



Amaro, 30th January 2026

Reserved to:
Technical presentation

Author:
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History of the laboratory

Test & Certification

The laboratory was founded and directed by Silvano Chialina since 1998.

From 30th January 2026 is part of EXONX Srl



Emilab Srl profile created by EXONX Srl for commercial purpose

History

Emilab is a testing laboratory specializing in tests and analysis in the fields of electromagnetic compatibility, electrical, environmental and vibration testing.

It mainly works in the automotive, transport and industrial sectors.

Emilab Srl was founded in 1998 and

in 2012 opened its current 1300sqm facilities in Amaro (Italy)

History:

2001 Accreditation SINAL ISO 45001

2005 EMC Competent body Dir. 89/336

2007 Notified Body 2004/108/UE dir.

2009 Accreditation ISO 17025 by ACCREDIA

2011 Approved 3rd party lab by FCA

2015 Accredited by FCC and IC

2017 Emilab becomes part of Applus (Lab. Division)

2019 Accredited by Canada and renew FCC

2020 New safety lab in Amaro (UD)

2022 New HV test benches for EMC and ELT tests

2024 Approved 3rd party lab by STELLANTIS

2025 Approved 3rd party lab by BYD

2026 Emilab becomes part of EXONX Srl



Certificato di Accreditamento Accreditation Certificate

Accreditamento n.
Accreditation n. **00751 Testing REV. 10**

Emitto da
Issued by **Dipartimento Laboratori di Prova**

Si dichiara che
We declare that **Emilab Srl con socio unico**
Sede/Headquarters:
- Via F. B. Solari S.p.A. - 33020 Amaro (UD)

E' conforme ai requisiti
della norma UNI CEI EN ISO/IEC 17025:2018

Meets the requirements
of the standard ISO/IEC 17025:2017

Qualità
As **Laboratorio di Prova**
Testing Laboratory

Data di 1° emissione
1st issue date
14-10-2009

Data di revisione
Review date
20-11-2025

Data di scadenza
Expiring date
09-10-2029



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Business

Emilab operates in **2 areas**:

Test Laboratory- of electrical and electronic devices used in Automotive, Military, Avionic, EMC, LVD, RED

Homologation- : technical service NSAI for ECE ONU Regulation 10

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Emilab supply test & certification for:

Automotive – electric and electronic apparatus: EMC test, electrical test, thermal, mechanical and environmental. Reliability, section of PCB. Homologation service, test regarding Stellantis, Ford, GM, Audi/Volkswagen, BMW, Mercedes, Renault/Nissan, and other specifications

Railway– electric and electronic apparatus: We carry out EMC tests, electrical, thermal and environmental tests in compliance with EN 50155.

MIL standard– electric and electronic apparatus: We perform EMC, electrical, thermal, mechanical, and environmental tests. MIL461, DO-160

ITE (Information Technology Equipment)– We carry out all required tests and certifications (EMC, Safety, Radio). EN55032, EN55035, EN 62368, EN 301 489-X

Household appliances– we perform test and certification (EMC, Safety)

Radio apparatus– test up to 40GHz (R&TTE). ETSI Std, FCC and IC

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Business in automotive: more then 95% of the revenue

Approvals and accreditations

Test for EU market

From 2009 Accreditation ISO 17025

From 2011 Emilab becomes FCA 3rd party laboratory

From 2012 Emilab becomes NSAI Technical Service ECE ONU R10

From 2015 Emilab becomes accredited FCC Part 15 and 18

From 2019 Emilab becomes accredited ISED

From 2024 Emilab becomes STELLANTIS 3rd party laboratory

From 2025 Emilab becomes BYD 3rd party laboratory

OEM



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Core business

What we test for automotive?



RL/HL



ECU/BCU



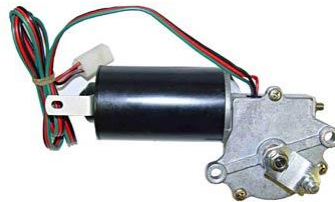
ECF



Water/Fuel pumps



Mirrors



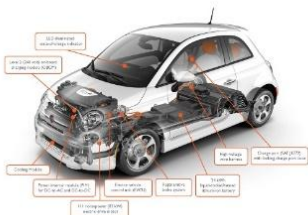
Wiper motor



Receiver antennas



Radio receivers



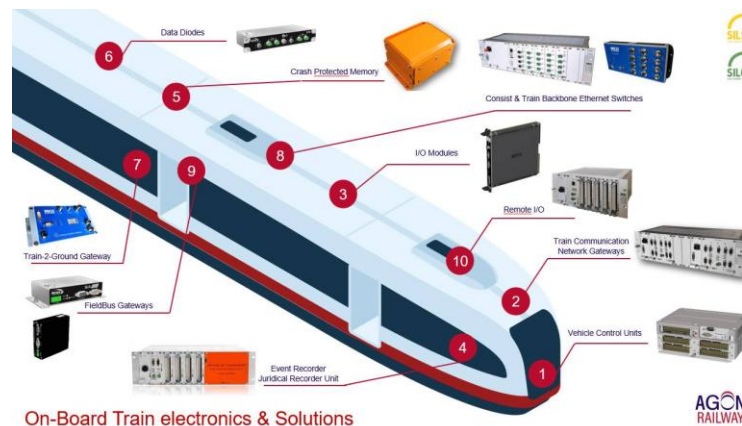
**Car Inverter/
DC/DC converters**

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Laboratory: accreditation scope



