

Satellites
Orbital systems
Transversal competencies



ThrustMe is the first mover for iodine-based space propulsion technologies. The company offers advanced motion control solutions for the growing space industry which is facing new challenges due to the rise of satellite constellations. With experts in in-space propulsion and satellite orbital maneuvering strategies, ThrustMe enables a future where space is used sustainably to create value both on Earth, and beyond.

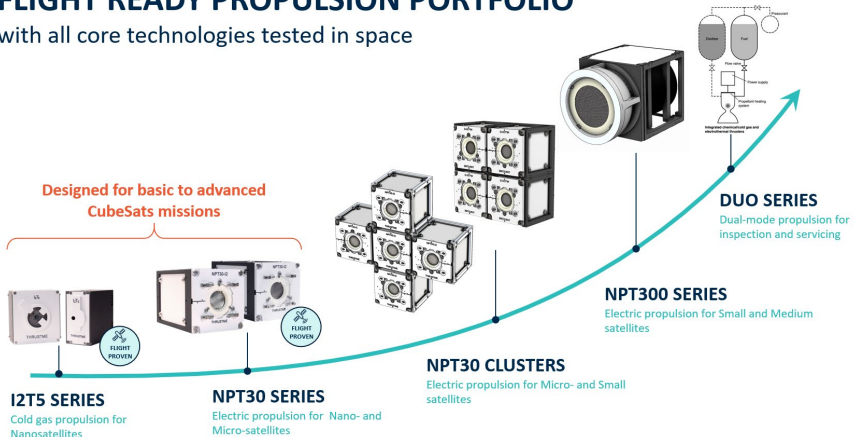
ThrustMe has a complete portfolio of game-changing turnkey propulsion products successfully tested in space and delivered to clients worldwide.

COMPETENCIES & CAPABILITIES

The company benefits from more than 10 years of research experience in the field of plasma physics and space propulsion. Before its creation in 2017, the founders published a total of 75 peer reviewed scientific papers, filed several patents, and gained a solid international reputation as researchers and out-of-the-box innovators with an impressive 20 H-index. At present, the company has a core team of approximately 20 engineers, physicists, and Ph.Ds with demonstrated competence in heterogeneous scientific fields. The team has provided space qualification and verification of several systems in the product line, it has successfully delivered several products to clients, and it has demonstrated the ability to perform batch production and develop market fit products.

FLIGHT READY PROPULSION PORTFOLIO

with all core technologies tested in space



ThrustMe's propulsion products portfolio

THRUSTME

PRODUCTS & SERVICES

ThrustMe develops a complete portfolio of **groundbreaking, turnkey, in-orbit propulsion technologies** for a wide range of platforms and applications. Intelligent operations are combined with safe iodine-based thruster technologies to provide affordable, zero-risks, self-pressurized, and high-performant systems for space mobility. The portfolio includes:

- Cold gas propulsion
- Gridded ion thruster propulsion
- Dual mode propulsion

ThrustMe's products are currently designed to adapt to the stringent requirements of:

- NanoSats
- SmallSats
- MicroSats
- Medium platforms soon

The company also offers **orbital dynamics support** and **scientific instruments** for testing of space hardware.

MAJOR SPACE PROJECTS & REFERENCES

In 2019 and 2020, ThrustMe **made history** with the **first in-orbit demonstrations** of iodine-based cold gas and electric propulsion systems, thus showing the critical role that these technologies have in the era of satellite mega constellations. The company provides robust technology for challenging mission:

- XiaoXiang 1-08: the first iodine-propelled satellite in orbit (I2T5).
- BeiHangKongshi-1: orbit control maneuvering with the first iodine gridded ion thruster ever tested in space (NPT30-I2-1U).
- Hisea-1: SAR platform carrying the NPT30-I2-1U for orbit maintenance, collision avoidance, and end-of-life disposal.
- Napa-2: The I2T5 was selected for orbit maintenance purposes.

... and many more to come!

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WORK FORCE Approximately 20 employees

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