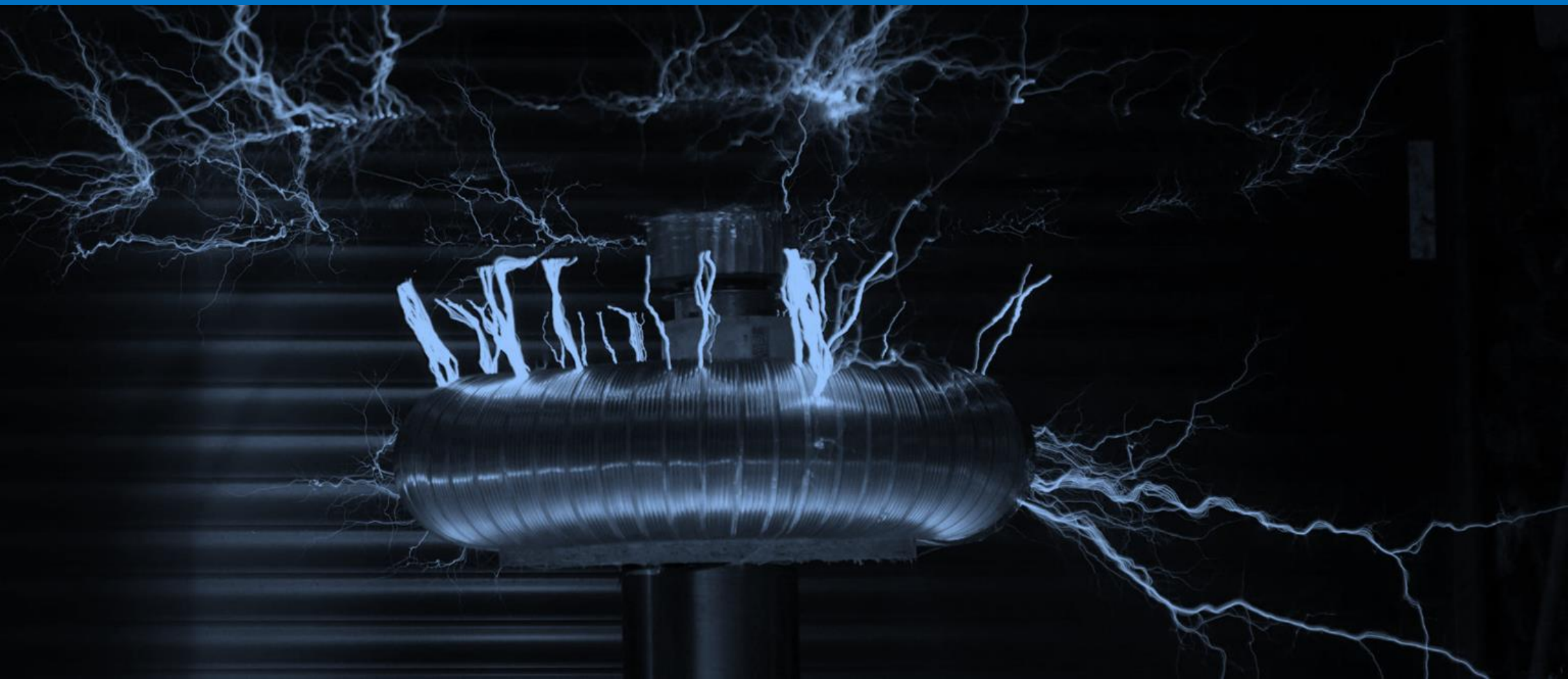





COMPANY PROFILE



REPAIR, NOT REPLACE

Lampas System is at the service of the heart of electric motors.

The company is dedicated to providing high-quality components for dc and ac electric motors, guaranteeing excellent technical support and customer service. Main activities include the maintenance, repair and revamping of electric motors to extend their service life and reduce their environmental impact. with over 3 decades of experience, Lampas System is committed to maintaining leadership in the service sector for motors, generators and other electromechanical components, offering innovative solutions tailored to customers' needs.



LAMPAS SYSTEM'S MISSION IS TO PROVIDE TECHNICAL SUPPORT AND INNOVATIVE SOLUTIONS TO ENSURE THE EFFICIENCY AND LONGEVITY OF ELECTRIC MOTORS.

