LEAD TECH

YOUR ENGINEERING PARTNER
SINCE 1994

LEAD TECH

Integrated Logistic Support

ABOUT US

Lead Tech S.r.l. is an engineering company that operates as a qualified supplier of specialized technical services for **product support**, integrating multidisciplinary expertise across the **aerospace, railway, and industrial sectors**. The services offered are part of **Integrated Logistic Support (ILS)**, encompassing all activities aimed at ensuring optimal operational support for complex systems throughout their entire life cycle.

Lead Tech S.r.l. operates in compliance with the highest international standards to ensure the quality, reliability, and sustainability of its processes:

- **UNI EN ISO 9001:2015** – Quality Management
- **EN 9100:2018** – Quality Systems for Aerospace and Defense
- **ISO 14001:2015** – Environmental Management
- **Codice NGAGE AH492** – NATO Registration for Civil and Military Supplies

OUR SERVICES

We operate throughout the entire life cycle of systems, offering highly specialized services:
- Design and development of technical publications, including **Interactive Electronic Technical Manuals (IETMs)**, to document complex systems
- **Custom software solutions** for integrated industrial and logistics process management.
- **Mechanical design.**
- **Electronic design** and development of **systems for industrial automation.**

OUR COMPANY

TURNOVER > 1.7M€
% GROWT > 10%

EMPLOYEES > 30
% GROWT > 10%

REFERENCE YEAR: 2024

Background

Lead Tech s.r.l. since **1994**, is a technology partner providing high value-added engineering solutions for the civil and defense sectors.

Valori

We are guided by strong values that shape our approach to work and to people:

Reliability: strict adherence to timelines, technical requirements, and quality standards
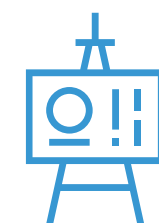**Organization**: clear and well-managed processes
Innovation: constantly evolving tools and expertise
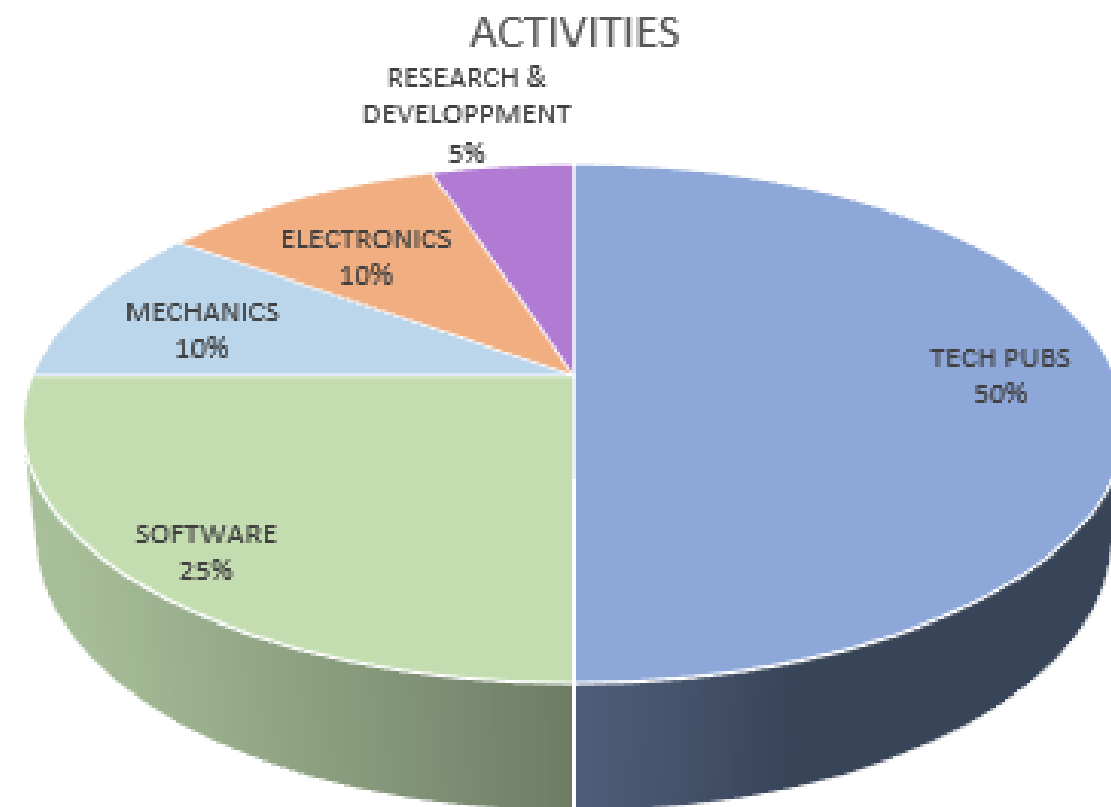**Customer focus**: practical long-term support

Mission

To design and deliver **tailored engineering solutions** by integrating advanced technologies and multidisciplinary expertise, aimed at **supporting our clients' competitiveness** in highly complex markets.

