

ORBION
SPACETECHNOLOGY

PROPULSION.
PERFECTED.



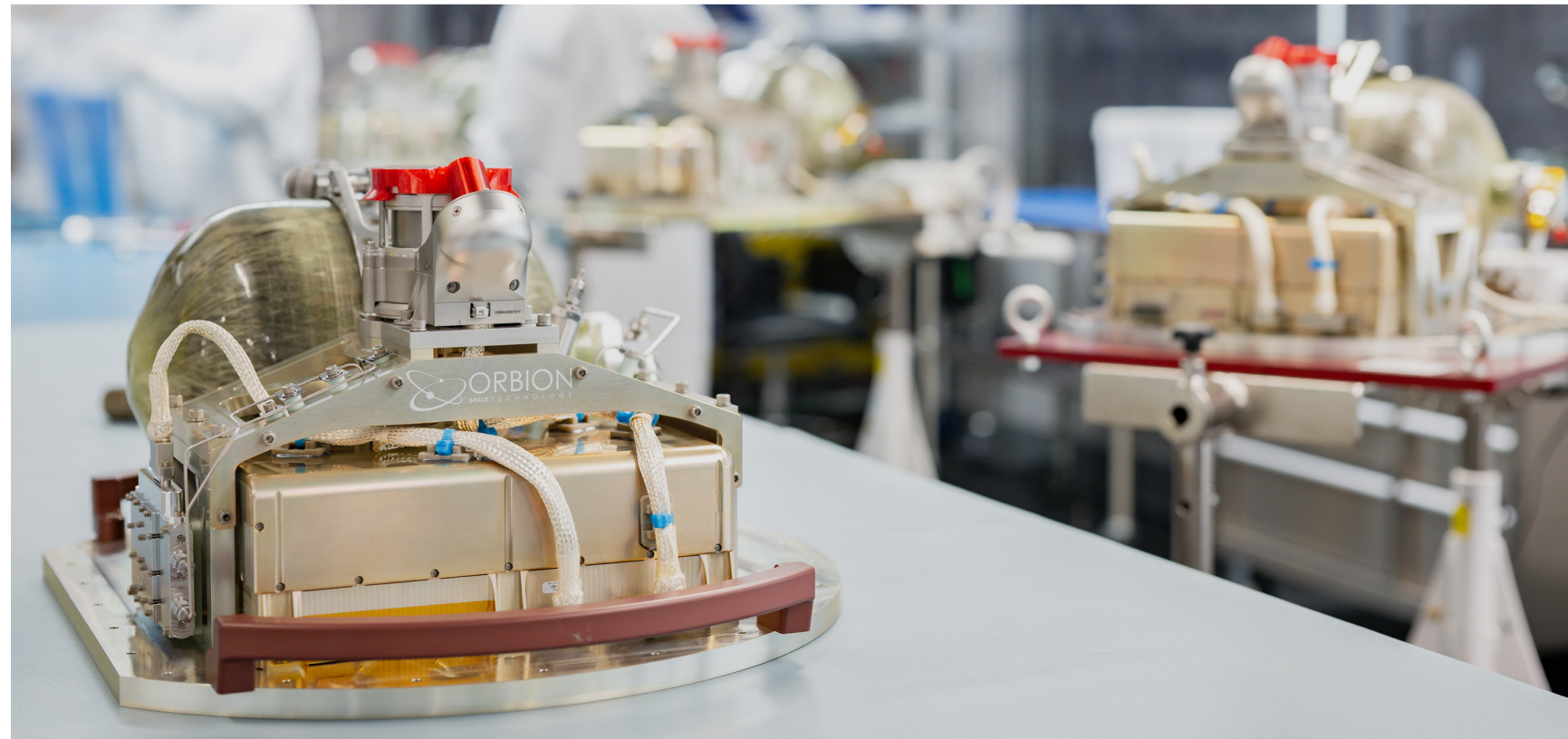
You don't need to be a propulsion expert. You're in good hands. We've got you.

We do all the hard work for you.

You should focus on your mission – leave the propulsion to us.

Our commitment to excellence has set a new standard for electric propulsion, driving a new era of space exploration. The highest quality. The highest level of reliability. The commitment to innovation.

Orbion is the trusted partner for organizations seeking to push the boundaries of what's possible in space.



Let's redefine what's possible, together.
Contact us today to learn more.

