



Renewable. Reliable.



**Innovation and experience  
in the photovoltaic sector**



## Who we are



LT is much more than a maintenance and design company in the renewable energy sector: it is a benchmark for a sustainable future.

A Terna Group company, LT offers design, construction and maintenance, revamping and repowering services both of industrial photovoltaic rooftop systems and on a "utility scale" on the ground, with special attention paid to safety.

Customer care and responsibility, constant research into technological innovation, rapid response and respect for the environment are the underlying principles governing our work.

With over 20 years of experience in the sector, the company focuses on medium and large-size photovoltaic plants, to date guaranteeing a full-service contract for every kind of plant and full operations throughout the country.

With our in-house team of experts, we guarantee a comprehensive service also taking care of the safety of the plants, the management of insurance policies and admin for public and private bodies.

Thanks to our large portfolio of national and international clients and our consolidated experience of more than 1.3 GWp of maintenance plants and 500 MWp under management, we are able to interpret and meet the most complex needs of our customers.

With over 200 employees and a widespread presence throughout the country, business branches, warehouses and local units, both in the North and South of Italy (including the islands), we guarantee a service operating around the clock 365 days a year.

LT  
Responsibility  
is Care

### HAND OVER AND DUE DILIGENCE

We conduct a thorough due diligence with certified specialised equipment in order to guarantee an optimal yield. We handle administrative paperwork and submit a final report with suggestions for improvement.

### STATE-OF-THE-ART MONITORING 24/7

Remote supervision via customised software, guaranteeing ample telemonitoring of the key parameters of the plant. Plant Availability: range 98-99%.

### ANALYTICS

Using dedicated software, we undertake a detailed analysis of the plant's performance, comparing electric output, radiation and cluster of similar plants with an aim to optimising performance.

### ADVANCED DIAGNOSTICS

We conduct a thermographic analysis of modules, of DC and AC switchgears and of transformers, also with the aid of drones and electroluminescence testing of photovoltaic modules.

### ROUTINE MAINTENANCE

Scheduled tasks, washing, green management and eradication of rodents, of components and insurance, including also minor faults and repairs. On-site measurement and inspection services.

### MAJOR REPAIRS AND MAINTENANCE

Operations regarding the handling of high, medium-level and force majeure incidents; these also include the drawing up and planning of specialist analyses such as the repowering and revamping of different components of the plant.

### SECURITY

Design of burglar and trespassing alarm system; installation of microwave integrated perimeter CCTV application; installation of CCTV systems with thermal technology and video analysis, vibration-sensitive anti-theft cables for modules and power cables.

With our experience and skill, we can guarantee maximum energy efficiency and safety of the plant, enabling our customers to concentrate on their own core businesses.

Over  
1,3 GWp of  
photovoltaics  
under  
management

## Services

### Engineering Procurement Construction/ Revamping/ Repowering

LT offers a complete range of services for the creation of complex photovoltaics plants, from the design to testing and activation. Our commitment begins with the Procurement phase, guaranteeing the prompt and appropriate purchase of quality components through top international suppliers.

Our design operation is run by qualified technicians presenting complete projects, from preliminary designs to As Built, guaranteeing correct installation.

We offer full assistance to our customers with the paper work required for the authorisation process.

During Commissioning and obtaining of the Final Acceptance Certificate (FAC), we carry out tests and trials to ensure

the correct functioning of the installed components, including the process of the commissioning of the inverter and verification of current and voltage values, ground-fault protection devices, isolation of electrical circuits, ignition, shutdown and supplier failure tests.

Construction is managed by dedicated Project Managers, who supervise each stage of building, including the employing of qualified and certified subcontractors and the connection to the power network.

With our revamping service, we modernise and improve existing plants, while with our repowering service, we increase power and efficiency, without compromising the integrity of the system.

More than 500  
MWp of plants  
made with EPC/  
Revamping mode.