Vision

To pursue a **solid business model** recognized for its ability to generate long-term value, **becoming a benchmark in integrated engineering support** and contributing to the sustainable growth of both the company and its clients.
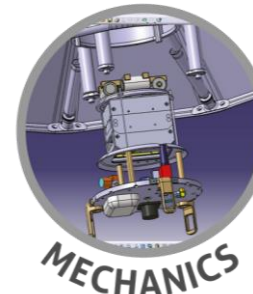
LEAD TECH
Integrated Logistic Support

DEPARTMENTS AND ACTIVITIES

ACTIVITIES

- TECH PUBS 50%
- SOFTWARE 25%
- MECHANICS 10%
- ELECTRONICS 10%
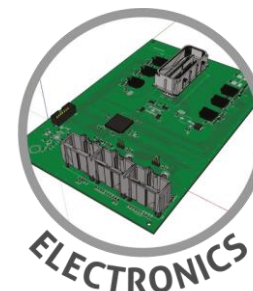- RESEARCH & DEVELOPPMENT 5%

TECHNICAL PUBLICATIONS
- Technical Publications (All types of manuals in accordance with standards) - IETP
- Maintenance Planning
- Multilingual translations and Printing
- Data entry and Engineering data management

SOFTWARE & RFID
- Enterprise Management Software (ERP)
- IETP software
- Maintenance management software
- Mobile App development

MECHANICS
- CAD Design
- Manufacturing drawings and Structural Analysis
- Development of Mechanical Components and systems in the Aerospace and Industrial sectors

ELECTRONICS
- Embedded Systems for data acquisition and control
- Firmware development
- Industrial Automation

RESEARCH & DEVELOPMENT
- Proposal writing for European and National Funded Projects
- Enhancement and Transfer of know-how in scalable Environments
- Industrial Research and Experimental Develop

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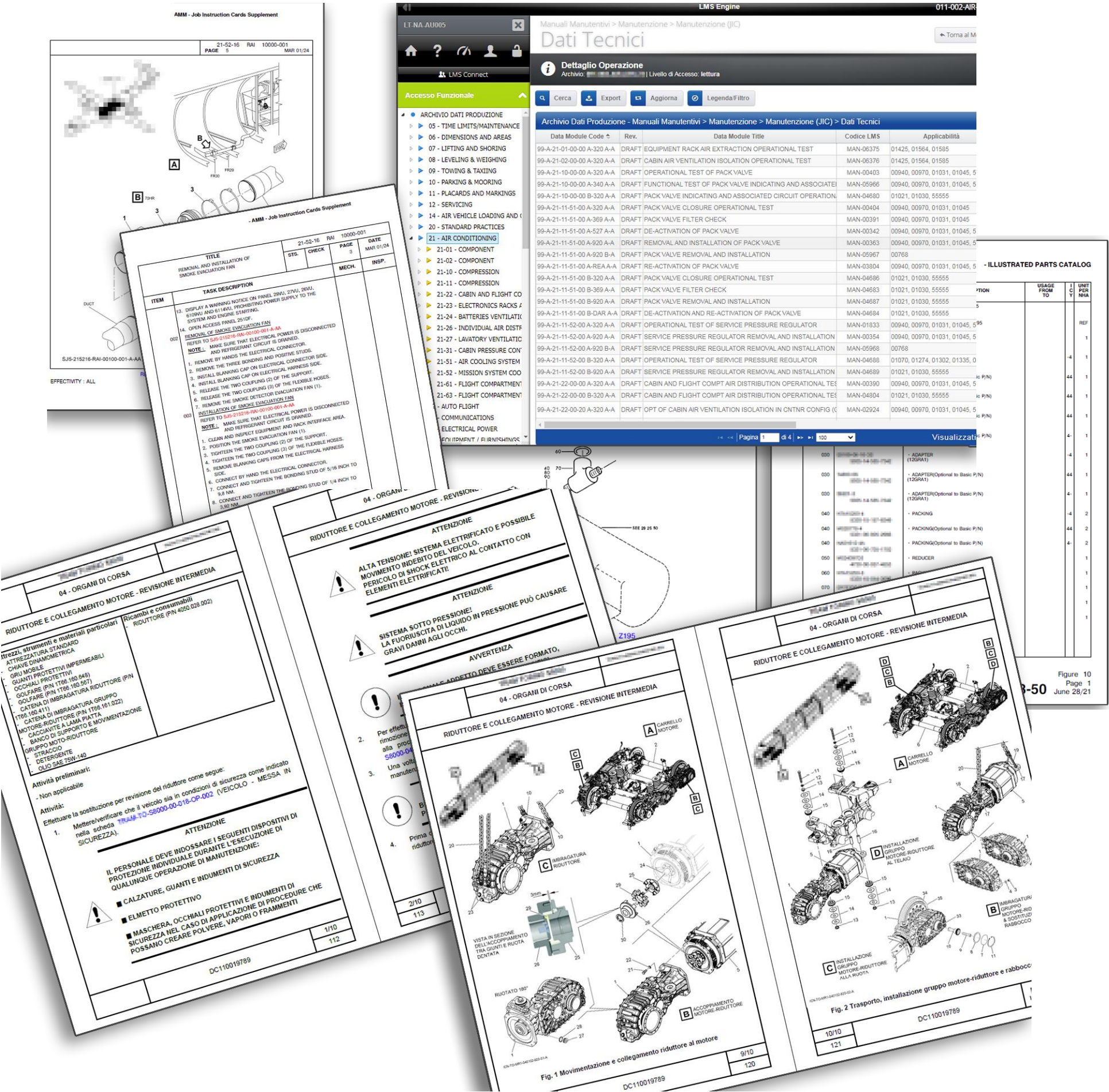
TECHNICAL PUBLICATIONS

