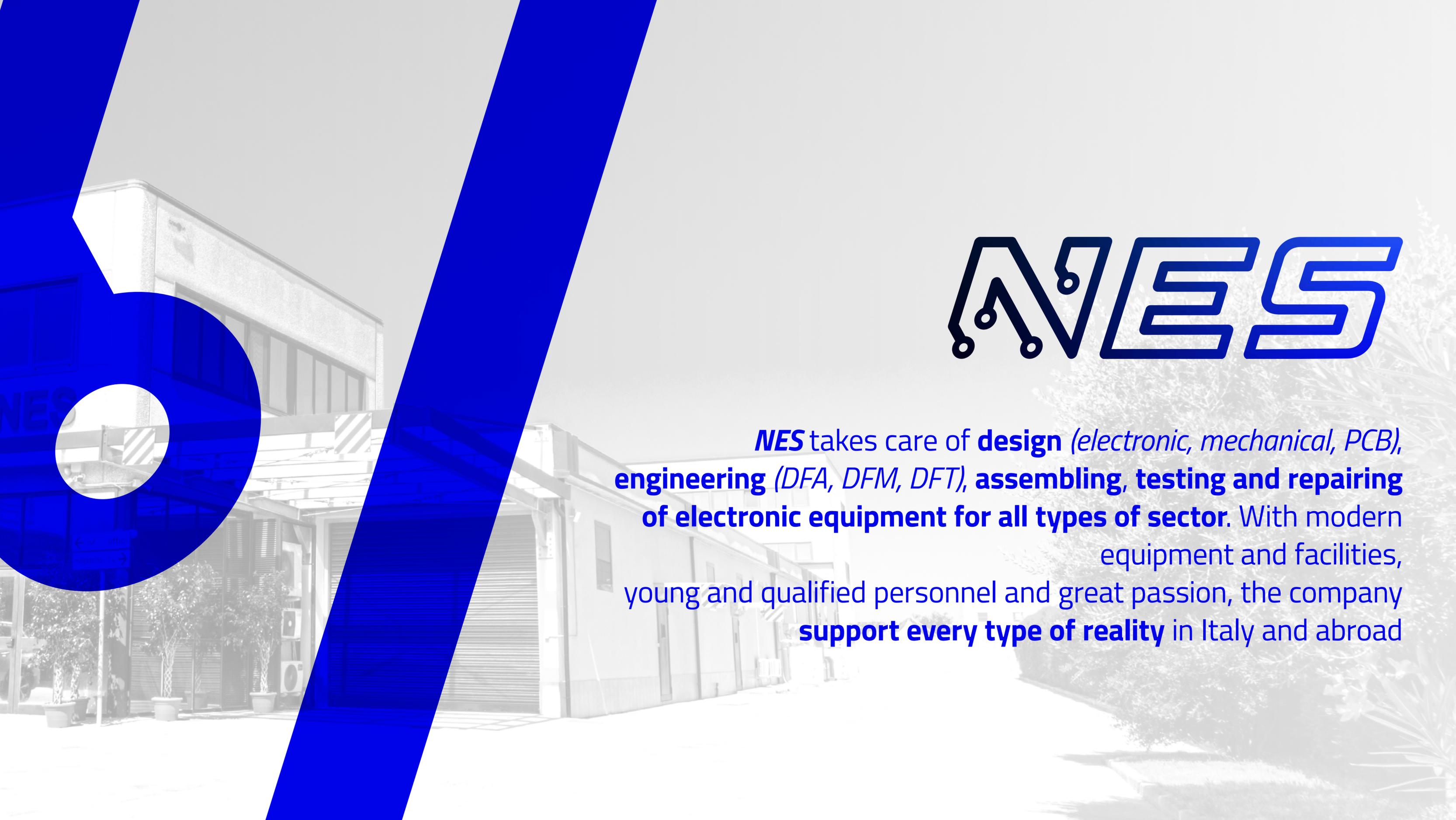


NES
— group —





NES

NES takes care of **design** (*electronic, mechanical, PCB*), **engineering** (*DFA, DFM, DFT*), **assembling, testing and repairing of electronic equipment for all types of sector**. With modern equipment and facilities, young and qualified personnel and great passion, the company **support every type of reality** in Italy and abroad