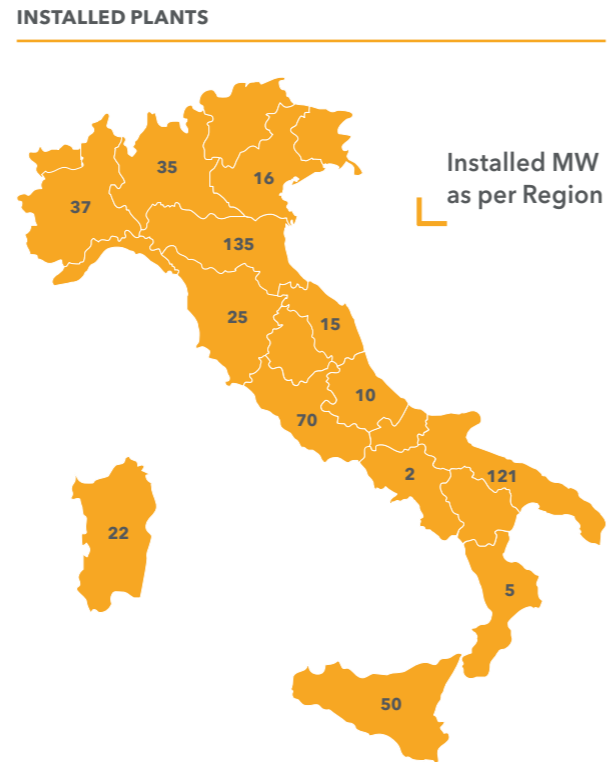
We are the ideal choice for the building of modern and turnkey photovoltaic plants

# Presence across the country and managed power

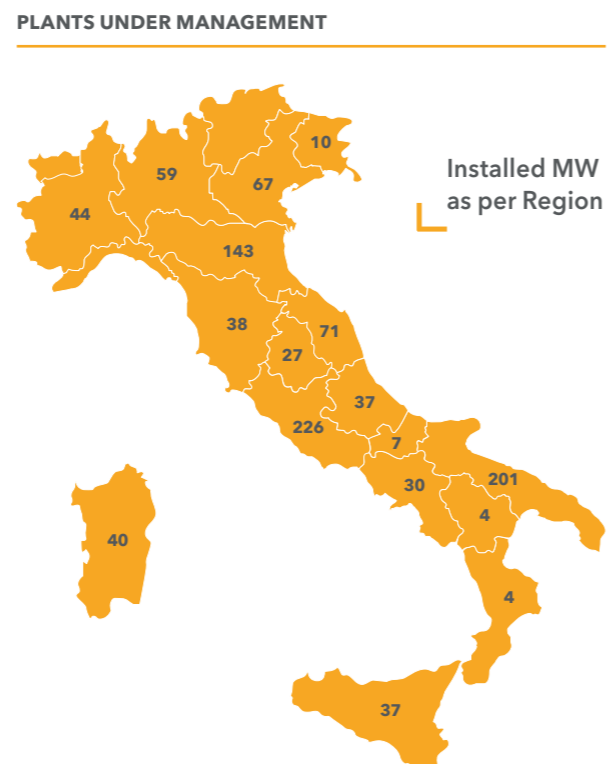
LT is a leader in the Italian photovoltaic market

LT is specialised in the installation and maintenance of every kind of photovoltaic plant, boasting a proven experience both with ground-mounted plants, also with technological tracker, and with rooftop installations, green houses and canopies.

The group's customer portfolio has an overall power management capacity of around 1.3 GWp and more than 500 MWp of plants installed with the EPC/Revamping system.