Main Services:
- Technical Documentation (User and Maintenance Manuals; Operating Manuals; Training Manuals; Spare Parts Catalogs)
- Formats: print, digital (PDF, HTML, XML)

ILS - oriented
- Improved Supportability, Cost Savings, Rapid Updates, Integration with other systems, Better tracebeability, data security with version controls and revisions
- Compliance with Standards: S1000D, iSpec2200; ATA, AER, MIL, AECMA, DTLS

Integration with Maintenance Engineering and Logistics :
- Reliability, Maintainability and Testability Studies
- Definition of Equipment, Spare parts and Maintenance Planning

MANAGEMENT SOFTWARE

Lead Tech's software solutions are designed to support companies in the intelligent digitalization of processes - from standard management activities typical of an ERP system to more specialized needs, such as the creation and management of technical publications in accordance with international standards, as well as the management of maintenance activities following regulated procedures.

Creates, manages and updates advanced technical publications according to the S1000D standard:
- Compliant with standards across various sectors
- Configures systems and subsystems across multiple levels
- Creates structured link between documentation, spare parts, tools, materials and personnel skills

Manage Maintenance:
- Plans and manages preventive and corrective maintenance
- Displays technical publications in compliance with industry standards
- Tracks physical components and related maintenance activities using RFID technology
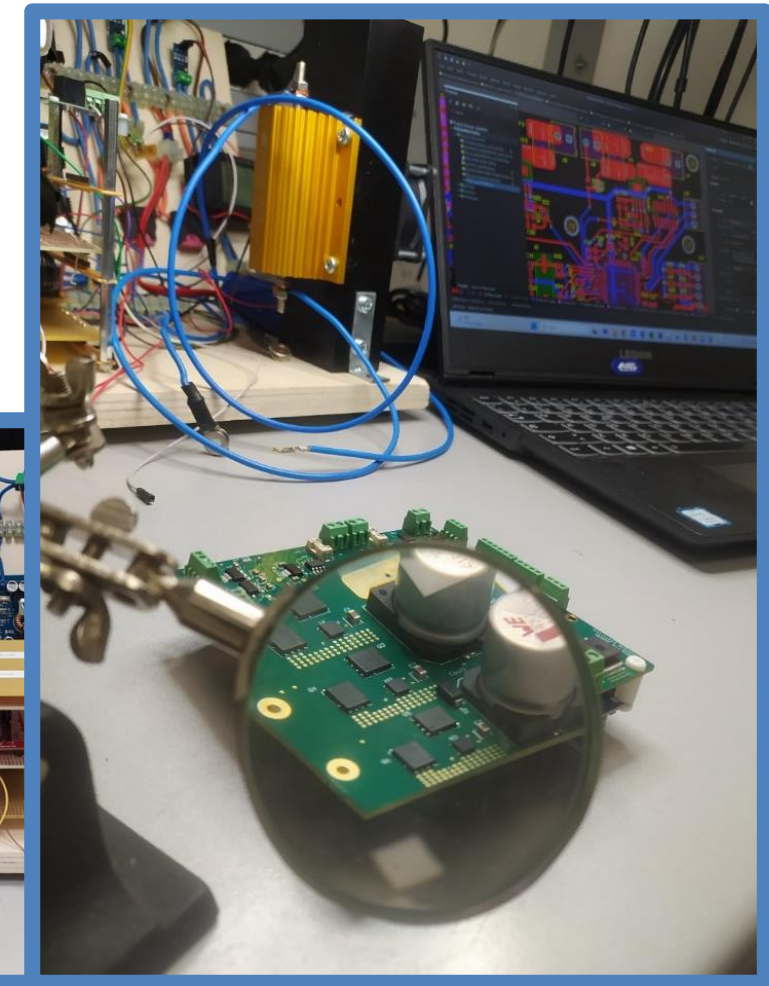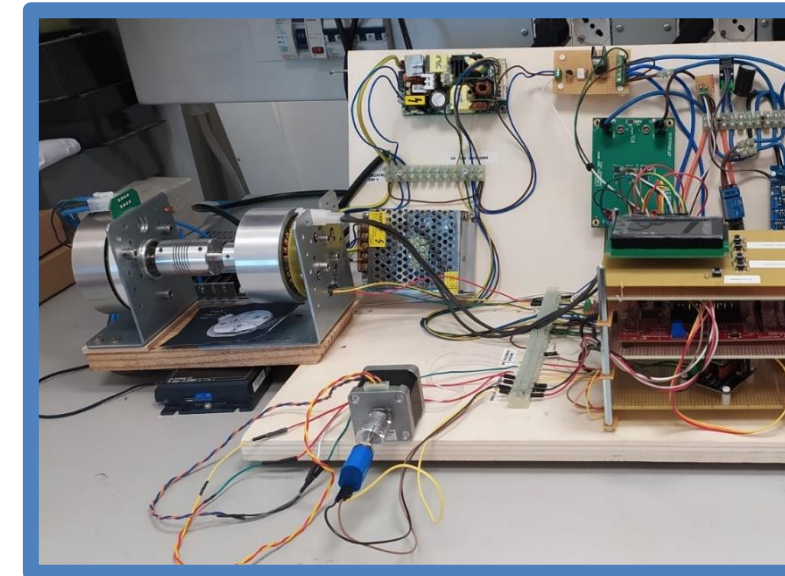- Enhances operational process efficiency and reduces machine downtime

Business process management software for companies that want to**:**
- Manage projects
- Manage human resources
- Manage accounting
- Manage operations
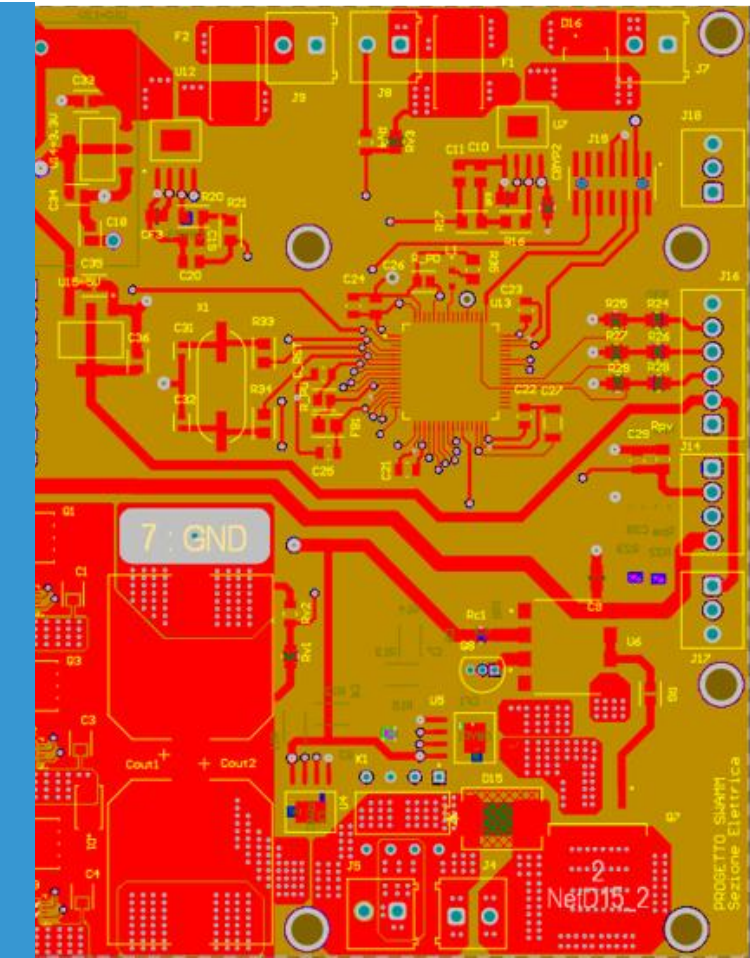- Archive documents and easily access information

