Aerospace



HEXAGON PURUS

Sixty years of aerospace excellence

Hexagon Purus is a leader in zero-emission mobility solutions and hydrogen infrastructure. For the last sixty years we have been at the forefront of high-pressure storage for propulsion systems for the aerospace sector, delivering on our purpose to be a driving force for a sustainable planet. Our composite tanks are the preferred choice of industry leaders for their unmatched safety, lightweight design and exceptional quality.

Performance under pressure



Navigating towards a better future

Typical uses

- Spacecraft liquid propulsion systems
- Satellite electric ion propulsion systems
- Launch vehicle, satellite, and spacecraft pressurant tanks
- High-pressure storage for space stations, in-space vehicles / transporters, lunar landers, rovers and more

Key features

- Operating pressures up to 10,000 psi
- Water volumes up to 1000L
- Type 3 and Type 4 COPV's
- Boss, strap or skirt mounted designs
- Certifications to AIAA S-081, G-082, or customer-specific requirements are possible

Heritage

- 10+ different cylinder designs qualified or in the qualification process
- Several hundred vessels delivered to date
- Top-rated supplier to several leading aerospace companies



Why Hexagon Purus

We have decades of experience delivering high-performance composite overwrapped pressure vessels (COPVs) which have been utilized in a variety of spaceflight applications.

As a customer-focused organization, we prioritize safety and are committed to the highest quality standards to ensure our products consistently meet the demands of critical missions, including man-rated spaceflight.

Key differentiators

- State-of-the-art facilities
- Type 3 liner experience with aluminum, titanium, Inconel, and others
- Vertically integrated Type 4 liner and cylinder manufacturing
- Innovative design capabilities
- ISO 9001 certified
- AS9100 certification (expected in 2025)