Test agricultural and earthmoving machinery components



On-Board Train electronics & Solutions

Railway electronic components



Household appliances and ITE



Radio test

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Laboratory: accreditation scope



Test lighting systems



Reliability test



Testing for international markets (CE, FCC, IC)

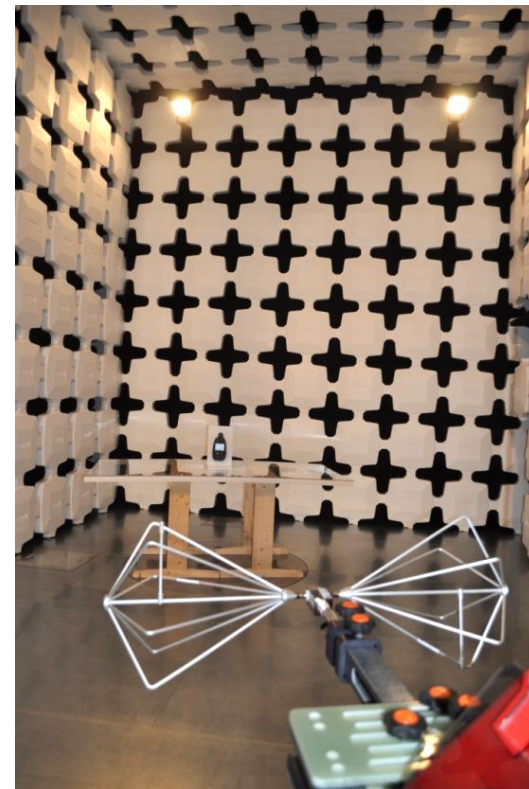
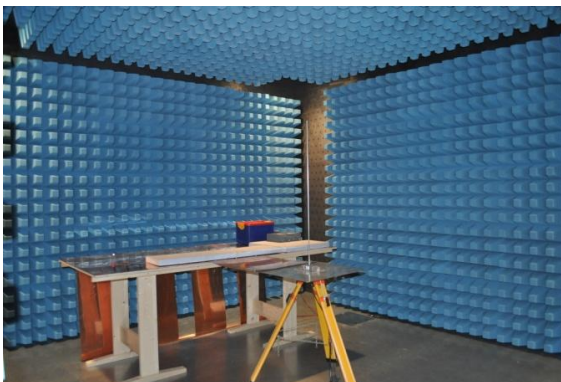
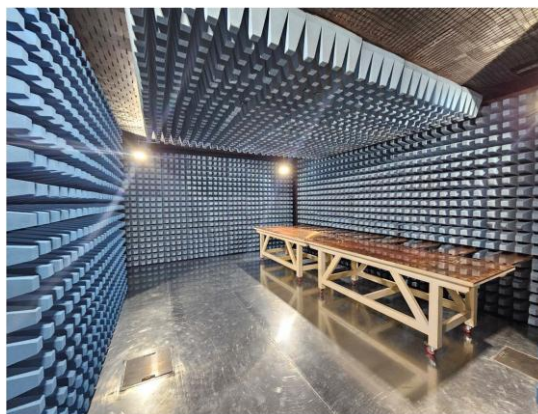
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Laboratory

1300sqm of laboratory surface

EMC test:

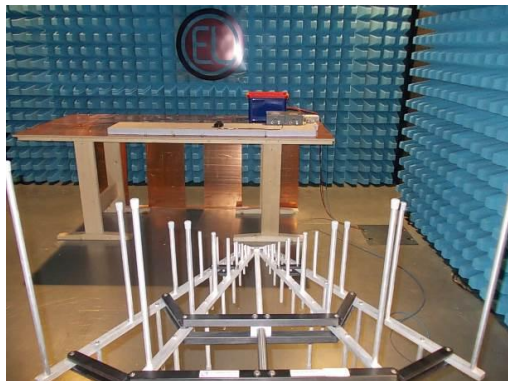
- ✓Nr. 3 anechoic chambers
- ✓Nr. 2 shielding chambers
- ✓Stripline, TEM
- ✓Test Radio



