

Beyond Connectivity: Our Services

Embark on your IoT journey with our comprehensive suite of services designed to meet your specific necessities.

- **Innovative Solutions tailored to your needs:**
we understand your requirements and provide customized suitable solutions designed to address any aspect of IoT connectivity, starting from frequency to HW setup and beyond.
- **Dedicated Customer Support & Maintenance:**
offering post-implementation support, ensuring smooth functioning and addressing concerns promptly.
- **Data Management & Analytics:**
we have the capability to offer insights that enhance operational efficiency and facilitate data-driven decision-making.

Apogeo Space HW Solutions

Our compact and efficient solutions, compatible with open-source projects, are ideal for professional usage and suitable for companies seeking robust and scalable tools. If you are a large company interested in testing and exploring the possibilities of satellite connectivity, this product enable low-power, wide-area communication for your IoT devices, ensuring seamless data transmission. On the other hand, for makers eager to experiment, our solutions are fully compatible with Arduino® boards, allowing for easy configuration and making them ideal tools for hands-on innovation and creativity.

About us

Apogeo Space is a telecommunication company focused on providing an IoT connectivity service leveraging our proprietary private picosatellites constellation (LEO orbit) and our ground satellite booster infrastructure. We are dedicated to connecting low-power and low-data-rate devices located in remote and poorly connected areas (satellite) as well as specific areas of need (ground satellite booster). In 2022 the company received a 5M€ round of financing from Primo Space, the first Italian Venture Capital on the space economy business.

Active since 2015, Apogeo Space has contributed to the development of major projects by ESA (European Space Agency), ASI (Italian Space Agency), and NASA, often in collaboration with major research institutions including INAF (National Institute of Astrophysics), INFN (National Institute of Nuclear Physics), Brera Astronomical Observatory, Bologna Astronomical Observatory and Milan Polytechnic University.

As a result, we are a leading innovator in the nanosatellite industry. We leverage our extensive space heritage, with a proven track record of launching various satellites over the past years, to provide comprehensive, turnkey solutions for your nanosatellite needs. We offer a complete development cycle, encompassing all aspects of your nanosatellite project.

At Apogeo Space, our success is deeply intertwined with the success of our partners and clients. We collaborate with IoT solution providers and system integrators, offering tailored solutions to meet their unique needs and challenges. Experience uninterrupted connectivity with our innovative hybrid service.

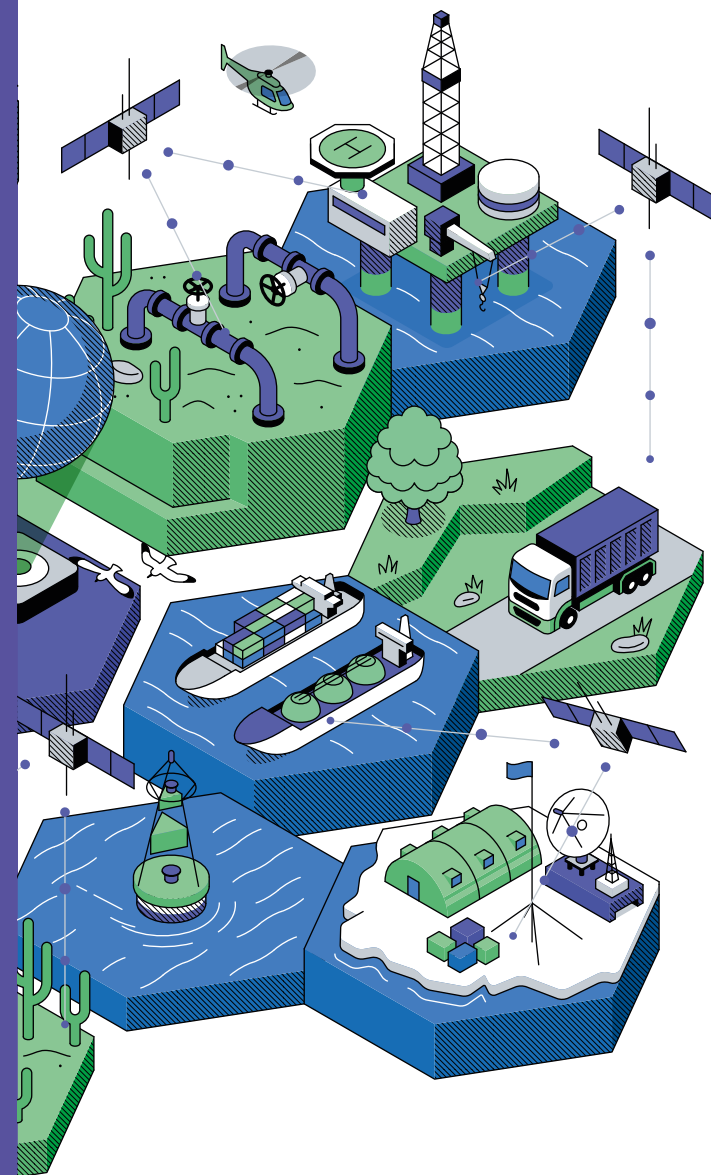
Contact us to learn more.