**560 MWp**  
Plants installed abroad  
Mainly "Utility Scale" plants



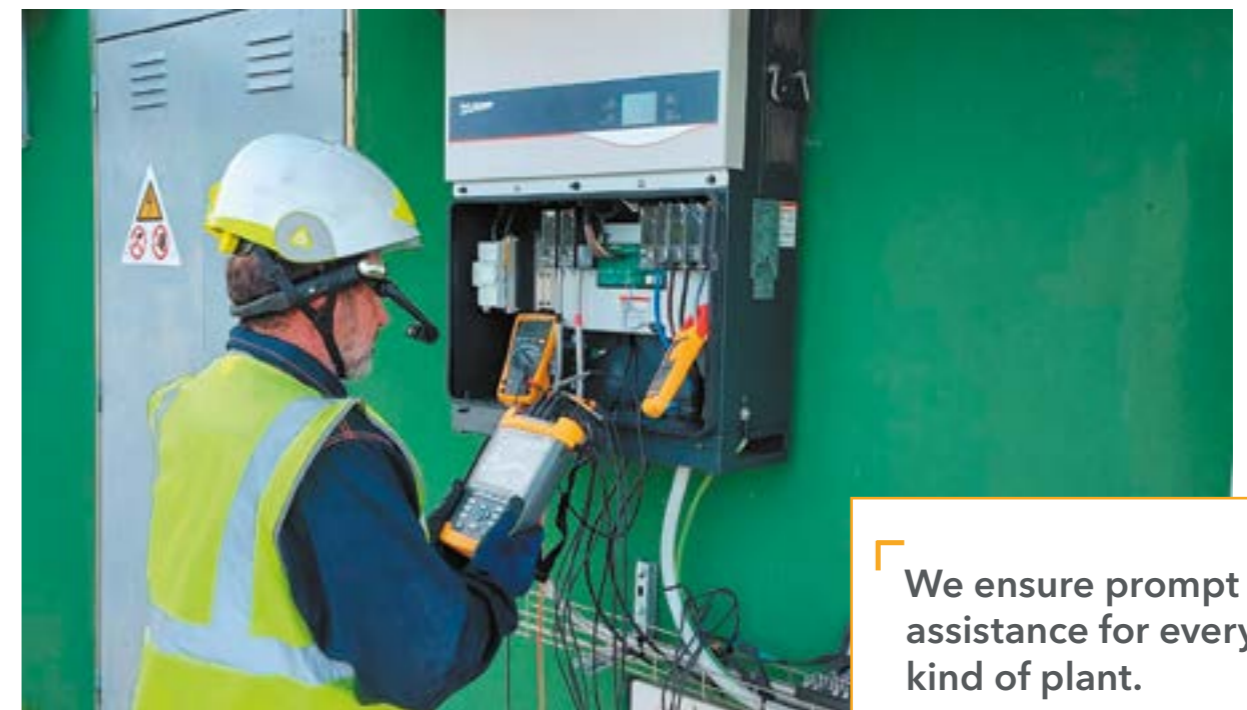
# LT & Augmented Reality

Thanks to our cutting-edge technology and integrated A.R. (Augmented Reality), our service is today even more efficient and innovative.

The integration of augmented reality visors issued to our onsite makes our service even more efficient enabling us to consult manuals and projects in Real time, film work that has been carried out and ensure progress of activities.

Moreover the system enables us to carry out Virtual Site Visits to the plant.

Our staff of engineers, supported by proprietary software platforms, are committed to tracking, analysing and improving performance.



We ensure prompt assistance for every kind of plant.

## LT CARE - HBA

LT Care represents LT's wide range of services for the Regeneration and Repair of photovoltaic inverters through its subsidiary, Half Bridge Automation (HBA).

Thanks to the technological and logistical know-how of HBA, LT Care is able to guarantee its own clients Regeneration/Repair interventions both in the laboratory and on-site (via reverse engineering processes), working throughout Italy on any type of inverter, regardless of its technical specifications and the system's location.

The advantages for the client include a coordinated management of major repairs and maintenance, optimised repair time and guaranteed predictive maintenance interventions, i.e. aimed at extending the life cycle of electronic devices and preventing failure.

HBA, furthermore, develops automation services and systems aimed at the energy efficiency of photovoltaic plants, with distinct expertise in the retrofitting of solar trackers and in the development of monitoring, control and output analysis devices, such as Central Plant Controller.

[www.hbasrl.com](http://www.hbasrl.com)

## Why choose LT

- LT offers more than a mere service: it guarantees care and transparency in every relationship.
- The relentless pursuit of technological innovation makes LT a cutting-edge company, ensuring efficient and modern solutions.
- Our clients choose LT for its reputation and reliability, innovation and speed in solving problems, along with its vast range of services and the technical skills the company offers.
- The combination of these qualities, LT is a perfect partner for entrepreneurs and administrators striving for advanced and sustainable energy solutions.
- From design to maintenance, we offer a complete service for your business!

**Discover  
the energy  
of the future  
with LT!**

## Contacts

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#### COMPANY CERTIFICATES

ISO 9001:2015  
ISO 45001:2018  
ISO 14001:2015

#### CERTIFICATES:

PES/PAV/PEI for powered or unpowered  
work in low and medium voltage



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