

ADVANTAGES OF INT IN THE ENERGY INDUSTRY

applications, since it is at a time of

profound changes in the distribution

and commercialization models and

only through the IoT the sector will be

able to face current challenges.

Real time

relevant information, which allows

detecting problems, even before they

The creation of an IoT environment is one of the disciplines that are allowing

occur, and optimizing processes.

With IoT, companies can access real-time data on energy generation, transport and consumption.

Data processing security

To avoid vulnerabilities, you must have secure loT platforms that guarantee the treatment of confidential data.

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detection

IoT allows the development of predictive maintenance strategies, detecting errors and breakdowns before they occur and applying the necessary measures to avoid them.

Sustainabilit

Access to consumption data allows companies to increase efficiency and waste of resources, promoting sustainable practices.

WHY OUR TECHNOLOGY?

WISeSat is a **picosatellite platform** that provides **dedicated and secure IoT communications** to companies and industries that need to monitor and know **the status of assets in remote locations, where there is no mobile coverage.**

Reduced size and mass: The weight, less than 1kg, of our picosatellites, and the development in-house of our sensors, allow us to reduce development and launch costs.

Standardized platforms. We reduce integration and manufacturing times due to the homogeneous and standardized of our platforms.

COTS Components: COTS (Commercial Off-The-Shelf) components increase performance and allow us to continually innovate.



Connect anywhere and everywhere on Earth.



Cost competitive even compared to traditional ground-based solutions.



FIPS 140-3 CMVP secure elements to secure devices, data & transmission.



Backward compatibility for "brown-field" deployment on existing ecosystems.



Seamless integration into ecosystems already using ground-based connectivity.



Customized and scalable.

HOW OUR TECHNOLOGY WORKS



The sensors, distributed by the study assets, collect, encrypt and extract the most valid information from the parameters analyzed using predictive algorithms.

These sensors act in a **sustainable** and autonomous way: they do not need batteries for their operation, they are charged with solar energy; and they do not require orders to collect and send data, they work in an automated way.

The sensors send this encrypted data to the picosatellite.

Subsequently, these secure and informative data are **sent** by the picosatellite **to a ground station**, where they are collected and sent to our cloud service.

Our cloud service collects and stores all this data and, through an online dashboard or through an API integration, all the information that the farmer needs about the status of his crop is displayed.