

CHEMICAL ORBITAL PROPULSION MODULE

UNIFIED PROPULSION SYSTEM

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CHEMICAL ORBITAL PROPULSION MODULE FOR TRANSFER ORBIT, ATTITUDE MANEUVER DURING TRANSFER ORBIT, STATION KEEPING AND DEORBITING.

Main Subsystems and Components:

Propulsion System

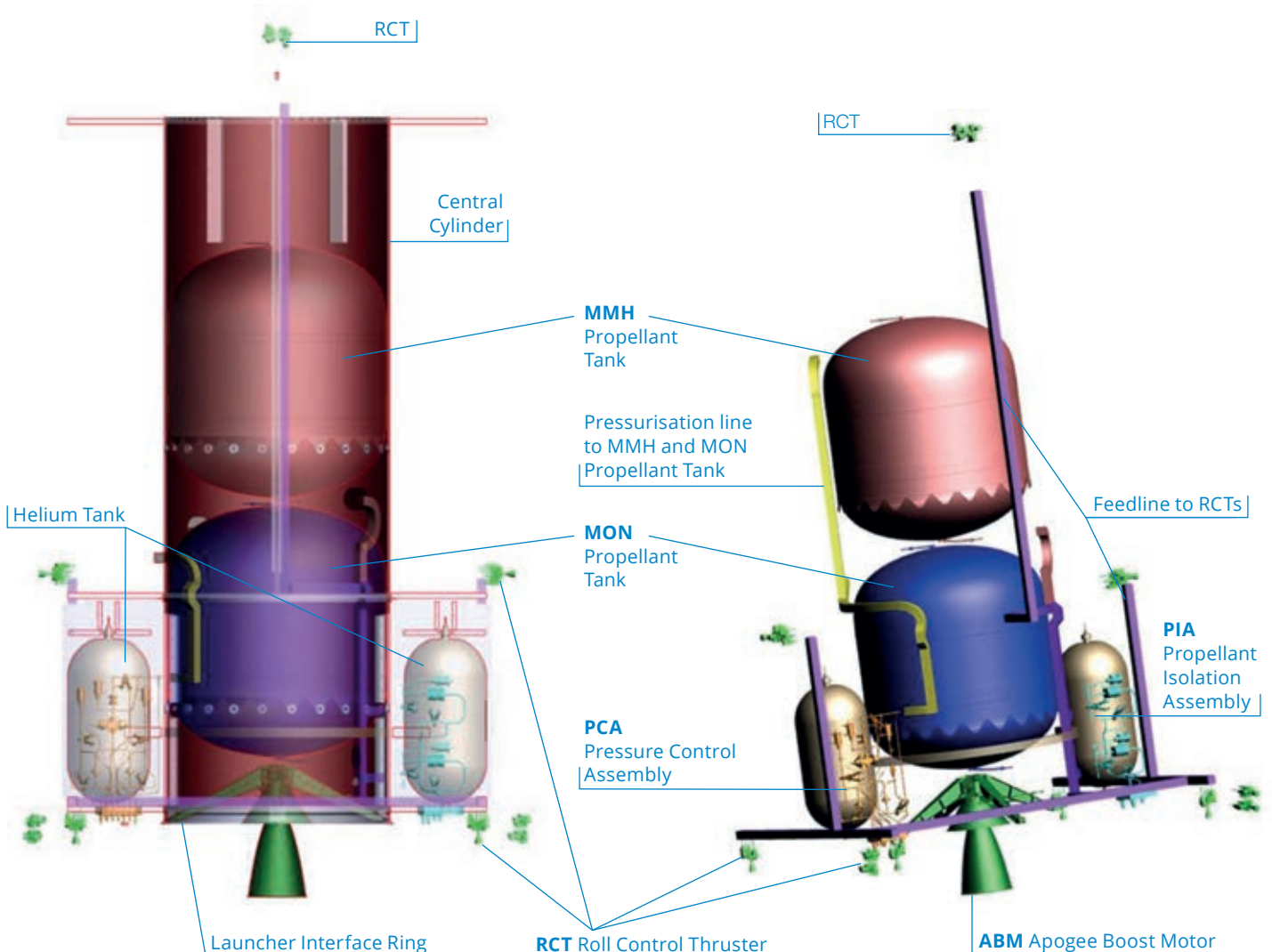
- › Fuel Tank (700L – 1450L)
- › Oxidizer Tank (700L – 1450L)
- › 10N Thrusters – RCT
- › Advanced Apogee Boost Motor
- › Pressure Control Assembly – PCA
- › Propellant Isolation Assembly – PIA
- › Helium Tank (51L – 90L)
- › Pyrovalves
- › Fill and Drain Valves
- › Pressure Regulator
- › Pressure Transducer