Lampas System, with its decades of experience and commitment to innovation, is the ideal partner for all electric motor maintenance and improvement needs, offering complete and tailor-made solutions, always guaranteeing the highest quality and reliability.

MISSION

PREVENTIVE MAINTENANCE

The aim is the prevention of failures and downtime. Advanced diagnostic tools are used to monitor the condition of the engines, performing regular inspections and targeted interventions. This ensures continuous and efficient operation, reducing downtime and maximising productivity.

FAULT MAINTENANCE (CORRECTIVE)

In the event of a failure, Lampas System provides a comprehensive service that includes failure analysis, repair and root cause analysis. Solutions are suggested to prevent future failures, ensuring greater reliability and longevity of the motors.

IMPROVEMENT MAINTENANCE

Lampas System offers repowering and revamping services to increase engine performance by up to 40%. After careful analysis of customers' specific needs, Lampas System develops customised solutions to improve the efficiency and power of motors.

The **ADVANTAGES** of maintenance done by Lampas System:

- **INSTALLATION:** analysis of working conditions for optimal installation.
- **CUSTOMISED SOLUTIONS:** design and realisation of customised solutions.
- **CERTIFIED RAW MATERIALS:** use of high quality and traceable materials to guarantee reliability and durability.
- **QUALIFIED PERSONNEL:** highly specialised team of experts.
- **RAPID SOLUTION:** timely intervention to limit plant downtime.

OUR CORE SERVICES

Lampas System is committed to offering complete, tailor-made solutions, always guaranteeing the highest quality and reliability. At the service of the heart of electric motors, ready to support customers with professionalism and competence.

TEST ROOM DIAGNOSTICS

Lampas System has a test room equipped with **calibrated instrumentation** for the diagnostics of electromechanical equipment and electric motors. This makes it possible to carry out accurate tests and promptly identify any anomalies, ensuring rapid and targeted interventions



PAINTING

High-quality protective coatings to ensure the durability and strength of the components.

VPI IMPREGNATION

Vacuum pressure impregnation services (VPI), also using customer-supplied resins, to improve electrical insulation and motor protection.

WRAPPING AND BANDAGING

Advanced wrapping and bandaging techniques to reinforce and protect various active components.

COMMUTATOR TURNING

Turning of commutators to ensure an optimal contact surface.

MICA CUTTING

Mica cutting services to restore the functionality of commutators.

BALANCING

Rotor balancing to reduce vibration and improve engine performance and reduce wear.

MODIFICATION OF CASINGS AND TERMINAL BOXES

Modification of casings and terminal boxes to adapt motors to specific installation requirements.

TIG COPPER WELDING

TIG welding to ensure strong and reliable copper joints.

AXIS ALIGNMENT

Axis alignment services to ensure proper motor operation and prevent premature wear.

VIBRATIONAL MEASUREMENTS

Vibrational measurements to monitor the health of motors and identify potential problems.

ANALYSIS AND ACTUALIZATION OF EXISTING SOLUTIONS

Technology assessments and upgrades to improve the performance and efficiency of existing electromechanical equipment.

OUR CORE PRODUCTS

Lampas System stands out not only for its maintenance and repair services, but also for its wide range of high quality products in the field of electric motors, committed to providing excellent products designed to meet the highest demands of the electromechanical sector. The company's dedication to quality and innovation allows it to offer reliable, state-of-the-art solutions.

THE OFFER INCLUDES:

DC MOTORS

DC motors with shaft heights from 120mm to 800mm. The motors are designed for high performance, energy efficiency and reliability in various industrial and customer-specific applications.

CUSTOMISED ROUND/ FLAT WIRE COILS

Custom-designed coils using high quality, traceable wire (round/flat). Coils can be made to customer specifications or co-designed by Lampas System.

MACHINES AND COMPONENTS PROTOTYPES

The study and realization of tailor-made prototypes for specific applications allows the customer to test and validate new solutions before mass production.

ELECTROMECHANICAL COMPONENTS

Wide range of electromechanical components for electric motors, including commutators, brushes, bearings and other essential components.

MECHANICAL COMPONENTS FOR MOTORS

Components and frames for motors, providing robust and durable structures that support and protect internal motor parts.