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APOGEO SPACE

IoT everywhere for everyone.

www.apogeo.space

IoT Satellite Connectivity

Apogeo Space offers an IoT satellite connectivity service aimed at addressing the challenge of internet inaccessibility in remote or poorly connected areas. This is made possible by our constellation of picosatellites, ensuring comprehensive and reliable coverage. Each Apogeo Space's picosatellite is based on a proprietary platform with a form-factor of 10x10x3cm. Once in space the picosatellites deploy solar panels and antennas, beginning the provision of the IoT telecommunication service.

World First Freemium Pricing Plan

Launch Offering (first 4 months)
Unlimited devices & 1000 messages/day

FLAT FEE of
€100/month

Standard Offering (from the 5th month onwards)

Up to 2 messages a day per device **FREE**
Then **0,01€/message**

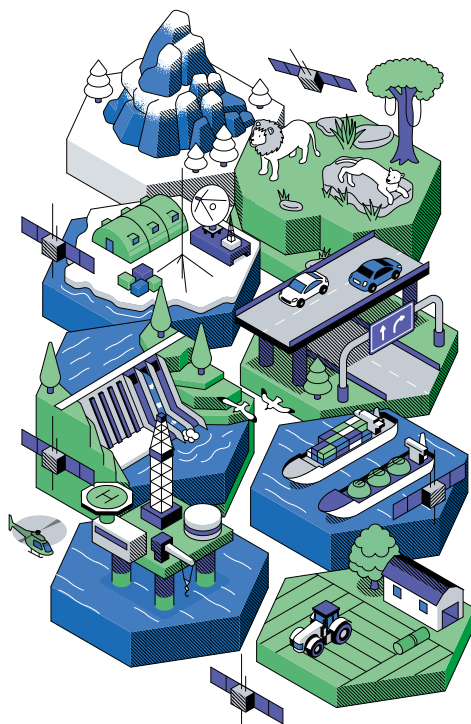
Up to 5 devices **FREE**
Then **0,99€/month/device**

All prices with VAT not included — Learn more at info@apogeo.space

Technical Informations

Packet Size	10 bytes [in addition to the NodeID and timestamp, which are natively included in the packet structure]
Encryption	AES 256
Transmission Frequency	VHF
Transmission Direction	Bi-directional by 2025
Constellation	96 picosatellites by 2027 (LEO)

Applications



- Environment
- Wildlife
- Oil & Gas
- Renewables
- Logistics
- Agriculture & Farming
- Smart Cities

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What you can do with a 10 bytes message:

1 byte	Temperature (eg 0-25.4°C w/ accuracy 0.1°C)
1 byte	Humidity (eg 0-100% w/ accuracy 0.5%)
6 bytes	GPS coordinates
1 byte	Pressure (eg 990mbar-1244mbar w/ accuracy 1mbar, or 0-100bar w/ accuracy 0.5bar)
1 bit	Alarm (0 or 1)

Use Case	Parameter
Wildfire Detection	Alarm, Temperature
Container Tracking	GPS, Temperature, Light sensor
Soil Monitoring	Temperature, Pressure, Moisture
Environment Monitoring	Water level, Chemical sensor, Alarm
Gas Pipe Monitoring	Gas sensor, Pressure, Temperature
Livestock Tracking	GPS, Temperature

IoT Hybrid Connectivity

We understand that certain scenarios can be challenging. That's why Apogeo Space offers a hybrid solution, where satellites seamlessly integrate with ground boosters, positioned at high altitudes to provide coverage over vast areas. This synergy makes the infrastructure even more resilient, enhancing connectivity, mitigating potential disruptions, optimizing data transmission capacity and ensuring swift data delivery. By combining the strengths of both systems, the result is a robust, high-performance network that guarantees maximum efficiency and operational success for our clients

Unmatched Flexibility:

Everyone's needs are different. That's why we offer rental ground satellite booster solutions, allowing you to customize your network based on specific project requirements and geolocalization.

How It Works