Central Cylinder with Launcher Interface Ring

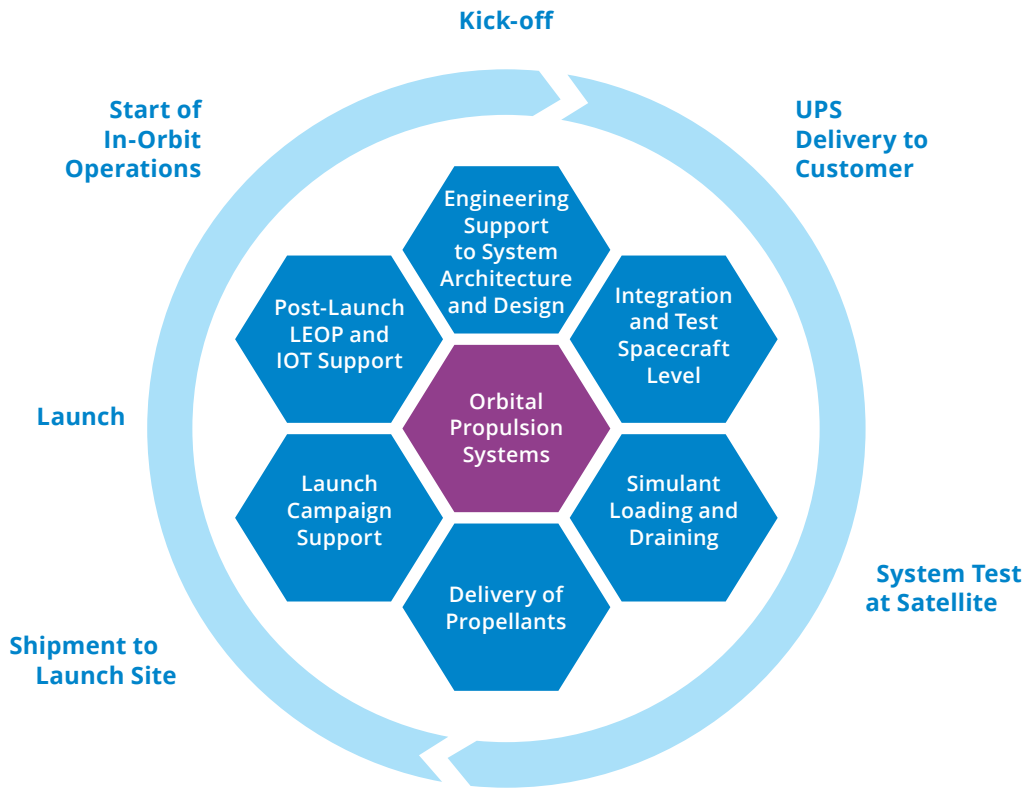
Propulsion Thermal Control

Key Features

- › Reduced interface management
- › Modular design
- › Advantageous symmetry
- › Fully integrated subassembly
- › Multiple space proven equipment
- › Provision of complete services around propulsion
- › 15-year lifetime nominal

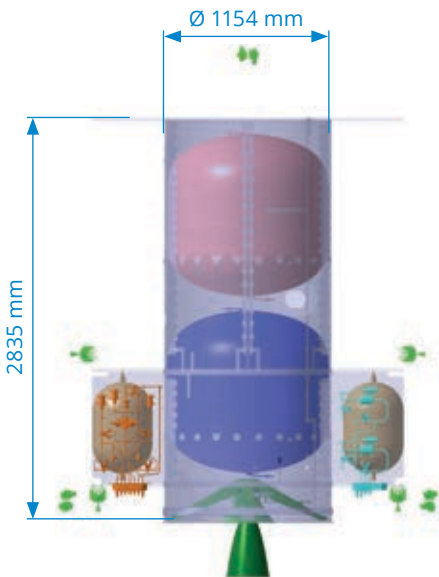


ArianeGroup provides the complete range of services around the Unified Propulsion System (UPS), from engineering support for system architecture, design and verification up to propellant loading and Launch Early Operations Phase (LEOP).



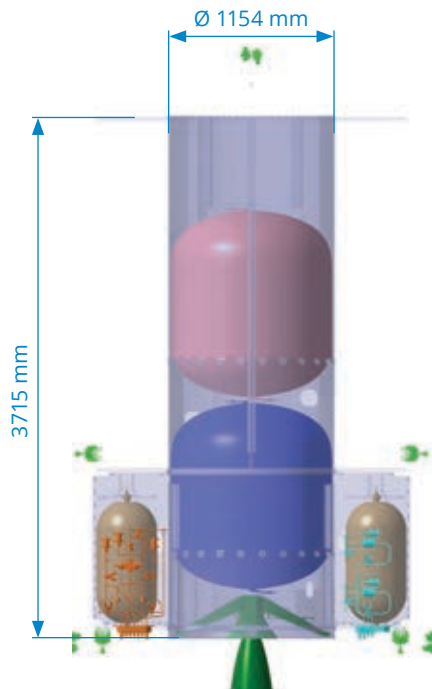
Bi-propellant UPS B2

Propellant Loading Mass up to 1895 kg



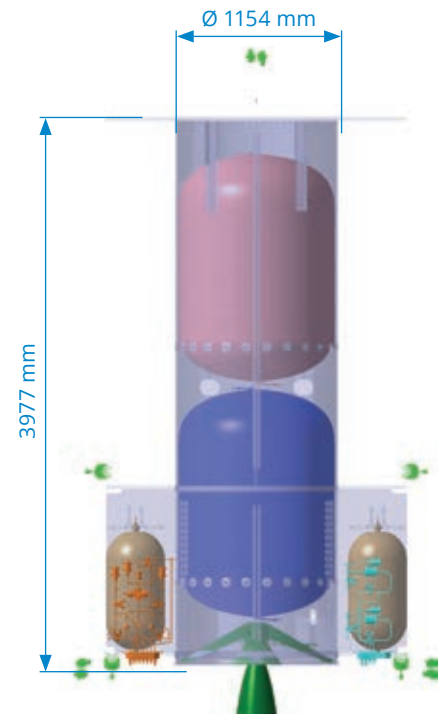
Bi-propellant UPS B3

Propellant Loading Mass up to 2441 kg



Bi-propellant UPS C3

Propellant Loading Mass up to 3194 kg



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