ELECTRONIC DESIGN AND INDUSTRIAL AUTOMATION

The Electronic Design Department combines **solid expertise in hardware and firmware design** with the capability to develop **functional prototypes and custom solutions.**

Main Activities

- Custom Embedded Systems
- Control Boards for Water Turbines
- Smart Presence Detection
- Real- Time Data Acquisition and Management
- Testing tools for Electronic Meters and Circuit Breakers
- Custom HMI Systems

- Onboard Electrical Systems and Wiring Diagrams
- Power management and energy conversion
- Remote communication and IoT Systems
- Sensors, Signaling, and Real-Time Diagnostics
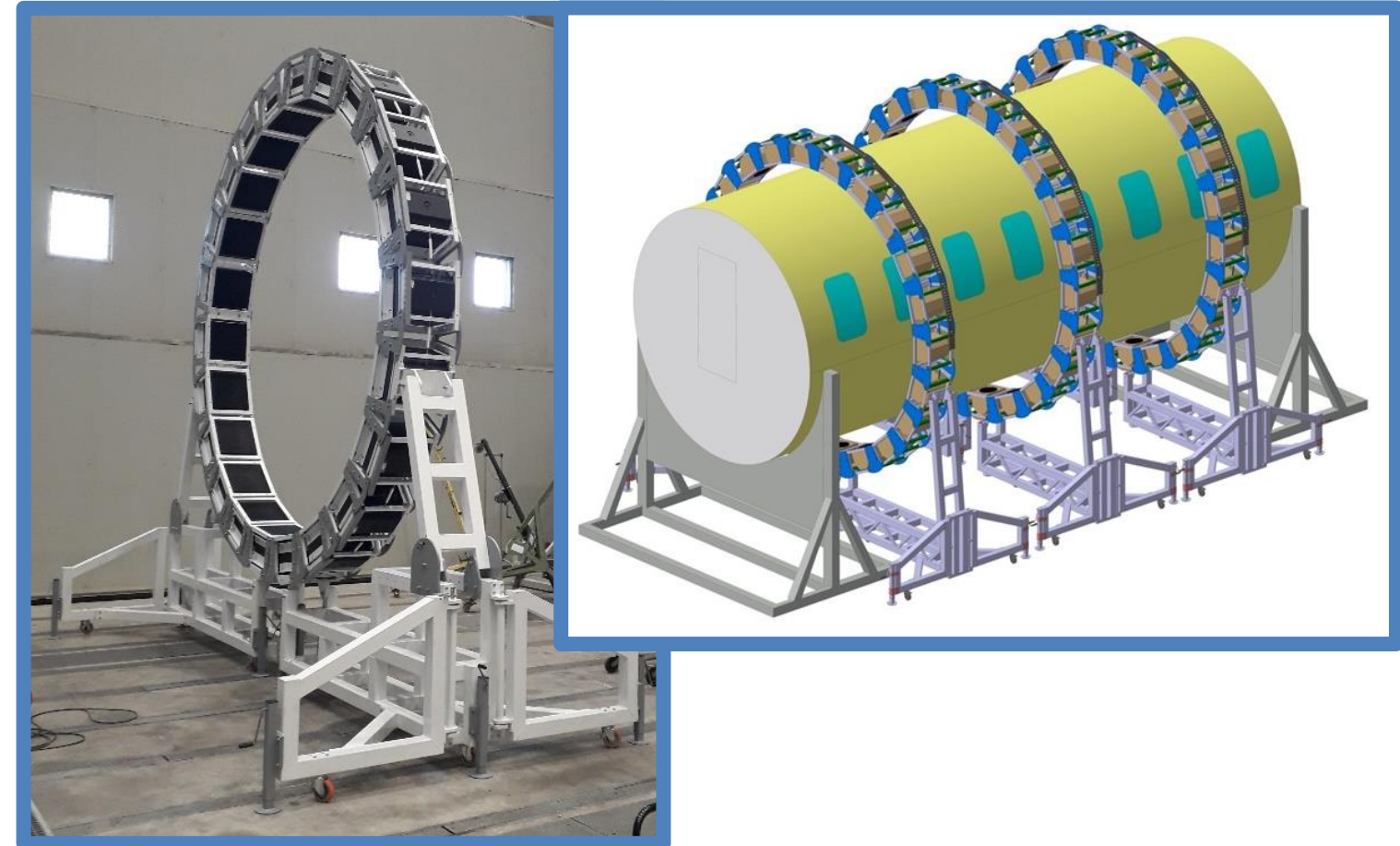- Multi-Device Integration and third-party compatibility

