

#spaceenablers

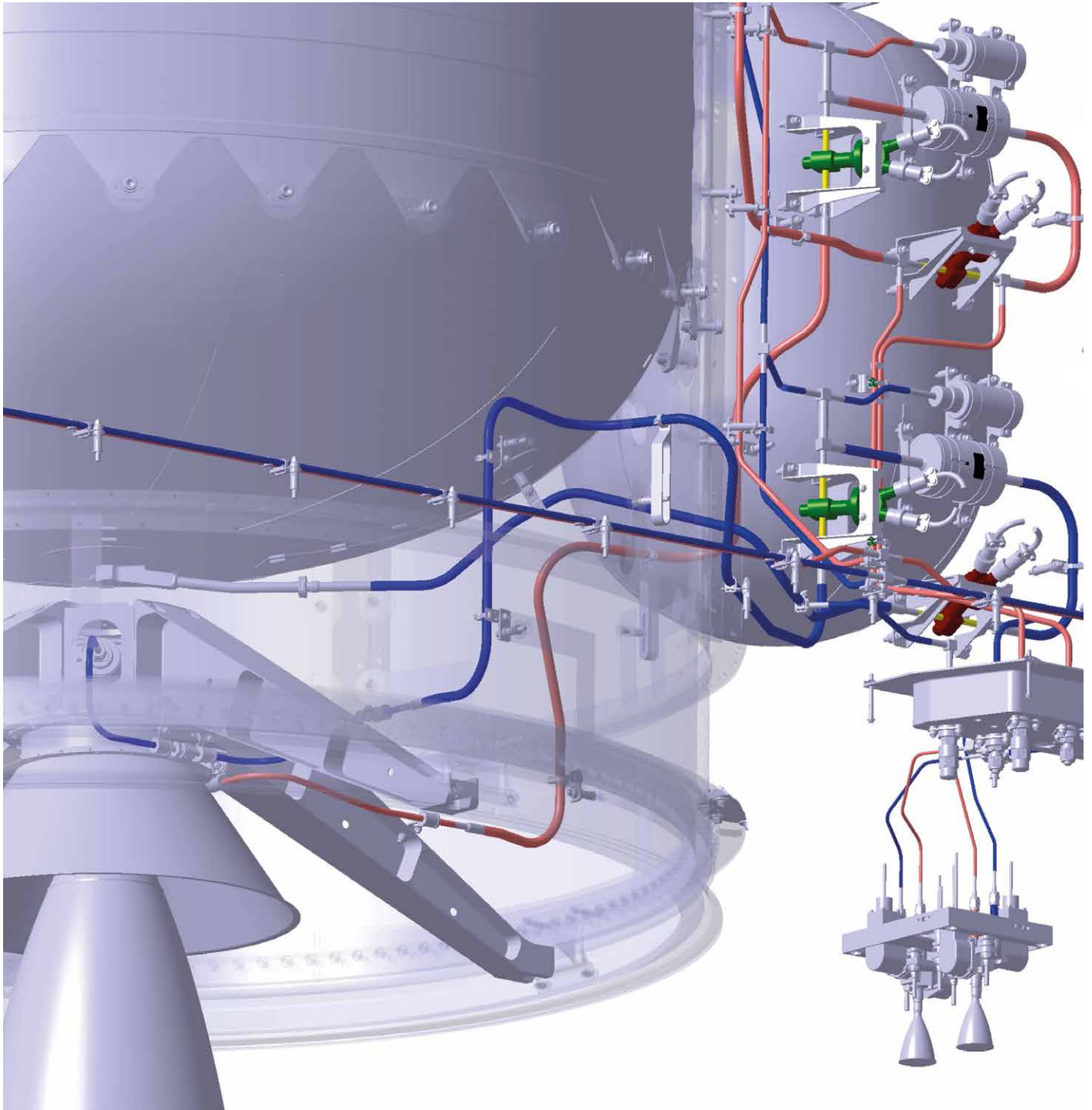
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**ARIANEGROUP**