NES

— group —

NES

— product —

ASSEMBLING

Fast Prototyping, SMT, THT, wave soldering (SnPb and LF), vapour phase soldering, pressfit, SPI, AOI, XRAY, reballing

COATING

Selective coating system, two-component resin, automatic cleaning system, ionic contamination measurement

TESTING AND REPAIRING

ICT test, functional test, burn-in test, rework BGA test equipment manufacturing, repair service

NES

— service —

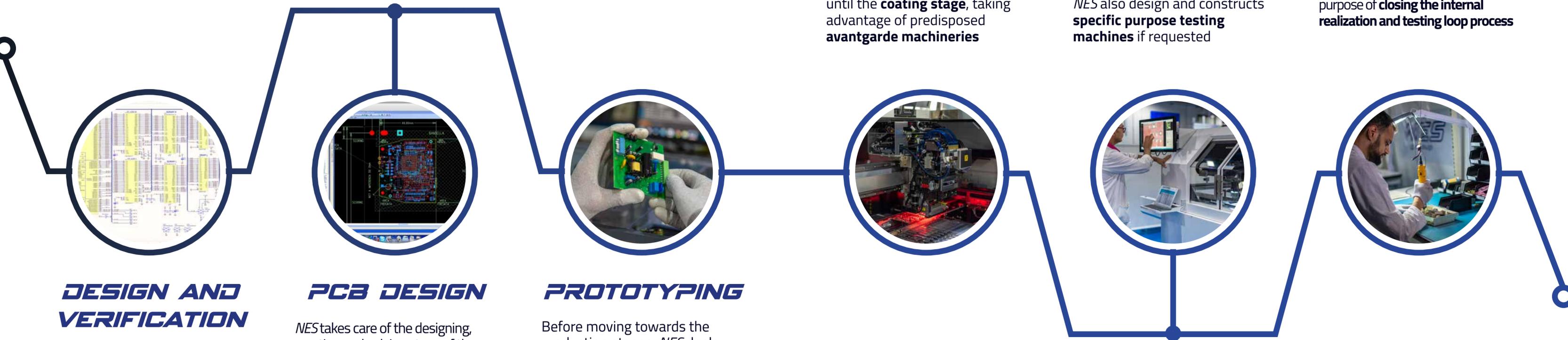
DESIGN AND ENGINEERING

Electronic design, PCB design, DFM, DFT, DFA, mechanical design, electrical and thermal analysis, product industrialization, test equipment design

MATERIAL MANAGEMENT

Rapid researching/budgeting of components from catalogs, purchasing components, obsolescence management, traceability, taping

PRODUCTION LAYOUT



DESIGN AND VERIFICATION

NES deals with the **design of electronic boards** ensuring **project problem solving** and **project verification tests** starting from the **customer's idea** or even eventual intermediate phases

PCB DESIGN

NES takes care of the designing, creating and solving steps of the realization of **printed circuit boards** following the origin projects

PROTOTYPING

Before moving towards the production stages, *NES* deals with the **creation of prototypes** in order to **verify the eligibility of the projects** following the **optimal standards** for the realization according to the customer's requests

Prototyping also applies to companies that needs **only this preliminary realization stage**

ASSEMBLING

After the prototyping, components are **selected and prepared** for the assembly phase

Leading the origin project, the **PCB goes through the various steps of automated assembly**, starting from the **positioning of the components** on the circuits until the **coating stage**, taking advantage of predisposed **avantgarde machineries**