MECHANICAL DESIGN

Main Activities developed

✓ Test Plan, Test Run, Integration, RAM and FMECA Analyses, Realization of prototypes

✓ Design of:

- Mechanical Ground Support Equipment (MGSE)

- Handling and Logistics Tools

- Fixed and deployable Thermal protection systems

- 3D-Printed functional prototypes

- Whole equipment (optoelectronic, pneumatic, motorized, with network of sensors) for laboratory testing or industrial automation.

- CubeSat satellite structures

Design and development of **High-Precision Test Equipment** for the **Aerospace Sector**
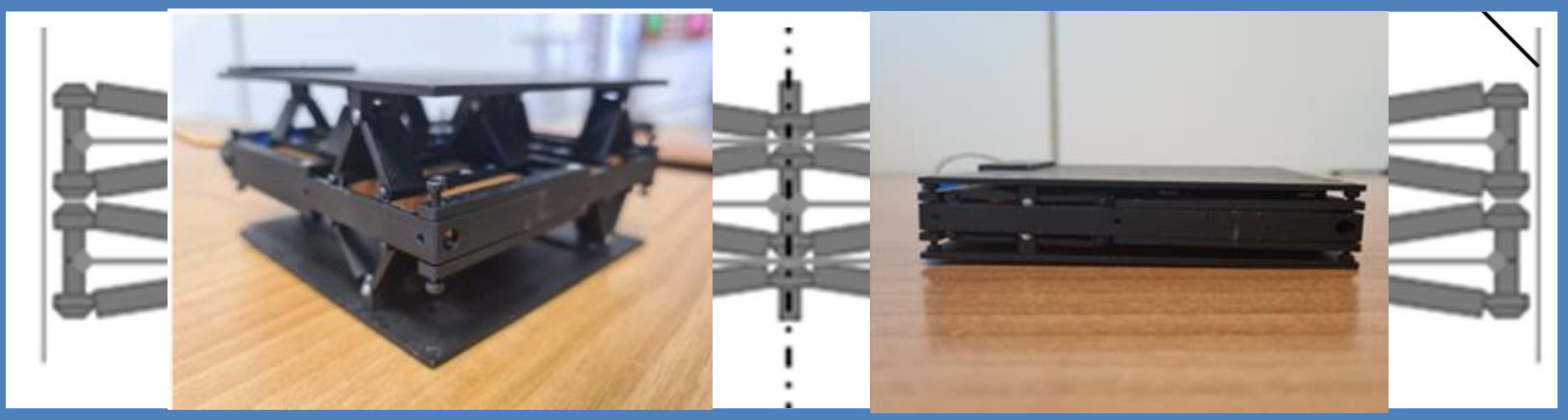

Design and Development of **Thermal Protection Technologies** for **Space Capsules** that operate without parachutes or braking flares

Property technology for the development of **expandable and modular structures**, applicable in both space and industrial contexts.

