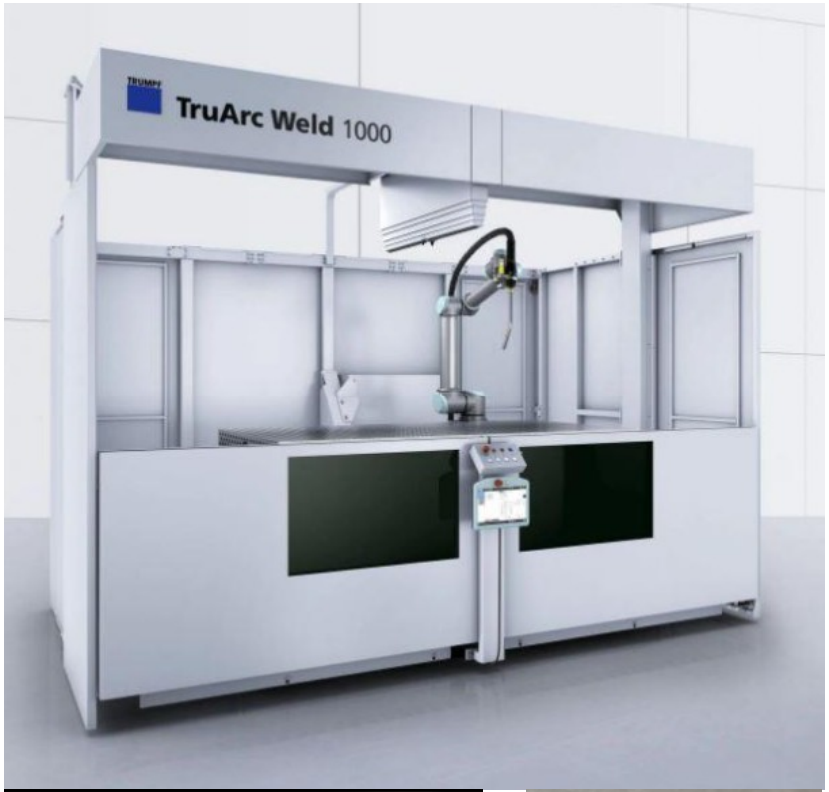


Bending Robot cell: system that combines a Fanuc R-1000 robot with a TRUMPF TruBend 5230 press brake, built by Starmatik



Technologies and Machinery:

- **Welding Robot**: Automated welding for consistent, high-quality results
- **Welding TIG/MIG/MAG machine**



MIG / MAG welding machine		
Type	Q.y	Power (A)
MIG / MAG	14	500 Max

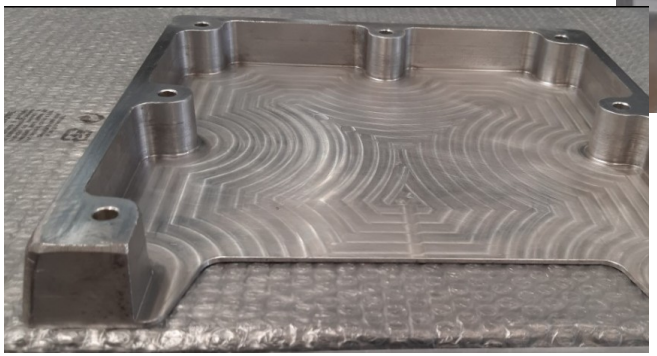
TIG welding machine		
Type	Q.ty	Power (A)
TIG	14	500 Max

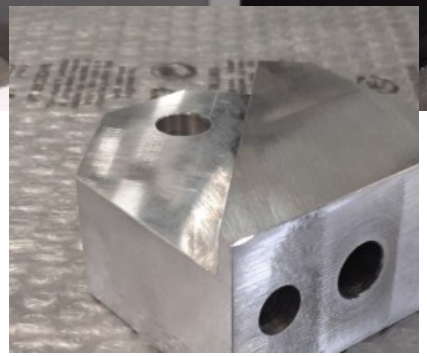
Processes and welders qualification according to ISO 150614-1/-2, ISO 15613, ISO 9606-1/-2

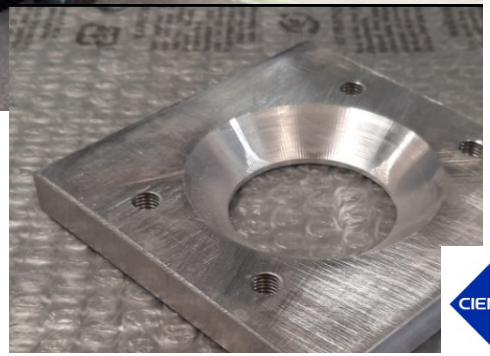
Technologies and Machinery:

- **CNC Machines**: Computer-controlled cutting, milling, bending, and punching operations with exceptional repeatability.