TESTING

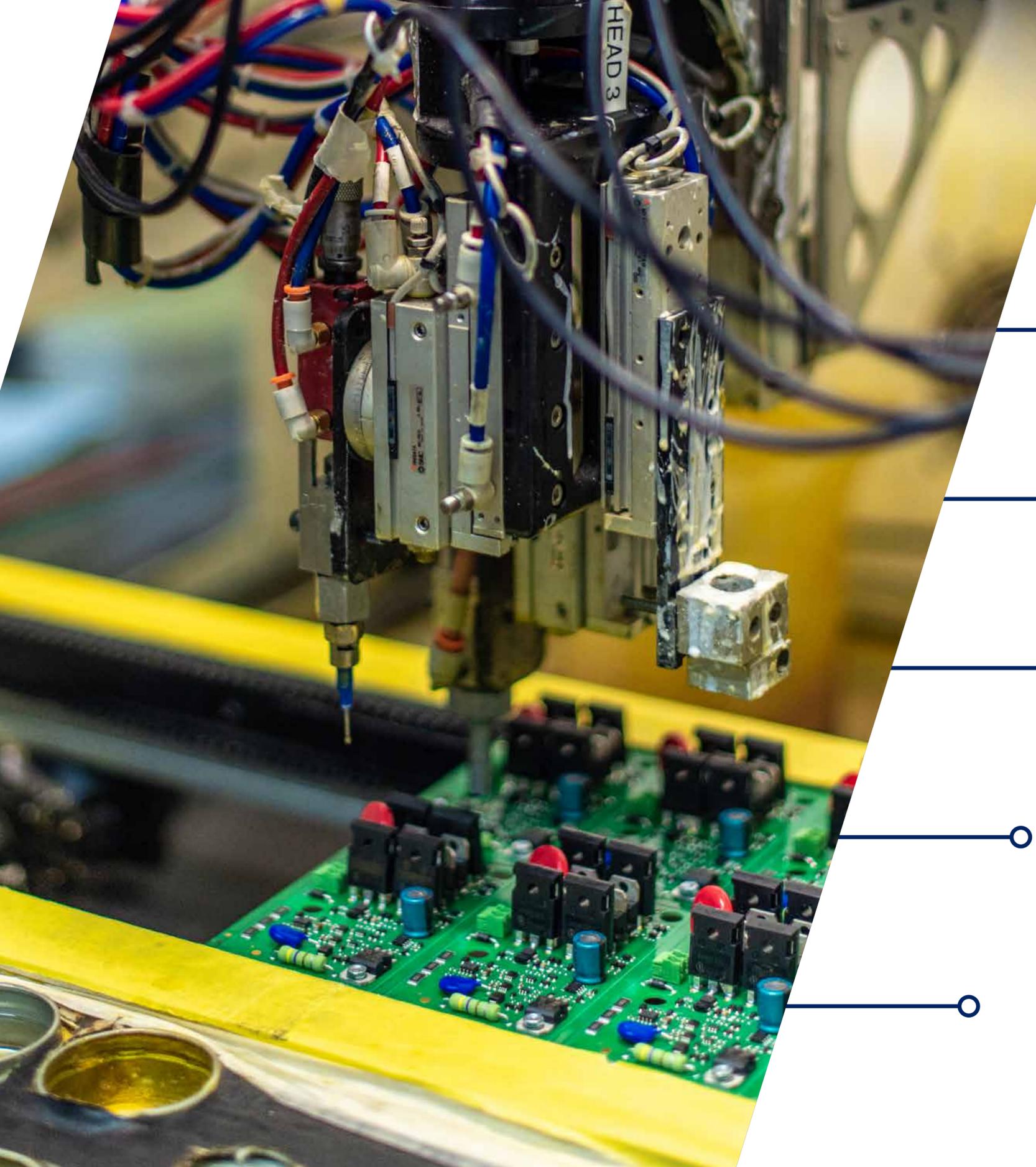
Complete PCBs pass through **different test and check phases** such as **x-ray analysis**, **micrometric measurement**, component testing and **climatic chamber**, aimed at verifying the effectiveness, performance and eligibility of the circuit