Rob Washeleski,
Chief Delivery Officer

906-281-7755

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Introducing Aurora — the affordable, reliable system-level solution for small satellite missions

The Hall-effect propulsion system for your mission

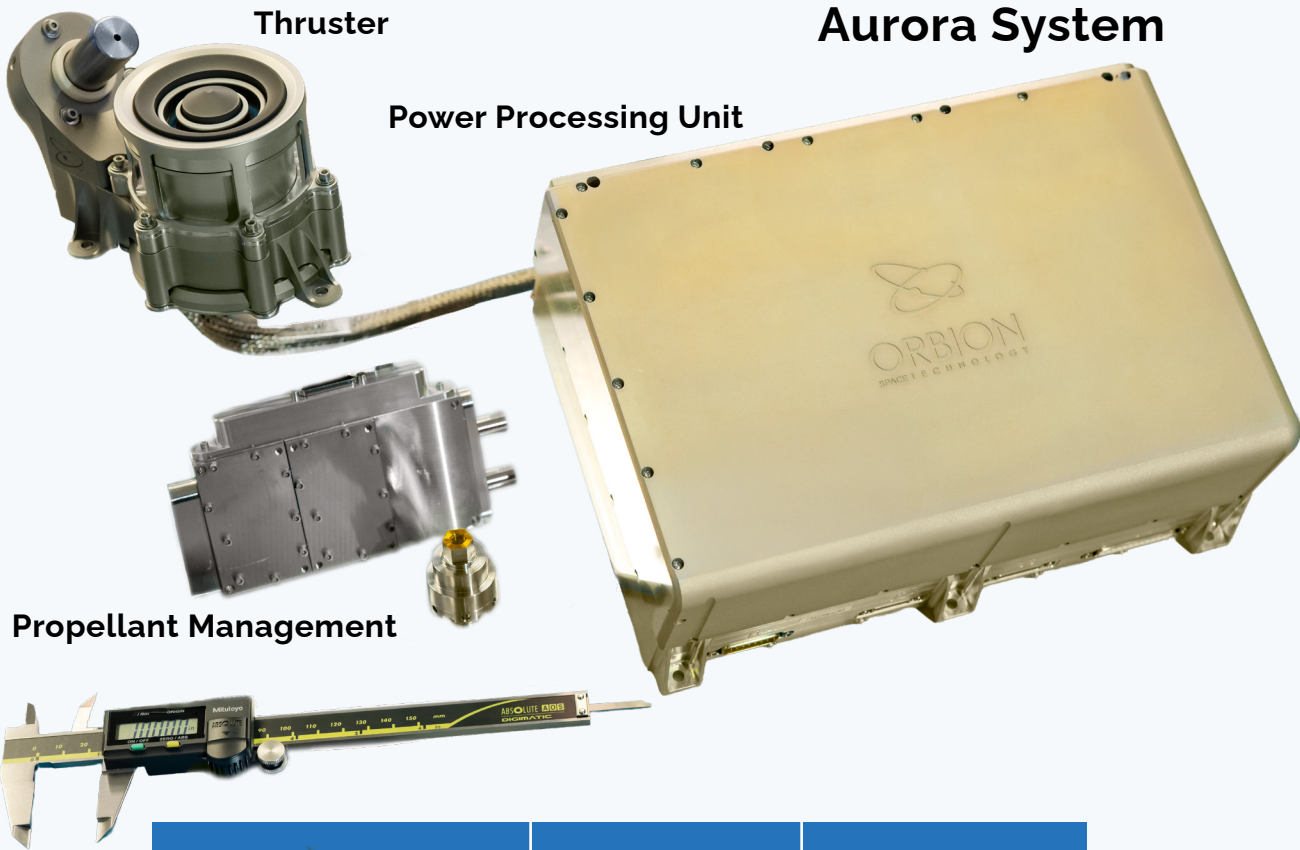
Aurora is integrated from standard components designed to work together in a custom module.

- Magnetically shielded Hall-effect thruster
- Power processing unit with command and data handling interface
- Propellant management assembly
- Electrical harnessing
- Propellant flexible (xenon, krypton)

Orbion conforms to a rigorous ground qualification program - including a 6,800h life test. Our “Test Like You Fly” manufacturing process includes full acceptance testing – from each component to every full system module.

Aurora is more than a small satellite thruster — it’s a workhorse. A turnkey, end-to-end product that you can trust for your in-space maneuvers.