FDR – Flight Data Recorder

RESEARCH AND DEVELOPMENT

Lead Tech's R&D Department, leveraging a multidisciplinary approach and collaborations with universities, transforms complex customer requirements into advanced, customized technological solutions

Core Areas of Intervention

- Innovative solutions in MRO

- Advanced Integration and Maintenance processes

- Digitalization of production and service support processes

- Innovative solutions for aviation

- Innovative solutions for the space economy
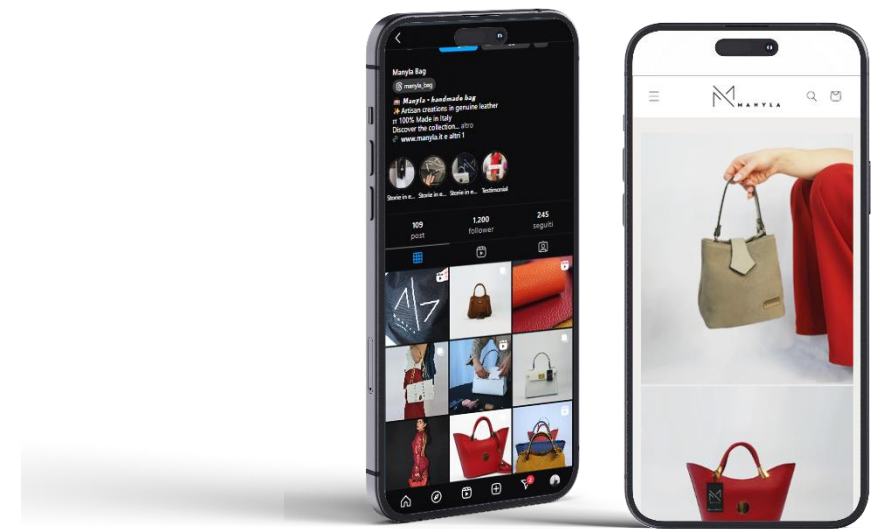
- IT solutions supporting product management

WEB SERVICES and DIGITAL MARKETING

To complete the software development activities, Lead Tech offers **integrated digital communication and marketing services** ranging from website creation to **Social Media Marketing, SEO/SEM and multi-channel communication.**
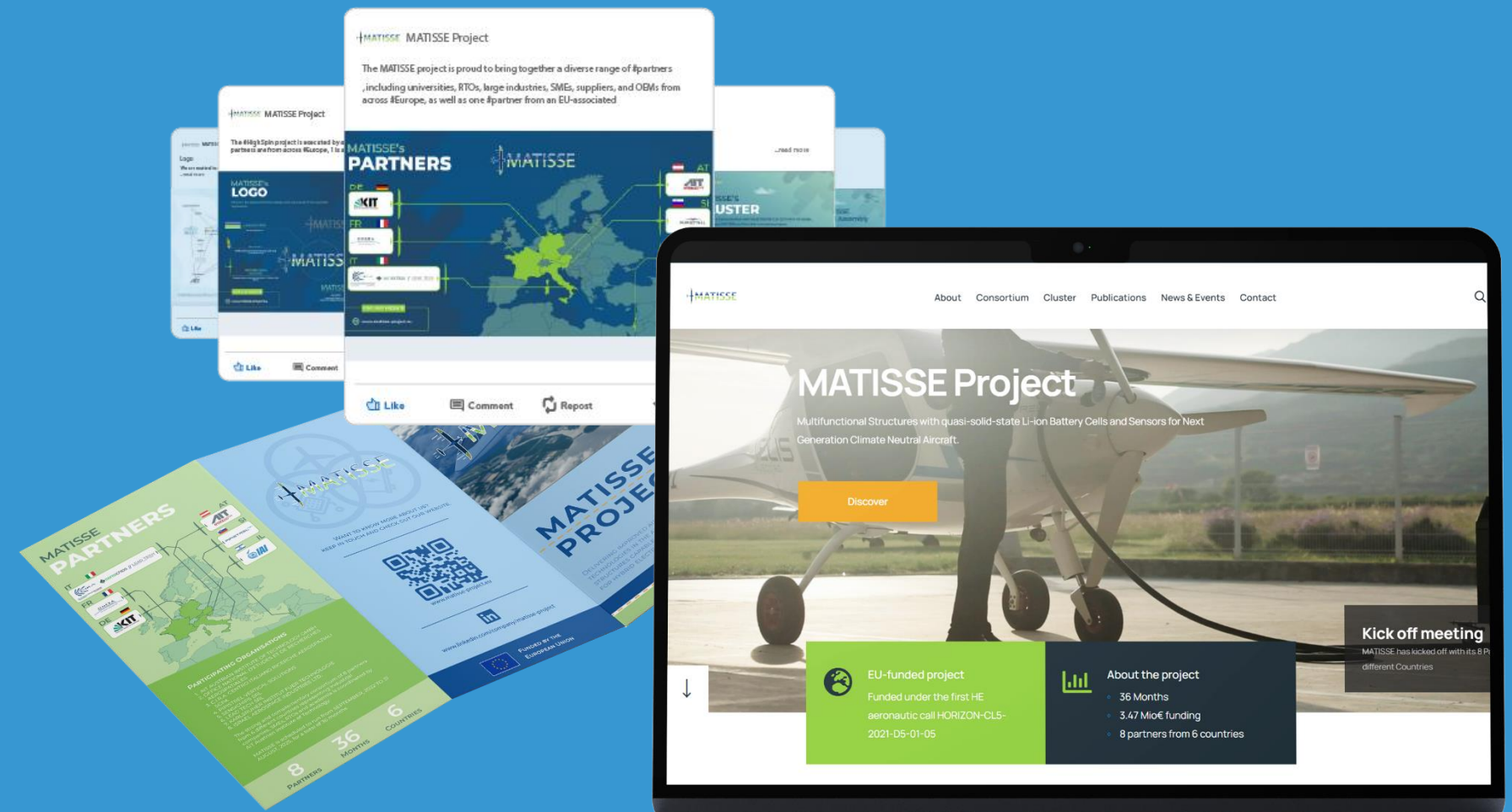
Company Communications

