





# Advanced Technological Solutions for Space and Energy Sectors.

*Founded in 2001, Digimat S.p.A. has built a solid reputation as a provider of advanced technological solutions and services.*

Over the years, the company has grown into a trusted partner in the space and energy sectors, combining technical expertise with a forward-looking approach to sustainability and innovation.

# Cross the main Areas of Activity.

*With a focus on satellite data analysis and energy optimization, Digimat S.p.A. combines expertise, technology, and sustainability to deliver impactful solutions.*

By leveraging its in-depth knowledge and advanced tools, the company supports global efforts to address critical challenges in environmental management and energy transition.

01

## Space Sector: Satellite Data Analysis

### Earth Observation and Remote Sensing.

Digimat processes satellite data to monitor land use, vegetation changes, and natural resources. These insights are valuable for agriculture, urban planning, and sustainable resource management.

### Climate Monitoring and Environmental Applications.

The company provides tools to analyze satellite imagery and atmospheric data, enabling the study of climate patterns, air quality, and the impact of natural disasters. This supports environmental protection and disaster response strategies.

### Data Integration and Custom Analytics.

Digimat develops systems for integrating satellite data with other data sources, offering custom analytics solutions tailored to the specific needs of clients, such as tracking pollution levels or optimizing logistics through geospatial insights.

### Satellite Data for Security and Infrastructure.

By analyzing geospatial data, Digimat supports applications in national security, border monitoring, and infrastructure management, helping governments and private organizations make informed decisions.

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02

**Energy Sector:  
Driving Efficiency and Sustainability**

## **Energy System Optimization.**

Digimat develops data-driven tools to optimize energy production and distribution processes, ensuring cost-efficiency and reduced waste across the supply chain.

## **Integration of Renewable Resources.**

The company supports the adoption of wind, solar, and other renewable energy sources by designing systems that ensure their seamless integration into existing energy networks.

## **Smart Grids and Energy Analytics.**

Digimat creates solutions for smart grid management, enabling real-time monitoring and predictive analytics to enhance grid stability and support demand-response initiatives.

## **Research in Energy Innovation.**

Digimat invests in the development of new technologies, such as hydrogen systems and energy storage solutions, to accelerate the global shift toward sustainable energy systems.

# Driving Efficiency and Sustainability.

*Basilicata has all the potential to become a model of energy sustainability, thanks to its natural resources for renewable energy and the aerospace expertise in the region.*

By combining solar and wind energy with space technologies, the region can optimize energy production and improve resource management.

This approach will reduce energy poverty, maximize self-consumption, and provide an economic boost to rural areas, fostering a sustainable energy transition.

**Space@Energy:**  
The public sector perspective

## **Basilicata. Territorial Characteristics.**

Ideal for solar and wind energy production due to diverse landscapes (mountains, plains, and coastal areas).

Renewable Energy:

**Solar Energy:** High solar irradiation potential.

**Wind Energy:** Favorable wind conditions, especially in inland areas.

## **Renewable Energy Communities (RECs).**

**Self-Sufficiency:** Communities can produce, consume, and manage their energy autonomously.

**Incentives:** Incentives provided if at least 40% of the energy is consumed internally.

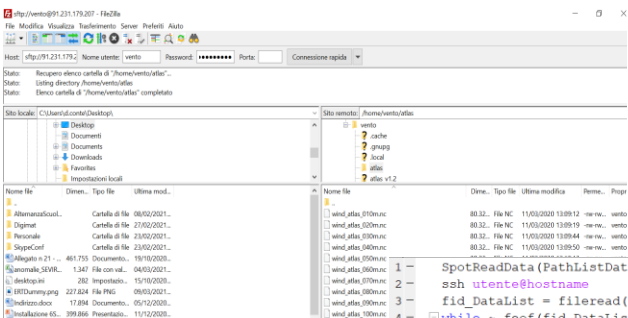
**Impact on Small Towns:** Provides solutions to energy poverty and promotes local sustainability.

**Economic Opportunities:** Can stimulate local economies and contribute to repopulation of small towns.



# The potential of space for the energy sector.

We are already at work.



## 1. Advanced Energy Monitoring

- Collects and analyzes **real-time energy consumption data** from **Renewable Energy Communities (RECs)**.
- Monitors the energy produced from renewable sources (e.g., solar, wind) and consumed locally.
- Enables optimal resource management and efficient energy use.

## 2. Satellite Data Analysis

- Integrates satellite data to estimate solar irradiance and wind speed in real-time.
- Accurately forecasts renewable energy production for the next 24-48 hours.
- Optimizes production planning based on weather and climatic conditions.

## 3. Energy Consumption Forecasting

- Uses AI algorithms to analyze historical consumption data and predict future energy demand.
- Enhances planning and optimizes energy use, minimizing waste and maximizing self-consumption within the REC.

## 4. GSE Reimbursement Optimization

Maximizes **self-consumption** and minimizes energy fed into the grid. Since only **internally consumed energy** is reimbursed by the GSE, optimizing energy use is crucial to obtain the maximum reimbursements. Reinvests the funds generated into **local services** and development.

## 5. Funds and Incentive Management

Simplifies the process of **applying for** and **distributing GSE reimbursements**.

## 6. Integration and Community Participation

Encourages **active community participation** in energy management. Provides tools for **fairly distributing the economic benefits** of energy production, improving **social cohesion** within the REC.



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