CLICK OR SCAN FOR OUR QUALIFICATION PAPERS

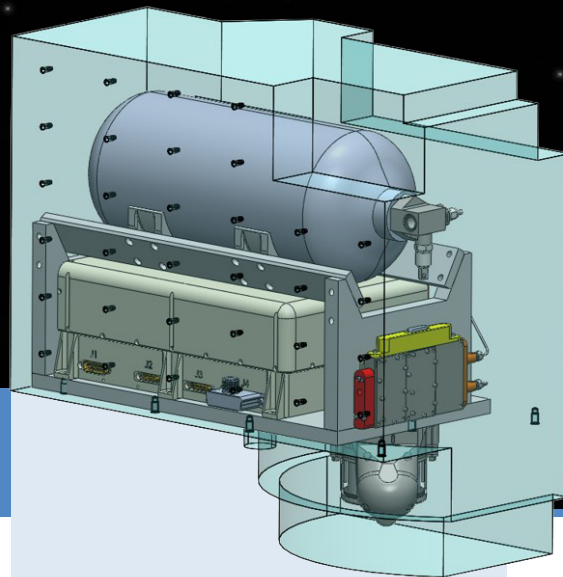


Category	Trait/Units	Description
Aurora Power Input	W	115-350
Propellant	-	Xe & Kr
Thrust	mN	5.3 - 15.6 (Xe)
Specific Impulse	s	940-1280 (Xe)
Total Impulse	N-s	≥ 500,000
Cycle	cycle	≥ 5500
Environments	-	GEVS

You Tell Us What You Need. **We Build It For You.**

Standard components in a custom module – creating an industry-first modular design giving you unparalleled mission flexibility and reliability

1

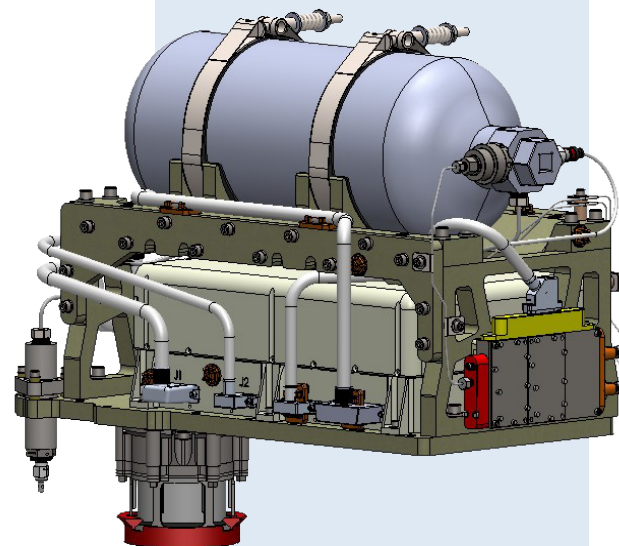


Technical Exchange:

During the proposal phase, we'll learn everything we need to know about your spacecraft to prepare a custom modular design.

2

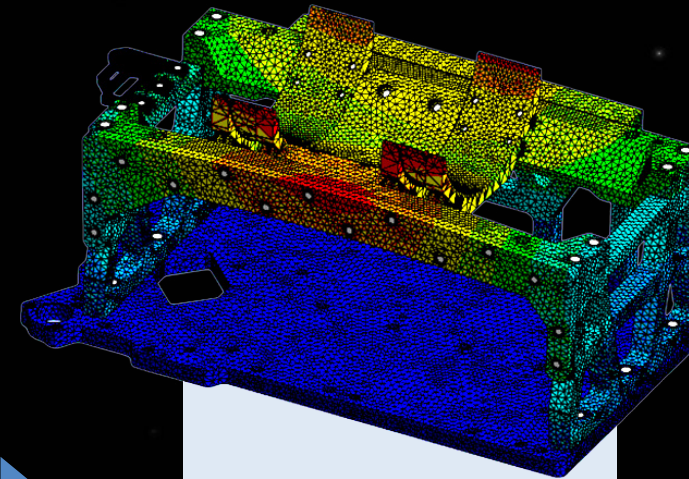
Detailed Design: Our team will design a module that meets the unique performance requirements and geometric constraints of your spacecraft