MACHINE	
Type	Quantity
CNC 3 axis (HURCO)	2
CNC 5 axis (HURCO)	1
Traditional mill	1
Lathe	1
Drill press	2







Technology and work process :ASSEMBLY

ASSEMBLY	
Type	Quantity
Riveting	3 areas with 25 rivet machines
Gluing/ sealing	1 area with 4 applicator guns
Screwing	3 areas with 10 torque wrenchs

SOME OF OUR PRODUCTS:

The structure is an armored turret made of 5083 aluminum alloy, designed to house the main gun on next-generation combat ships developed by Leonardo. Aluminum 5083 is selected for its high mechanical strength and excellent corrosion resistance in marine environments. The turret features angled panels to reduce radar signature and includes technical openings for wiring and actuators. Precision welding techniques ensure structural integrity under dynamic combat loads.

MANUFACTURING & WELDING:

The production of this component demands exceptional craftsmanship. It requires two highly skilled welding operators, each working full-time (8 hours per day) over a span of two weeks. In total, over **160 hours of precision welding** are needed. This process exemplifies the excellence of **Italian artisanal manufacturing,** combining technical mastery with attention to detail at every stage.

SOME OF OUR PRODUCTS:

TRACTION CONVERTER FRAME

A traction converter is a power electronic device that transforms high-voltage electricity from the overhead line into controlled voltage and frequency to drive the train's traction motors. It enables efficient acceleration, braking, and energy recovery, ensuring optimal performance of modern railway vehicles.

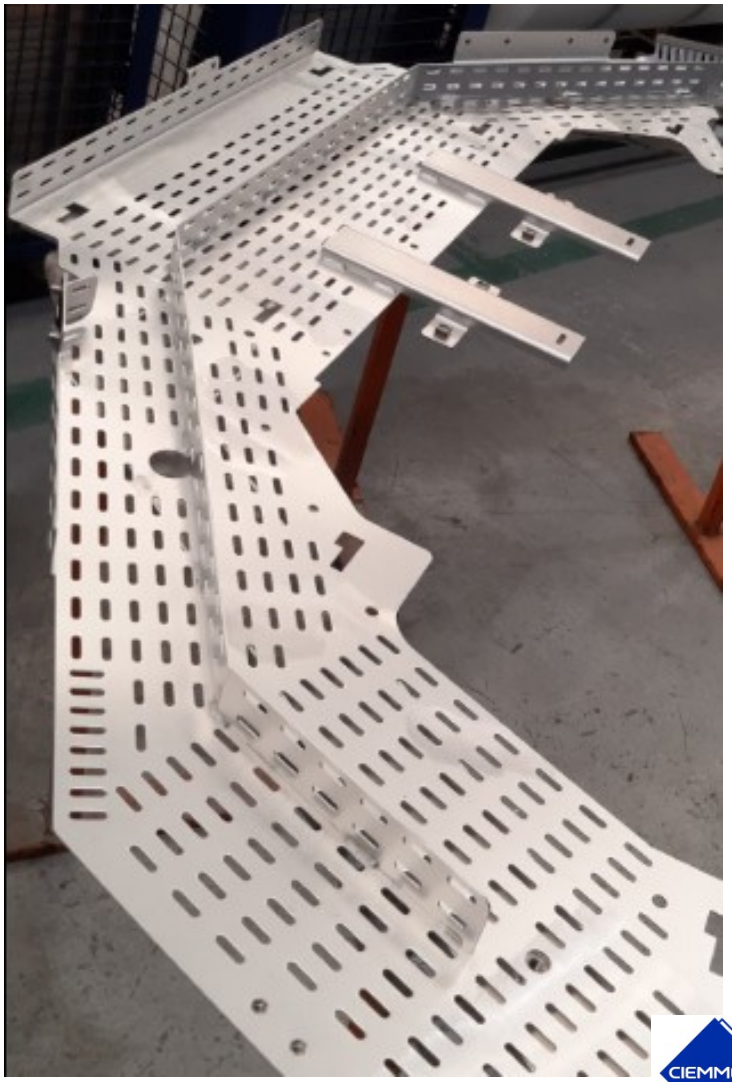
SOME OF OUR PRODUCTS:

This carbon steel APS (Auxiliary Power Supply) enclosure is used in the railway sector to house power electronics. Made from corrosion-resistant painted carbon steel, it distributes low-voltage energy to systems like lighting, HVAC, and doors. Designed for underframe or cabinet installation, it ensures durability in harsh environments.

SOME OF OUR PRODUCTS:

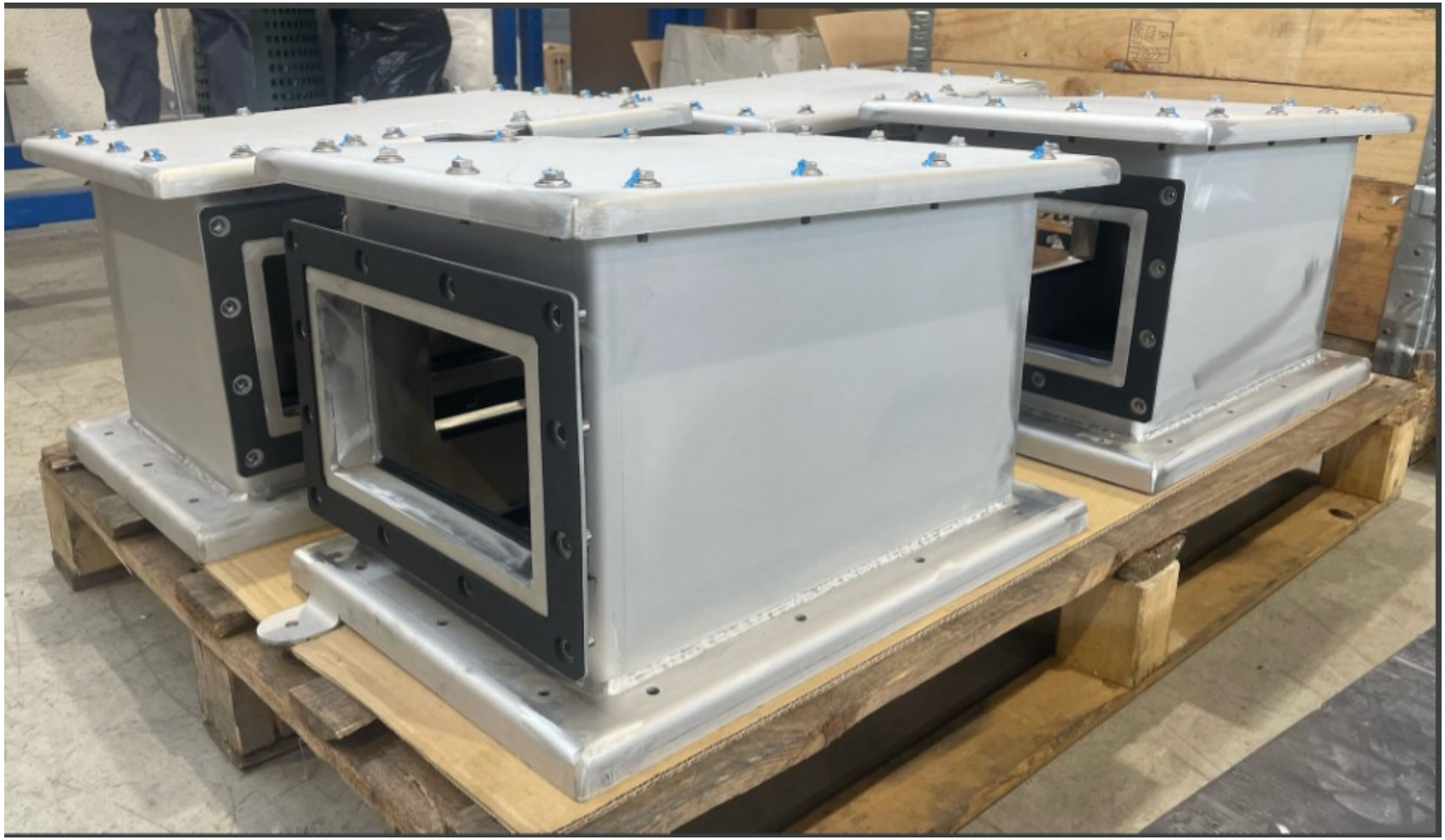
CABINET

DRIVER DESK



SOME OF OUR PRODUCTS:

CABINET OF TRAIN ROOFTOP



SOME OF OUR PRODUCTS:

LOCOMOTIVE ENGINE SUPPORT FRAME

SOME OF OUR PRODUCTS:

HIGH SPEED TRAIN UNDERFRAME

(ELECTRICAL) CABINET OF HYDROGEN TRAIN

(ELECTRICAL) CABINET

Modular aluminum frame for railway electrical cabinet, designed to house onboard systems such as power supply units, control devices, and safety equipment. It is a critical component of the train's internal electrical infrastructure.

Modular Aluminum Electrical Cabinet installed on Baltimore metro train