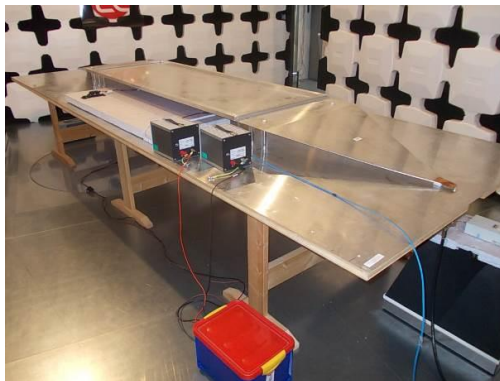
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Laboratory

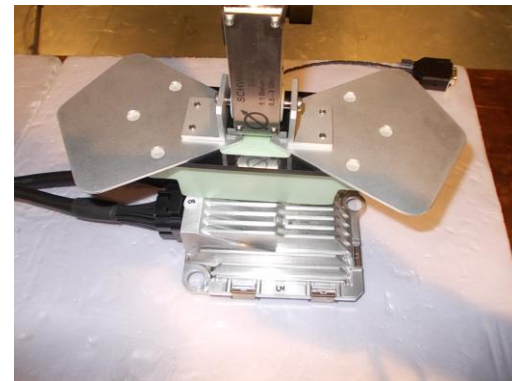
Hi intensity field ISO 11452-2



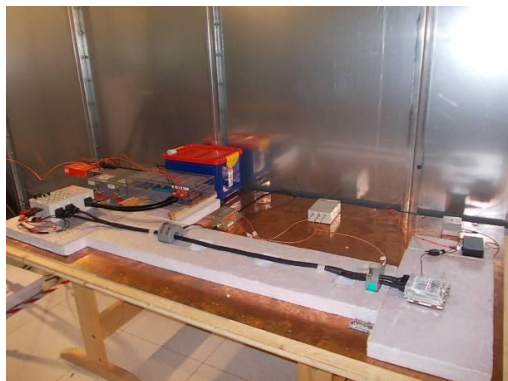
Stripline ISO 11452-5



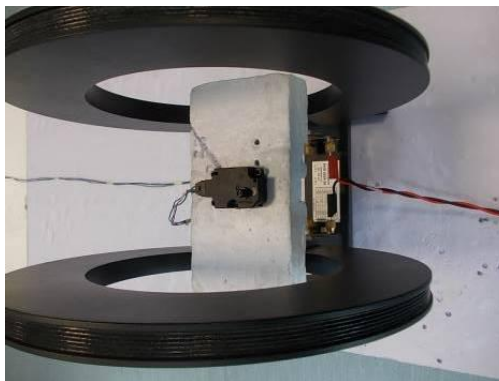
Port. Transm. ISO 11452-9



BCI: ISO 11452-4



Magnetic field ISO 11452-8



RE/RI – DO 160

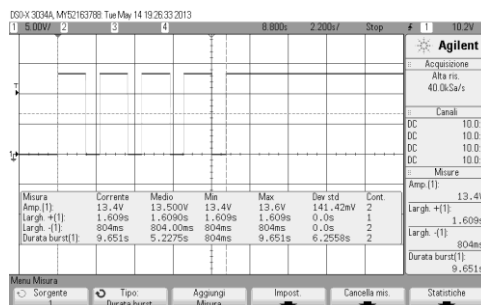
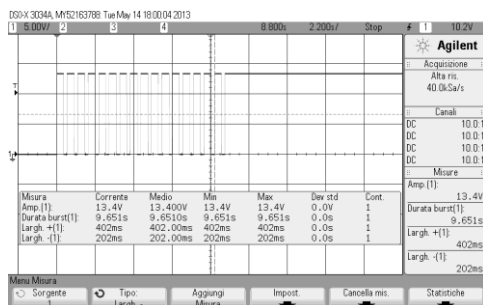


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Laboratory

Electrical test: ISO 16750-2 Safety EN 62368-1, EN 60335-1

- ✓ Component characterization
- ✓ Power supply simulation
- ✓ Safety test

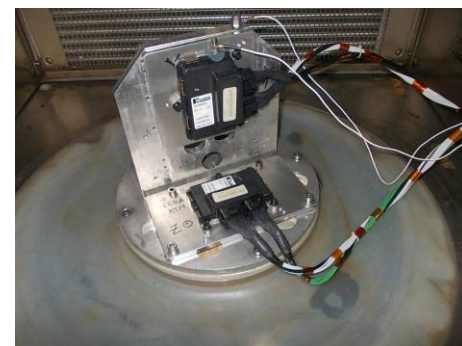
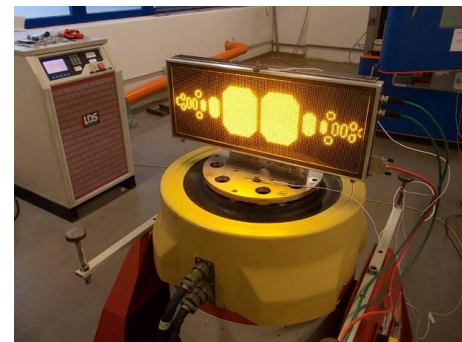