ORBITAL PROPULSION  
ROBERT-KOCH-STRASSE 1  
82024 TAUFKIRCHEN  
GERMANY

SUSANA CORTÉS BORGMEYER  
SUSANA.CORTES-BORGMEYER@ARIANE.GROUP  
PHONE: +49 (0)89 6000 29244  
WWW.SPACE-PROPULSION.COM



## CHEMICAL ORBITAL PROPULSION MODULE

**UNIFIED PROPULSION SYSTEM**

# CHEMICAL ORBITAL PROPULSION MODULE

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

## Main Subsystems and Components:

### Propulsion System

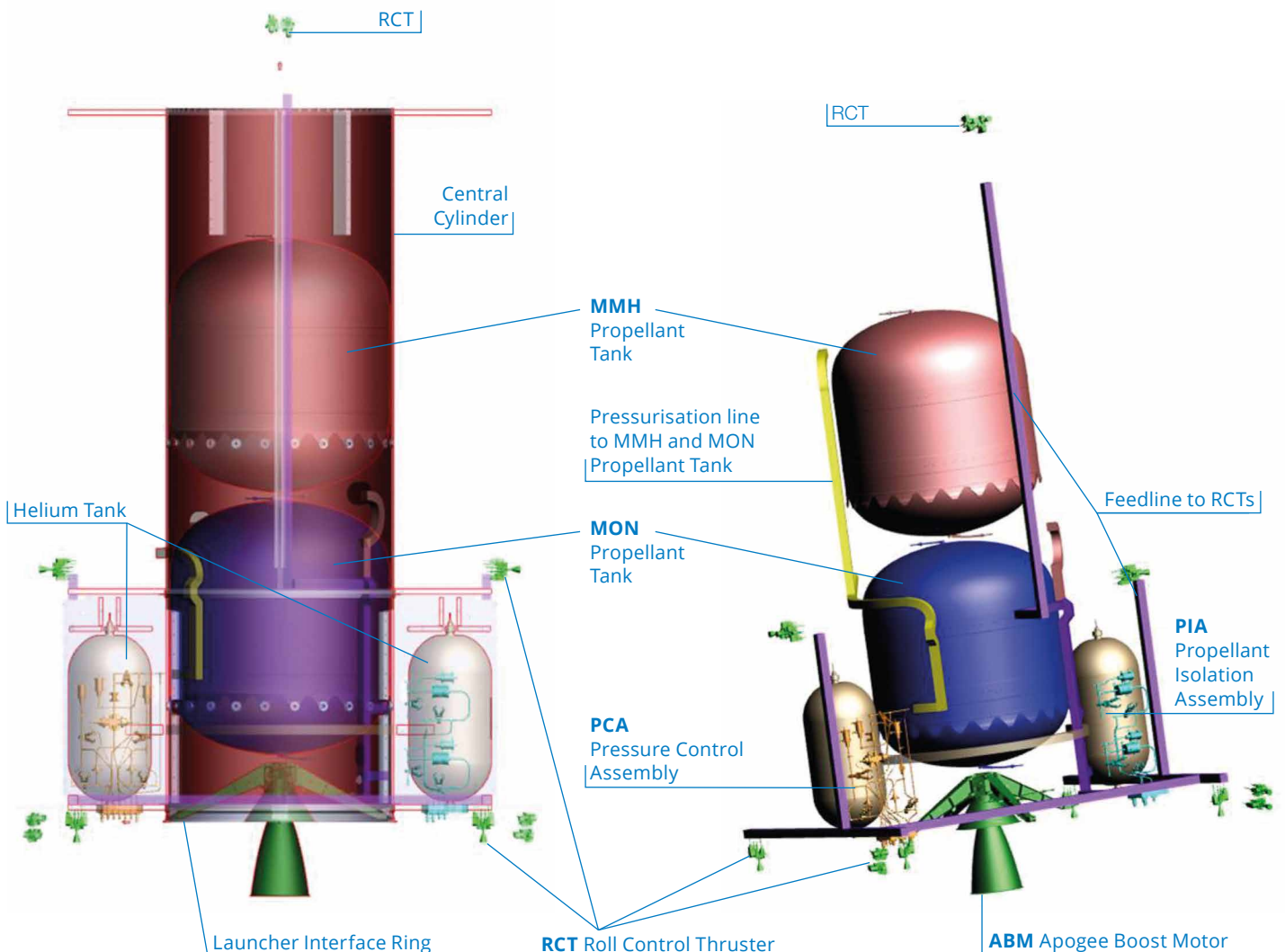
- › Fuel Tank (700L – 1450L)
- › Oxidizer Tank (700L – 1450L)
- › 10N Thrusters – RCT
- › Advanced Apogee Boost Motor
- › Pressure Control Assembly – PCA
- › Propellant Isolation Assembly – PIA
- › Helium Tank (51L – 90L)
- › Pyrovalves
- › Fill and Drain Valves
- › Pressure Regulator
- › Pressure Transducer

