



## Working With Morpheus Space

Morpheus Space is a team of innovators, engineers, and entrepreneurs with a shared dream: to accelerate the growth of the space industry by lowering its barriers to entry. Through our unique, patented modular propulsion solution, we offer a scalable way for the satellite industry to help keep up with the increasingly high demands placed on it. If you share our dream, get in touch today to learn more about Morpheus Space.

**Reach Out:**

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DREAMS IN MOTION



“Morpheus’ proven technology is the propulsion system that will enable missions to explore new horizons.”

Morpheus Space is redefining satellite propulsion, serving as the support for those innovators chasing the exciting dream of space exploration.

With modular systems that leverage a next-generation, low-melting, proprietary metallic propellant, all of the systems’ components are optimized to deliver the best propulsion performance for the least amount of space, mass and necessary electrical power.

Customizable by design, engineered for peak performance; Morpheus’ proven technology is the propulsion system that will enable missions to explore new horizons.



## Introducing the Sphere Ecosystem

*Scalable, powerful, autonomous satellite propulsion.*

The Sphere Ecosystem represents a revolutionary approach to satellite mobility that combines the most scalable and efficient electric propulsion with AI-driven maneuver planning to enable autonomous constellation operations.



## MultiFEEP

*The propulsion system that lies at the heart of Morpheus Space.*

### Precise Thrust Vectors

Can generate the most complex 3D thrust profiles on the market independent of the magnitude.

### Highest Efficiency

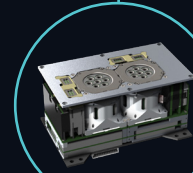
Deliver the highest specific impulse on the market of up to 11000s with a power consumption as low as 1W.

### Highest Delta V

Increased flexibility means we can tailor the total impulse of the system to our customer while allowing for a never-before-seen total delta-V on board a nanosatellite.

### Most Scalable

The same modular components are used to build up propulsion systems for satellites below 1kg to over 1,000kg.



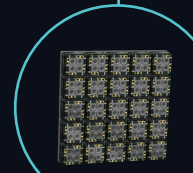
## 3U - Low T

- Dynamic Thrust Range: 1 - 252 $\mu$ N
- Specific Impulse: Over 7,000s
- Total Impulse Range: 0.9 - 11.5 kNs
- Total System Power: 0.4 - 22W
- Total System Mass (wet): 0.3 - 0.5kg
- Total System Size (LxWxH): 100 x 50 x 50-100mm



## 6U

- Dynamic Thrust Range: 1  $\mu$ N to 1 mN
- Specific Impulse: Over 7,000s
- Total Impulse Range: 3.6 - 46 kNs
- Total System Power: 0.4 to 87W
- Total System Mass (wet): 1.4 - 2.2 kg
- Total System Size (LxWxH): 200 x 100 x 50-100mm



## ESPA

- Dynamic Thrust Range: 1  $\mu$ N - 12.5 mN
- Specific Impulse: Over 7000s
- Total Impulse Range: 45 - 575 kNs
- Total System Power: 0.4W - 1,090W
- Total System Mass (wet): 17.8kg - 27.6kg
- Total System Size (LxWxH): 500 x 500 x 50 - 100mm



## Direct

A platform-agnostic, on-board autopilot that provides the capability to perform a wide range of orbital maneuvers autonomously. Direct is integrated into the propulsion system and can be used on-demand.



## Flow

Flow fuses networked satellites into a single, easy-to-manage entity and provides constellation-wide dynamic reconfigurations to fulfill changing mission objectives.



## Gateway

Gateway is a mission planning and operations tool that drastically shortens the preliminary design phase, concurrent engineering efforts and the sales cycle, while also serving as a marketplace for authorized subsystem manufacturers.



## Safe

Safe is a new pricing model that radically lowers the financial barriers to entry into the satellite industry and incentivizes the rapid adaptation of innovation. Available to third-party manufacturers, Safe works to streamline hardware subsystem providers onto one convenient platform to enable hardware-on-demand and hardware-as-a-service business models for everyone.