SUPPLY OF CUSTOMER-SPECIFIED INSULATORS

Customised electrical insulators according to customer specifications, using high quality materials that guarantee excellent electrical and thermal resistance.



OUR CORE MARKETS

TRANSPORTATION

Lampas System's offer services in the transportation sector specifically for harbours, ships, and railways. Services are provided on AC and DC traction motors, multi-phase on-board alternators. The test room and experience even on historical machines allow us to provide reliable and tailor-made solutions, guaranteeing high performance and long service life.

INDUSTRY

The industrial sector encompasses a wide range of applications, from manufacturing to industrial automation. Lampas System deals with DC, synchronous, asynchronous low and medium voltage motors, and ATEX solutions. It offers consultancy for the installation and resolution of existing problems, optimising the machine park.

ENERGY

The energy sector includes power stations, renewable energy plants and other critical infrastructure. Lampas System works with medium voltage and low voltage machines, and rotating exciters. On-site interventions are designed to ensure operational efficiency and minimise downtime.

RESEARCH CENTERS AND UNIVERSITIES

Lampas System collaborates with research institutes and universities for the development of new technologies and innovative solutions. Bespoke and project-based solutions from research centres are offered, supported by consulting services, product industrialisation, manufacturing and testing of individual parts, ensuring precision and innovation.

WATER TREATMENT

The water treatment industry requires durable and reliable components in harsh environments. Lampas System provides surface treatments and components suitable for the environment, using high-quality resins and paints to protect components from adverse environmental conditions, ensuring durability and reliability.



WHAT SETS US APART

ADVANCED TEST EQUIPMENT AND LONG EXPERIENCE ALSO WITH HISTORIC MACHINES



WHAT SETS US APART

SPECIALIST CONSULTING FOR OPTIMISATION AND RESOLUTION OF SYSTEM PROBLEMS



WHAT SETS US APART

ON-SITE SERVICES FOR MAINTENANCE AND REPAIR OF CRITICAL EQUIPMENT



WHAT SETS US APART

COLLABORATION WITH RESEARCH INSTITUTES FOR THE DEVELOPMENT OF INNOVATIVE SOLUTIONS



WHAT SETS US APART

HIGH-QUALITY PROTECTIVE TREATMENTS FOR AGGRESSIVE ENVIRONMENTS



Lampas System has a wide range of references, working with leading companies in the industrial, energy and transport sectors. Customers include some of the leading Italian and international companies, who rely on Lampas System's long experience and extensive expertise to guarantee the reliability and efficiency of their electric motors. Lampas System also collaborates with research institutes and universities to develop cutting-edge technologies and promote innovation in the electromechanical sector.