3

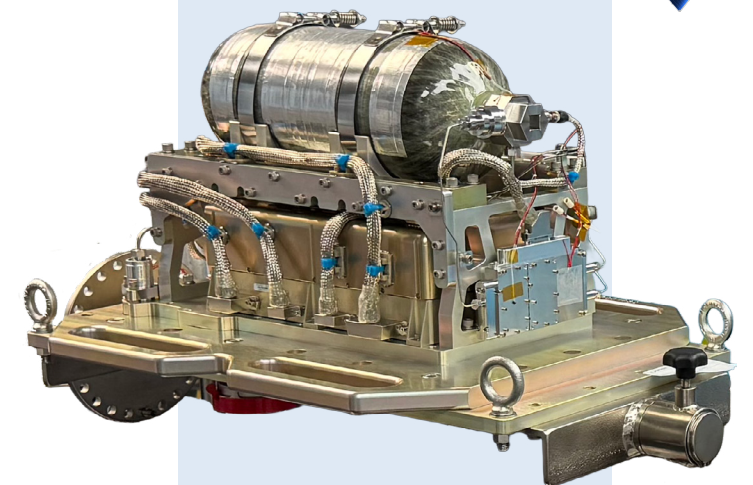
Module Engineering:

We'll perform all necessary structural and mechanical analysis to ensure compliance with your mission.



4

Build & Ship: The fun part – you receive delivery of your fully-fueled system, plug it into your spacecraft, and send it on its mission

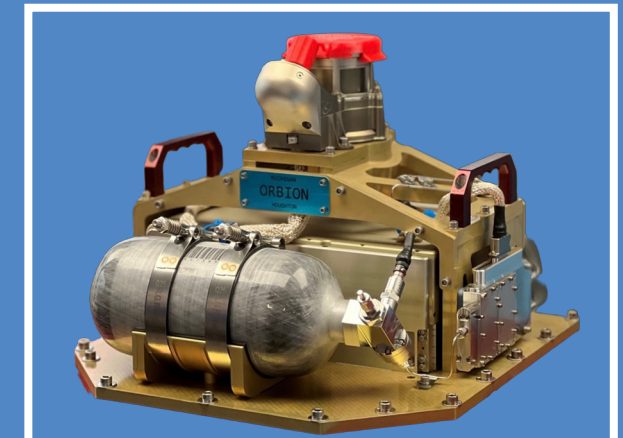
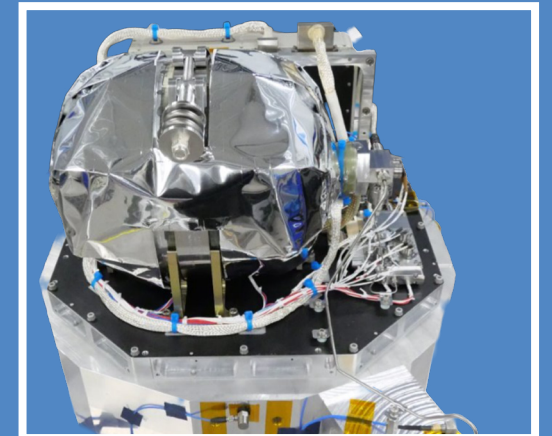
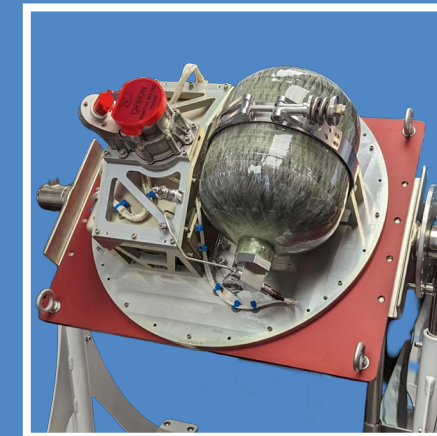
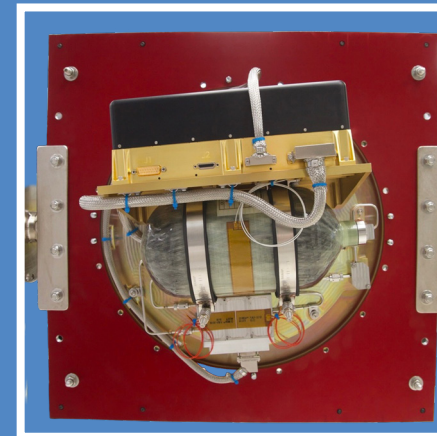
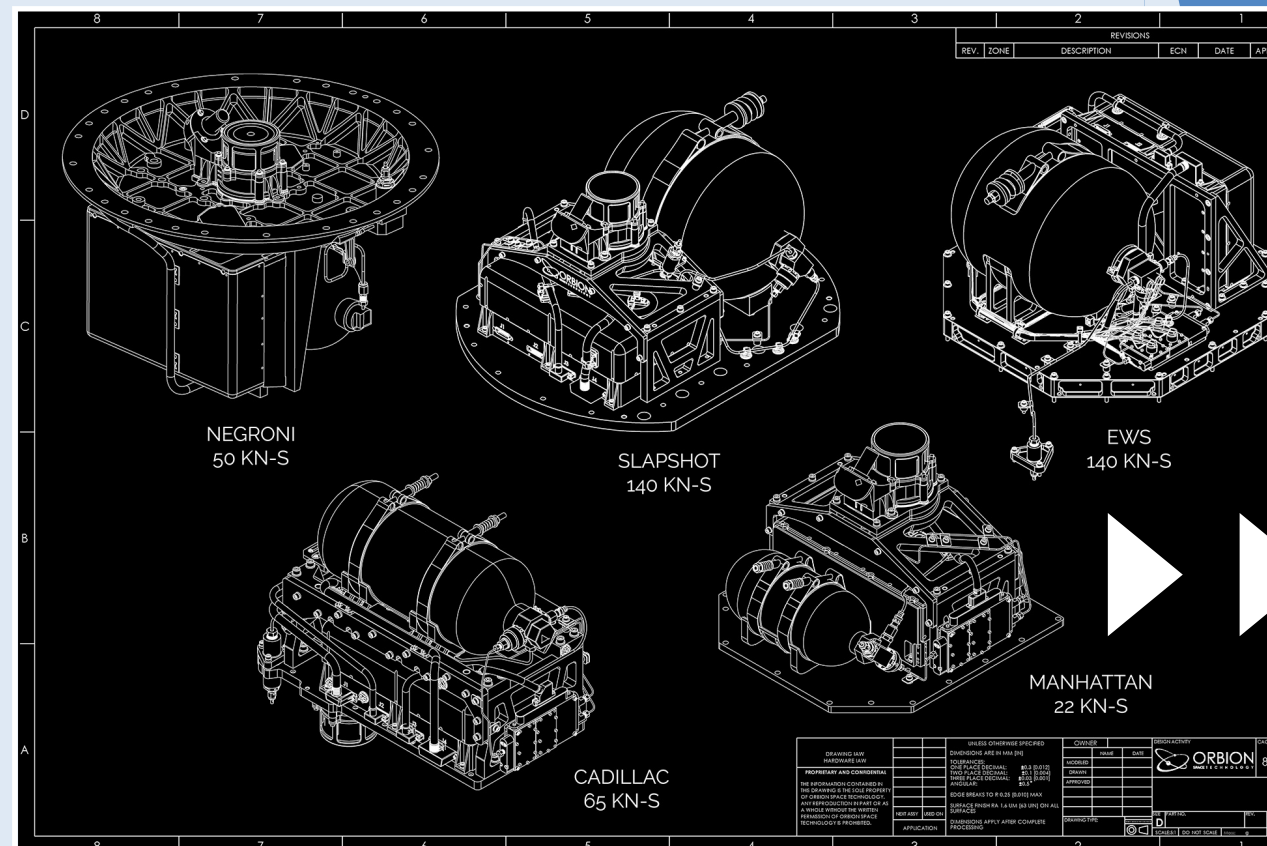