NES also design and constructs **specific purpose testing machines** if requested

MAINTENANCE AND REPAIR

NES offers a maintenance and repair service **on single or multiple** already existing projects as well as on their **own realized products**

This step also accomplishes the purpose of **closing the internal realization and testing loop process**



WHY **NES**

FULLY INTEGRATED SERVICE

The customer who relies on *NES* can find **complete support** in the realization of his project. Starting from client's idea up to the realization of the finished product, *NES* is able to offer every single step of the entire processing cycle internally

CERTIFIED COMPANY

NES has been released with the main certifications such as **ISO 9001, EN 9100, IRIS, ATEX etc.** to ensure quality in development and production. Furthermore, the staff is **highly qualified** and meets certifications such as **IPC 610T, IPC 7711/7721, J-STD-001 etc.** as well as it is **annually subject to checks** by the certifying body *RINA*

QUICK PROTOTYPING

Based on the complexity of the product and the components market availability, *NES* is able to provide a **complete prototyping service in 2/4 days** from the release of the first documentations

ALWAYS OPEN AND READY

NES is always ready and available to offer its services any time of the year

VANGUARD AND KNOW HOW

By investing every year, *NES* is continuously updated with the most modern production equipment, **increasingly expanding the range and quality of the services offered.** Thanks to its skills it is able to provide customers with the **best solutions** for the realization of their projects



TRASPARENCY

Loyal customers have the possibility via an **internet dashboard** made available by *NES*, **to follow the work progress** and to obtain informations about production line **in real time**

TEST ENGINEERING

NES designs **testing strategies** for a product and even **complex equipments for testing the product itself**, providing certifications and manuals

SOLIDITY

NES can **guarantee long-lasting partnerships** to customers, thanks to the adoption of medium and long term based strategies and thanks to a careful economic-financial management that made the **company solid**

FLEXIBLE STOCK CAPABILITIES

Thanks to his financial strenght, *NES* is capable to offer **storage of even half-processed products** for their clients; the opportunity of **completing the assembly even few days before the delivery** gives to the customers the chance to place their orders with a **long term timing**

FAST SMT PRODUCTION

With three indipendent SMT production lines with a **power rate of 160.000 components mounted per hour**, *NES* is well capable of handling **high manufacturing numbers** without even interfering with his prototyping line

NATIONAL LOGISTIC COVERAGE

Thanks to his two facilities based in *Caserta* and *Bologna*, *NES* guarantees **logistic coverage upon the whole national territory**, approaching managerially and physically to his clients

APPLICATION SECTORS



- SPACE
- AVIATION
- DEFENCE
- RAILWAY
- INDUSTRIAL
- TELECOMMUNICATIONS
- RADIO DETECTOR
- AUTOMOTIVE
- DOMOTIC



***EQUIPMENTS
— & TOOLS —***

SMT DEPARTMENT

2 SCREEN PRINTER DEK
(HORIZON 03I AND 03IX)

2 SPI
(TRI TR7007QI)

3 SMT LINES
(6 JUKI P&P RS1)

2 REFLOW SOLDERING SYSTEMS
(VITRONIC S. MY REFLOW 820)

2 AOI
(TRI TR7500 SIII 3D)

1 Vapour PHASE SOLDERING SYSTEM
(ASSCON VP800)

1 AUTOMATIC TAPE AND REEL SYSTEM
(ADVANTEK ATR1000)

1 ULTRASOUND WASHING MACHINE
(SRA T. UC 150D)

1 XRAY
(NORDSON DAGE RUBY XD7600NT)

1 REWORK BGA
(ERSA HR600 AND REBALLING KIT)

THT DEPARTMENT

2 WAVE SOLDERING SYSTEMS
(VITRONIC SOLTEC DELTA WAVE 6622, ESSEPI S300ECO)



CONFORMAL COATING DEPARTMENT

1 SELECTIVE COATING SYSTEMS

(PVA DELTA 6)