NIDEC

**AZA
ACEROS**

CERN

**PORT OF
GENOVA**

ETI

**FERALPI
GROUP**

DANIELI

**ELETTRA
SINCROTRONE**

**PORT OF
TRIESTE**

**ACCIAIERIE
VENETE**

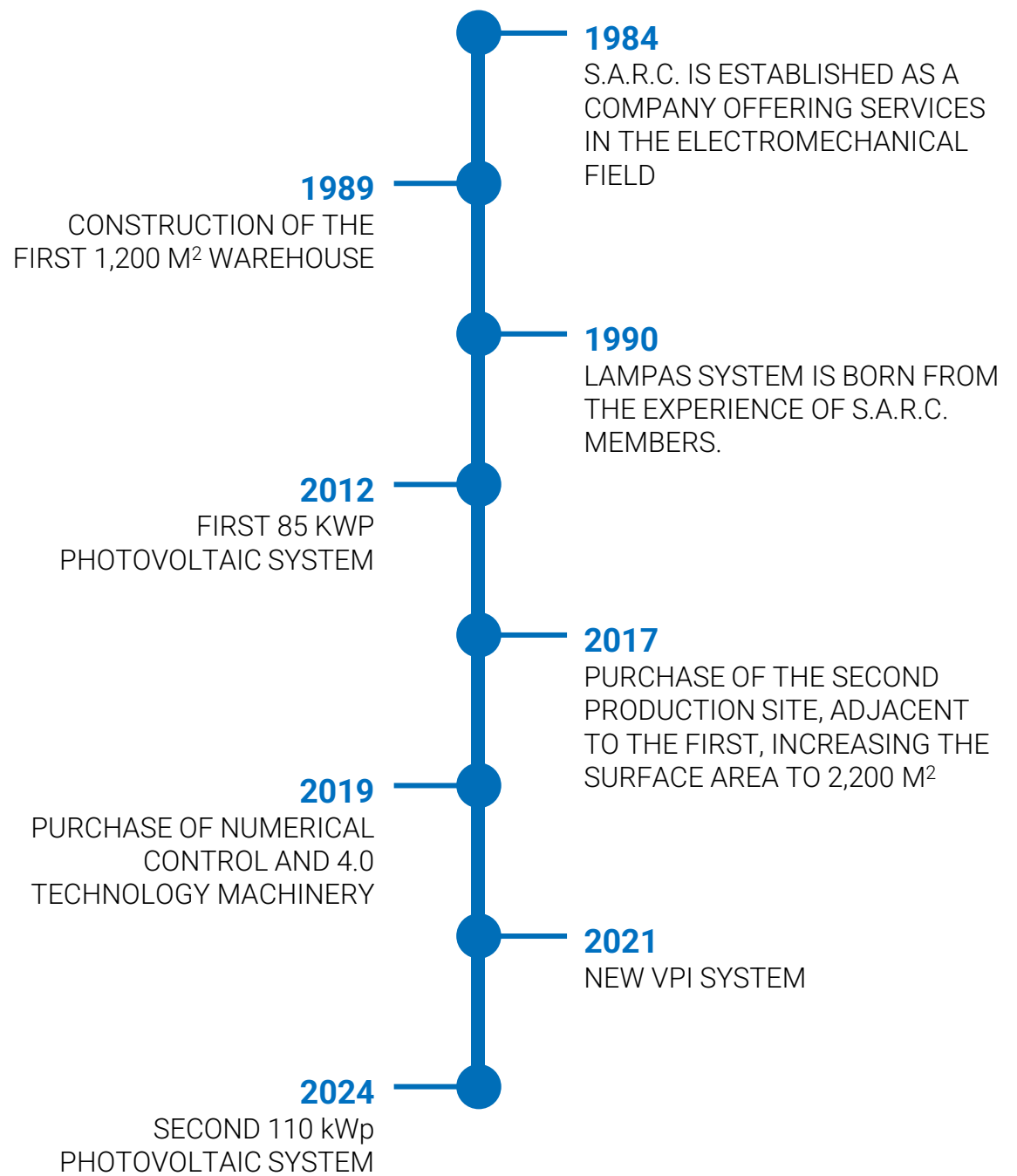
ERGOLINES

**DSR SIDER
ENGINEERING**

**UNIVERSITÀ
DEGLI STUDI
DI TRIESTE**

PITTINI

**TRIESTE
TRASPORTI**



Lampas System is distinguished not only by the quality of its products and services, but also by its commitment to excellence and innovation, attested by its numerous certifications and partnerships.

CERTIFIED PERSONNEL FOR BRAZING (ISO 13585)

Highly qualified personnel are certified according to ISO 13585 for brazing operations, guaranteeing maximum reliability and safety in machining.

EQUIPMENT CALIBRATED AT ACCREDIA-ACCREDITED LABORATORIES

The instrumentation is calibrated and verified at laboratories accredited by Accredia, ensuring the accuracy and reliability of measurements.

PHOTOVOLTAIC SYSTEMS


The company strongly believes in environmental sustainability with two photovoltaic plants with a total capacity of 200 kWp, contributing to the reduction of CO2 emissions and the promotion of renewable energy.

WINNER OF NATIONAL AND EUROPEAN TENDERS AND GRANTS FOR R&D, INNOVATION AND INDUSTRIAL DEVELOPMENT ACTIVITIES

The company has won numerous awards and grants for R&D, innovation and industrial development projects, demonstrating its ongoing commitment to technological progress. Lampas System's funded projects are national and European.





 VIA PETRONIO 2 – ZI NOGHERE
34015 MUGGIA – TRIESTE (TS)
ITALIA



LAMPASSYSTEM.COM



+39 040 231918



INNOVAZIONE@LAMPASSYSTEM.IT

CONTACTS