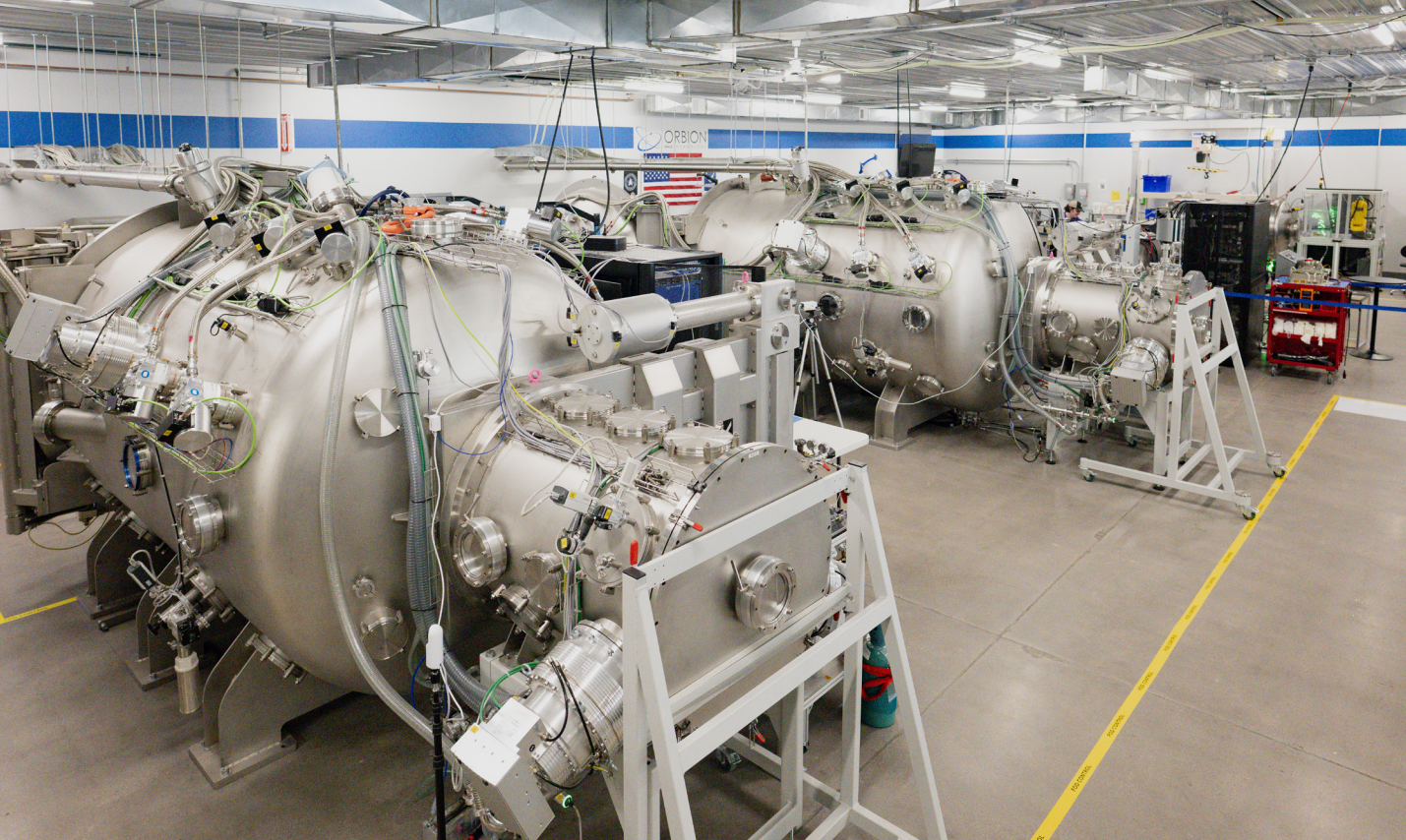
We've done it before – and we will do it for you

