



TECNALOGIC®

Company Profile

“Nullum magnum ingenium sine mixtura dementiae fuit”

Lucio Anneo Seneca

Who we are

- Tecnalogic is an Italian Research & Development company, focused on creating new optimization methods for the energy, environment and agri-food sectors in order to aggregate and modulate the needs of producers and consumers;
- The know-how developed over the years has led to the definition and testing of methods for the **Profiling, Scheduling and Balancing** of energy resources.

The innovation model

- For each specific verticalization in the Commodities sector, Tecnalogic studies innovative optimization methods, formalizing them in one or more intellectual properties;
- These methods are the foundations of the resulting technology transfer, implemented through the design of IT services.

What we offer

- Thanks to the know-how and patented methods of which it is licensee, Tecnalogic is able to design software solutions and services for the energy, environment and agri-food sectors according to the specific needs of the customer;
- Tecnalogic also offers strategic consulting for the study and design of new business models in the commodities sector.

The added value

- After years of in-depth studies and experiences in the commodity markets, Tecnalogic has defined methods that allow the creation of software solutions and services identifiable as "disruptive technologies" since positioned in the middle between supply and demand in the reference sectors;
- Tecnalogic's exclusive solutions help fill information and communication gaps between producers and consumers, making today's monolithic supply chains dynamic, favoring the birth of new business models and creating the digital representation of energy.

Expertise

- Energy resources programming;
- Definition and implementation of energy purchase strategies;
- Risk management of the energy portfolio;
- Reduction and economic valorization of CO2 emissions;
- Energy flows traceability;
- Agri-food products traceability at the origin;
- Waste traceability and integration in the context of a circular economy.

Business model

Application Areas

Facility Management Automation Digital Marketing Big Data Analytics
Business Intelligence Social Networking Energy Monitoring Web & Mobile
Open Data Web TV Energy & Risk Management Internet of Things

Sectors of Interest

Energy

Environment

Agri-food

Tecnalogic's Activities

IP Registration – R&D Projects – Strategic Consulting – Software development



Portfolio 1/2

- **Energy Professional Assessment** - Contracts and supply prices analysis for the reduction of energy costs through the research of the best market conditions for specific consumption needs;
- **Energy Treasury Management** - Operational support in the financial and administrative management of energy supply activities;
- **Energy Profiling Service** - Basic IT service for the identification of the hourly electric profile through data acquisition from smart meter;
- **Oratrios** - Advanced IT service for the identification and management of the characteristic energy profile through exclusive *Profiling*, *Scheduling* and *Balancing*.

Portfolio 2/2

- **Software Development** - Analysis, design, development, testing and application support for commissioned software, with particular focus on energy and energy efficiency;
- **Digital Signage** - Technological solution for business communication that aggregates multimedia contents from different social and web sources, making them usable on television systems;
- **Agrifood Traceability** - Technological solution for the traceability of the entire life cycle of an agri-food product through sensors and digitization of specific knowledge bases for the sector.

Intellectual properties

- Italian Patent for Industrial Invention N.0001419107 - "*Metodo e dispositivo per la profilazione e la schedulazione di consumi elettrici*";
- Italian Patent for Industrial Invention N.0001419109 - "*Metodo e dispositivo per il bilanciamento di consumi elettrici*";
- International Patent for Industrial Invention N.WO2015/015267 A1 - "*A method and a device for balancing electric consumption*" - Countries: EU, Russia, USA;
- Italian Patent for Industrial Invention N.0001421371 - "*Metodo e dispositivo per la profilazione e la schedulazione della produzione ed immissione in rete di energia elettrica*";
- Italian Utility Model N.0000275451 - "*Sistema di monitoraggio controllo e di previsione delle emissioni di biossido di carbonio (anidride carbonica, CO₂) derivanti dai consumi elettrici dei carichi ad esso direttamente connessi.*".



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