1 INFRARED HEAT CURING CHAMBER

(PVA IR2000)

1 COATING CABIN

(PACINI 2 M)

1 CLEANING SYSTEM

(PBT COMPACLEAN III)

1 IONIC CONTAMINATION TEST SYSTEM

(SCS IONOGRAPH 500M STD)

2 TWO COMPONENTS RESIN DISPENSER

(CONTALDI INDUMIX IA)

1 OVEN MPM

(M400-VF)

TEST DEPARTMENT

1 CLIMATIC CHAMBER

(ANGELANTONI DISCOVERY DM600 C ES)

1 FLYING PROBE TESTER

(SPEA 4060S2)

1 FIRST ARTICLE INSPECTION SYSTEM

(EXTRA EYE X3020)

CAD, XJTAG, LABVIEW





WHERE WE WORK

ITALY

Bari

Roma

Firenze

Pisa

La Spezia

Genova

Milano

Bologna

Verona

Treviso

GERMANY

SWITZERLAND

SWEDEN

SPAIN

REFERENCES

GLOBAL

LEELEN TECHNOLOGY - *CHINA*

ANYLINK - *GERMANY*

CONSILIUM - *SWEDEN*

CERN - *SWITZERLAND*

INSTER - *SPAIN*

ITALIAN

LEONARDO

MBDA

PRISMA TELECOM TESTING

INFN Istituto Nazionale di Fisica Nucleare

MARINI Impianti Industriali

MOOG

IDS Ingegneria Dei Sistemi

ABB

BOMBARDIER

SIRTI

RIELLO UPS

IDS GEORADAR

SELETECH

ELSEL

MICRODATA DUE

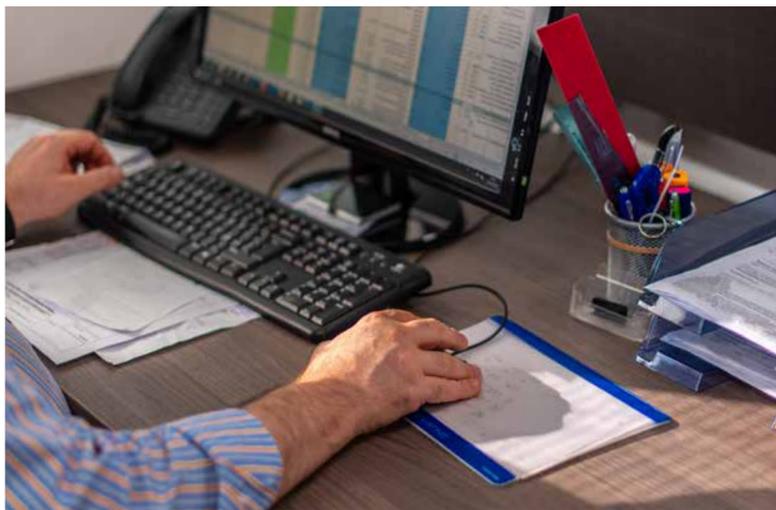
OUR OFFICES



CASERTA - HEADQUARTER

Zona Industriale ASI
81032 Carinaro - Caserta, Italy
Tel. **+39 081 502 81 47**

-  Design and Engineering
-  Material Management
-  Assembling
-  Coating
-  Testing and Repairing



BOLOGNA - BRANCH

Via Ungheri 7/A
40012 Calderara di Reno - Bologna, Italy
Tel. **+39 05 172 54 56**

-  Design and Engineering
-  Material Management
-  Testing and Repairing





COMPANY CERTIFICATIONS



TEAM CERTIFICATIONS



NES
— group —

NES
— service —

NES
— product —

www.nesitalia.com