Orbion's deep expertise and extensive testing protocol create a reliable, modular, turnkey system

Our custom design becomes your custom hardware

Some examples of past work





A World-Class Rocket Factory. Out of this World Propulsion Systems.

We've developed a custom manufacturing operation that delivers the reliability you need in space with the speed and economy that you need in business.

- Paperless Manufacturing Execution System tracks every aspect of build and delivers comprehensive digital EIDP
- MRP monitors full factory operations ensuring predictable on-time delivery of your units
- AS9100-certified EQMS ensures the highest level of quality and traceability
- Full acceptance testing of every component and every serial number
- High-capacity production enabled by automation, proprietary processes, and special test equipment



Because Sometimes You Do Need a **Rocket Scientist**

Our team is your team – when you partner with Orbion you get more than a great propulsion system, you also get 50 engineers ready to support your mission.

Our Co-Engineering team is ready to:

- Help you size your propellant tank and plan your maneuvers
- Analyze coupled structural and thermal loads at the spacecraft/propulsion interface
- Advise your team on range safety requirements and industry standards
- Plan your acceptance testing strategy to meet payload users' guide requirements
- Support integrated customer/Orbion hardware testing at our facility
- Assist with integration of the propulsion system with your spacecraft at your factory
- Work with your mission control team to commission your propulsion system on orbit
- Stand by your team to support long-term operations over the life of your mission



From our factory to yours

A turnkey module, delivered directly to your door — fully fueled and ready to bolt in. And yes, we ship internationally.

As an aerospace company with a strong track record of serving international customers, we ensure all our exports comply with 15 CFR Part 738 of the Export Administration Regulations (EAR) Orbion's Aurora EP system is classified under ECCN 9A515.x and is not subject to ITAR.

We're cleared to ship to most global destinations—compliance handled, no surprises.