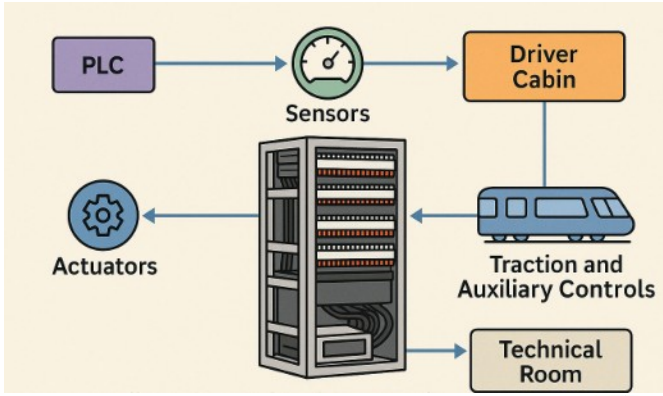
Frame

Electrical Cabinet

We are able to deliver fully finished products thanks to our strategic partnership with Elettromar — an Italian company based in Buffalo, NY, specializing in electrical wiring, testing, and commissioning of railway vehicles and industrial systems

We are able to deliver fully finished products:

The cabinet manages signal distribution, automation, and diagnostics in railway systems.
It connects PLCs, sensors, and actuators for traction and auxiliary controls. Typically installed in technical rooms or control cabinets inside trains.

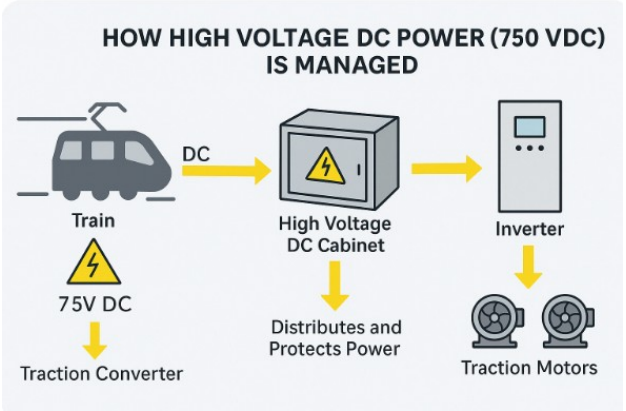


We are able to deliver fully finished products:

This cabinet is used in railway applications for the distribution and protection of 750 Vdc power. Typically installed underframe or in technical compartments, it ensures safe power management for traction systems.