We manage **communications and marketing for local and national clients** across various sectors. Our services include designing advertising campaigns, managing social media and paid advertising, creating websites and e-commerce platforms and producing photo and video content – all delivered **with an integrated, creative and results-driven approach.**

European Projects Communications

We manage communication for projects funded by the **European Union.** We create visual identity (logo, templates, icons, infographics), **develop online presence (**websites and social channels) **and produce printed materials (roll-ups, brochures).** Each activity is oriented to achieving the project objectives and monitored through specific KPIs.
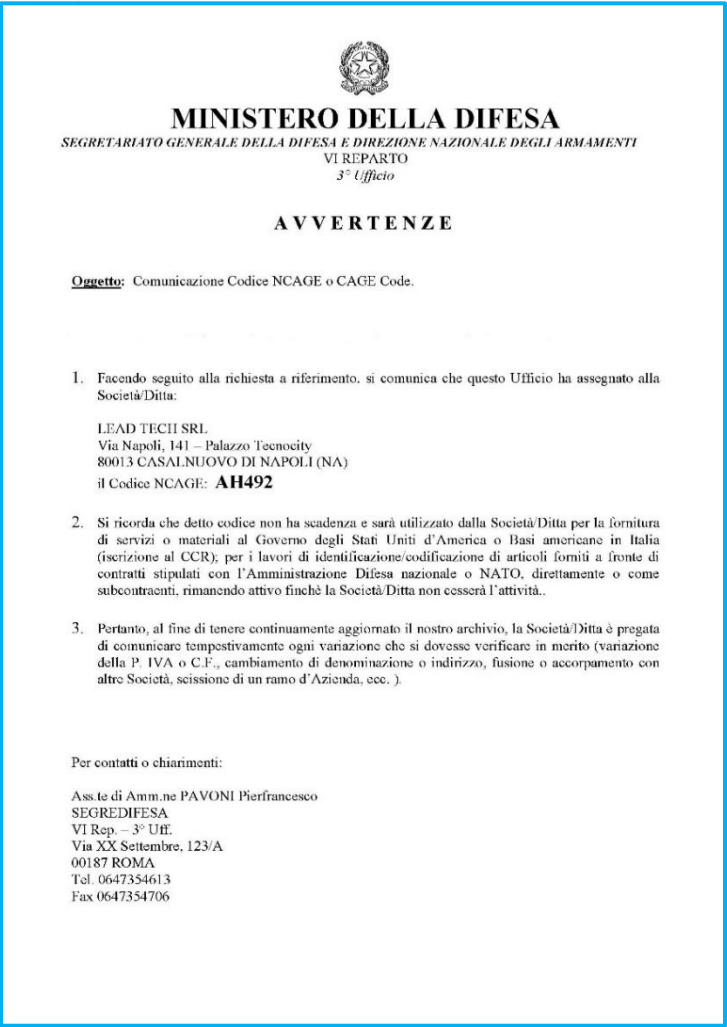
MAIN CUSTOMERS

MAIN PARTNERS

CERTIFICATIONS AND QUALIFICATIONS

UNI EN ISO 9001:2015 - EN 9100:2018 - ISO 14001:2015 - NCAGE AH492

LEAD TECH – COMPANY LOCATIONS

TURIN

CATANIA

NAPLES

www.leadtech.it

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