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Laboratory

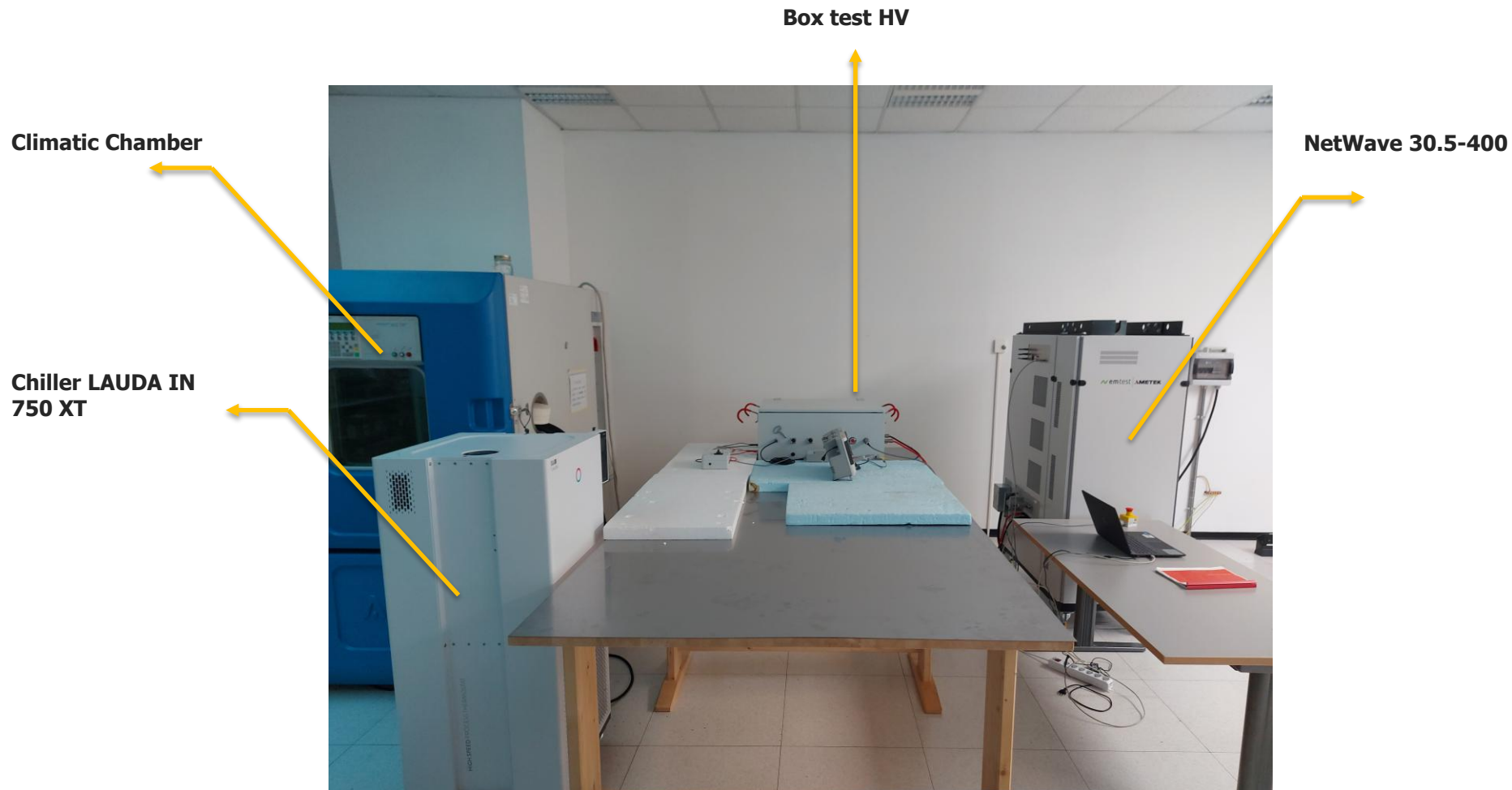
Environmental test:

- ✓Nr. 8 climatic chambers
- ✓Nr. 3 Thermal shock
- ✓Vibration (up TO 3kHz / 50g / 24000N)
- ✓Combined test (temperature, humidity, vibration)
(-70° C to +180 ° C; 20-99% UR)
- ✓Salt fog
- ✓Dust and water
- ✓Ozone
- ✓Weatering test (UV test)
- ✓Solar radiation DIN 75220



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Laboratory: HV test banch



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Thank you

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