Main Functions:

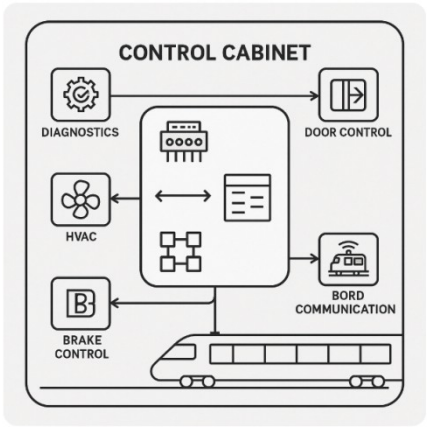
- **Distributes high-voltage DC power to traction or auxiliaries**
- **Protects circuits with fuses, relays, and disconnectors**
- **Ensures safe isolation and monitoring of the system**



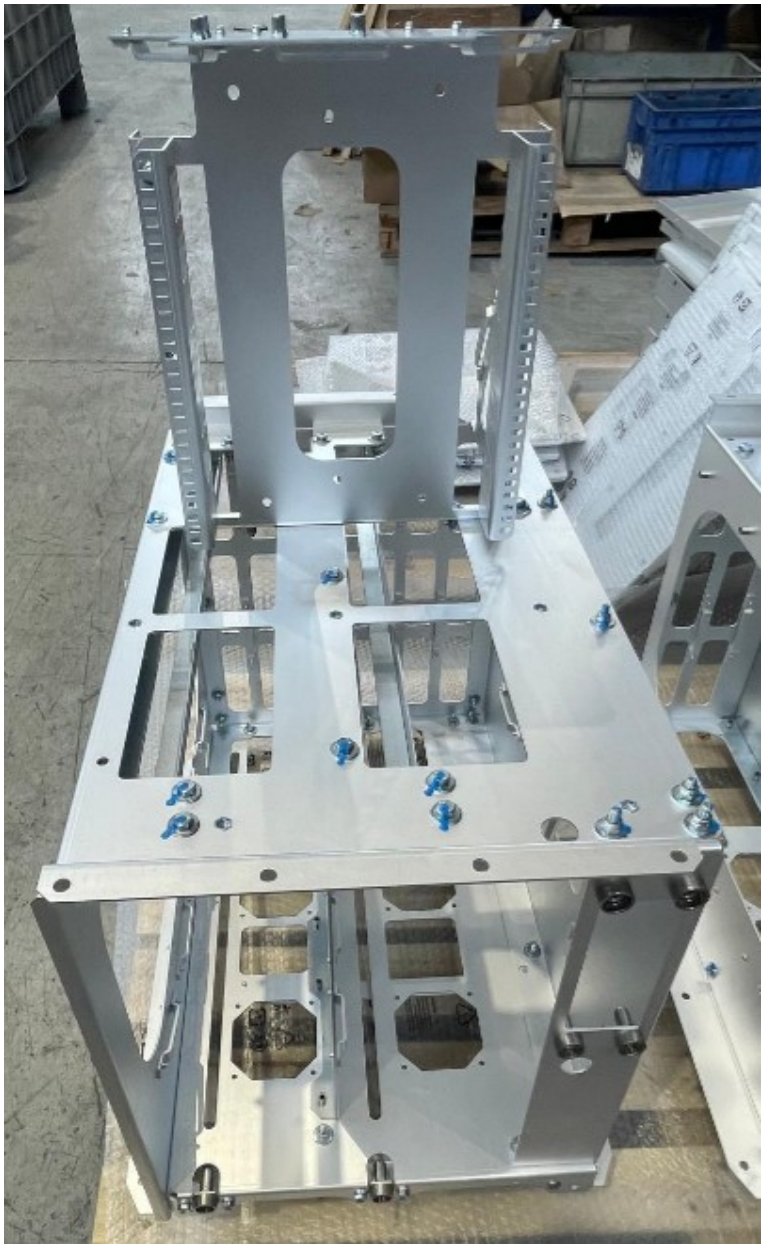
We are able to deliver fully finished products:

ELECTRICAL CABINET

This is a train control cabinet used to manage and distribute signals to key onboard systems such as doors, HVAC, brakes, diagnostics, and communication. It ensures efficient interface between subsystems and central control units. Typically installed under the train floor or in technical compartments. Designed for safety, reliability, and organized cable routing.



TRACTION CONVERTER **MOUNTING FRAME**



This is a high-precision internal subassembly, designed to support electronic power modules (such as IGBT units, DC/DC converters, or control boards) inside the train's traction system or electrical cabinets.

It is typically integrated within larger enclosures, such as traction converters or power distribution boxes, and ensures the safe mounting, electrical insulation, and efficient thermal dissipation of high-voltage components.