

Techbau
Green Energy



Techbau Green Energy

Born from the experience and know-how of Techbau S.p.A., a leading company in the construction sector, Techbau Green Energy positions itself as a specialist in the development of sustainable projects.

The company focuses specifically on the construction and management of photovoltaic systems, both rooftop-mounted and ground-mounted, extending its offering to include the management of Power Purchase Agreements (PPAs) for the energy produced.

What we do

Techbau Green Energy is committed to shaping the future of renewable energy in Italy. Building on the **know-how** and **experience** of its parent company, **Techbau S.p.A.**, the company specializes in the development, construction, and management of photovoltaic systems. Its business model focuses on the following **core activities**:

01

Sale of energy and Guarantees of Origin through different PPA models, involving both leading traders and major national companies.

05

Full in-house management of all activities related to plant connection to the National Transmission Grid (NTG), from the quotation request to the distributor through to obtaining the production licence.

02

Development of renewable energy initiatives, with a specific focus on photovoltaic technology.

06

Ensuring optimal plant performance through routine and extraordinary maintenance activities.

03

Management of authorization and permitting processes in coordination with the relevant institutional authorities.

07

Development of partnerships as a third-party energy producer within Renewable Energy Communities (RECs) in Italy.

04

Oversight of contract management with clients and partners.

How we do

Permitting

TBGE entrusts Techbau with the full management of the authorization process required for plant construction, ensuring compliance with all applicable regulations.

Hse

Through Techbau, TBGE prioritizes health, safety, and environmental protection, ensuring regulatory compliance and continuously improving performance through the SEMS management system.

Assurance

Techbau Green Energy benefits from Techbau's expertise in providing tailored insurance solutions aimed at protecting investments and mitigating risks associated with renewable energy plants.

Development

TBGE leverages Techbau's experience to support clients across the entire process, from initial search and due diligence to property acquisition, financial analysis, and full project management, drawing on internal collaboration.

Construction

Drawing on Techbau's experience, Techbau Green Energy designs and builds photovoltaic systems using advanced engineering solutions to maximize efficiency and sustainability.

Quality

TBGE leverages Techbau's Quality System to improve deliverables, foster innovation, reduce risks, and optimize costs, thereby maximizing the client's return on investment (ROI).

PPA

TBGE, together with Techbau, develops and manages Power Purchase Agreements (PPAs) to optimize energy sales and ensure economic stability. The company develops and sells energy in partnership with Iren and Ego Energy.

Finance

Leveraging Techbau's financial expertise, TBGE structures customized financial solutions to support renewable energy investments and ensure long-term economic sustainability.

Iter connection

With Techbau's support, TBGE manages the entire grid connection process, from the initial request through to obtaining the electric workshop authorization and/or company code.

Business model photovoltaic

Existing Buildings

Starting from an analysis of the current situation, **TBGE** develops a proposal for the implementation of a new photovoltaic system, adapting it to the existing structure or modifying the structure through appropriate improvements, while ensuring correct and optimal installation conditions. The implementation process remains unchanged, as do the subsequent energy supply and the management, monitoring, and maintenance of the installed system.

Techbau Green Energy's certification strategy for existing buildings starts with a detailed analysis, focusing in particular on the **BREEAM RFO** protocol and **CRREM** analysis.

TBGE's intervention is structured around four main areas of improvement, including:

- Building envelope
- Central systems
- Plant terminals
- Interior design

New Builds

Photovoltaic System Installation:

TBGE installs a photovoltaic system on the client's property, which is subsequently leased to TBGE. The client is guaranteed a fixed return throughout the entire lifecycle of the system.

Contract type:

1. Photovoltaic system leasing
2. Roof lease — with TBGE bearing the investment in the photovoltaic system

Maintenance:

TBGE assumes full responsibility for the routine and extraordinary maintenance of the photovoltaic system.

Monitoring:

TBGE monitors the energy parameters of the systems and provides periodic reports to the client-consumer to assess system efficiency and consumption.

Ground-mounted Systems

TBGE focuses on projects that avoid land consumption and support the redevelopment of areas at risk of abandonment. The company manages the environmental recovery of disused quarries and sites requiring remediation.

Design and Planning

TBGE analyzes the site and designs the system to maximize energy production while ensuring compliance with local regulations.

Permitting and Authorizations

TBGE obtains the permits required for construction and grid connection.

Construction and Installation

Installation of support structures, photovoltaic panels, inverters, and monitoring systems.

Energy Production

The system begins producing energy, either feeding it into the grid or allocating it for self-consumption.

Maintenance and Optimization

TBGE provides routine and extraordinary maintenance to ensure long-term efficiency and optimize production.

Green thinking

Environmental certifications that enhance building value, efficiency, and sustainability.

Techbau Green Energy supports buildings in achieving prestigious international environmental certifications such as LEED, BREEAM, and ISO 50001. Thanks to the experience of our LEED APs, BREEAM Assessors, and Energy Managers, we ensure compliance with the most rigorous sustainability standards, improving energy efficiency and environmental performance. Obtaining an environmental certification does not only mean reducing consumption and emissions: it represents a true strategic advantage, capable of increasing the attractiveness and overall value of the property. A certified asset generates greater interest in the sales and leasing market, responding to the growing demand for sustainable solutions from investors and buyers. Through a targeted approach, Techbau Green Energy integrates advanced tools such as Life Cycle Assessment (LCA) and Carbon Footprint Analysis, delivering tangible and long-lasting benefits from both an environmental and economic perspective.

BREEAM®

BREEAM
CERTIFICATION



USGBC
MEMBER

LEED
CERTIFICATION

TBGE firmly believes that a robust Quality System provides the foundation for improving the quality of deliverables.

Quality principles are embedded in our DNA, because we are passionate about:

- 01 Listening to the needs of our clients and all stakeholders
- 02 Operating through lean and agile processes
- 03 Measuring our performance to drive continuous excellence and generate value

TBGE operates according to the highest standards of quality, sustainability, and safety, as demonstrated by our certifications:

- **ISO 9001:2015** – Ensures an efficient quality management system oriented towards continuous improvement
- **ISO 14001:2015** – Confirms our commitment to environmental management by minimizing the impact of our activities
- **ISO 45001:2018** – Certifies the adoption of rigorous workplace health and safety protocols

SafetyTech

TBGE is actively committed to complying with all relevant environmental and safety regulations. Our goal is to continuously improve our performance through the implementation of appropriate programs, effective controls, proper resource allocation, and staff training.

Safety, environmental protection, and occupational health are fundamental aspects of Techbau's activities. We recognize their importance not only in the construction sector, but also for the well-being of the entire community. Our commitment extends to the definition and maintenance of a Safety and Environmental Management System (SEMS). This system establishes the procedures for defining responsibilities, processes, and resources within our organization.

It is designed to ensure the implementation of our corporate prevention policy in compliance with current health, safety, and environmental regulations. We are firmly committed to monitoring and continuously improving our safety and environmental performance through the operational framework of the SEMS.

Our management system is carefully defined, documented, implemented, and regularly updated to ensure its effectiveness and alignment with our corporate safety and environmental objectives. This commitment also extends to compliance with ISO 45001:2018 and ISO 14001:2015 standards.

Solar for life

Techbau Green Energy guides you towards sustainable buildings powered by renewable sources, fostering environmental awareness through solar energy production.

Techbau Green Energy S.p.A.

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