### Central Cylinder with Launcher Interface Ring

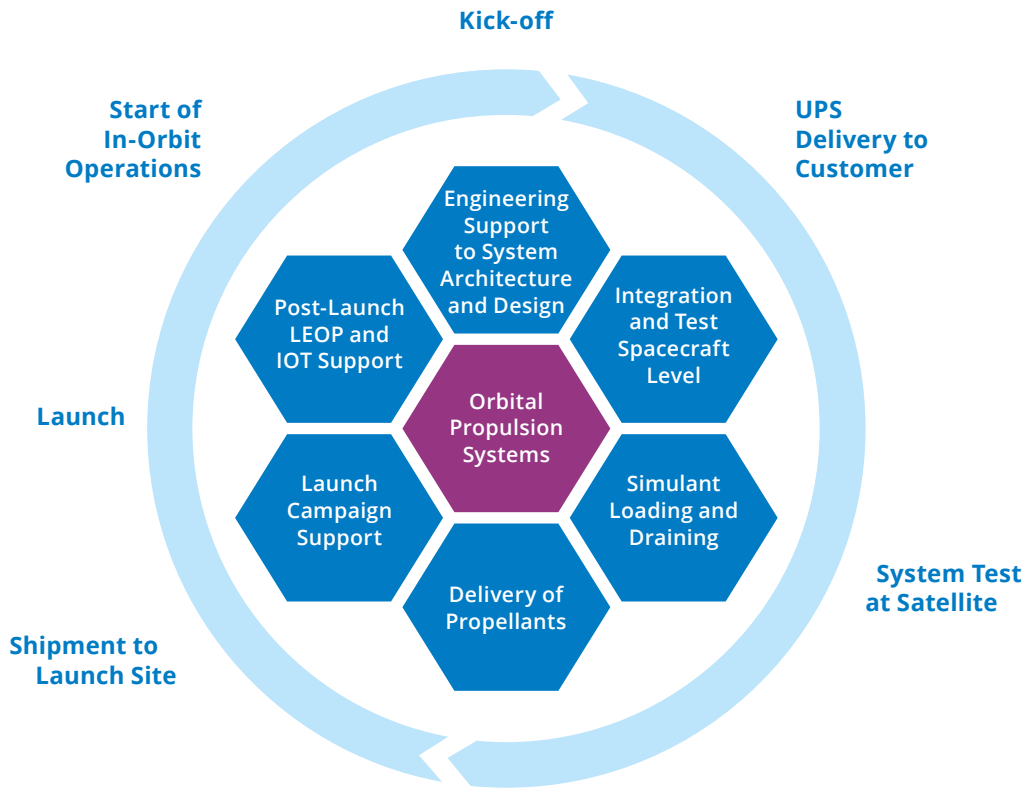
### Propulsion Thermal Control

## 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

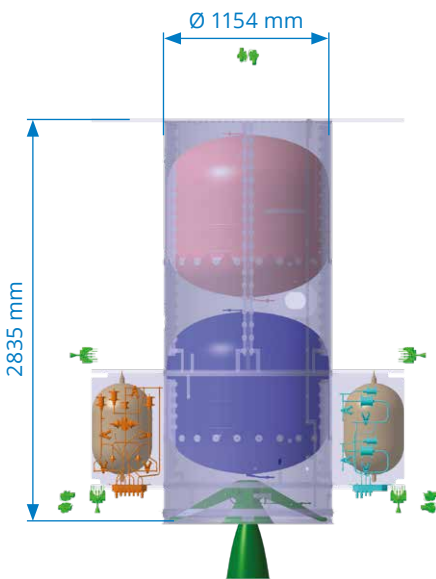


ArianeGroup provides the complete range of services around the Unified Propulsion System (UPS), from engineering support for system architecture, design and verification up to propellant loading and Launch Early Operations Phase (LEOP).



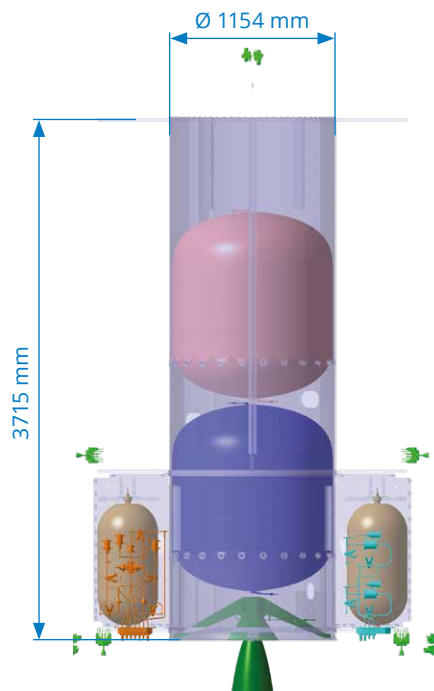
### Bi-propellant UPS B2

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

