

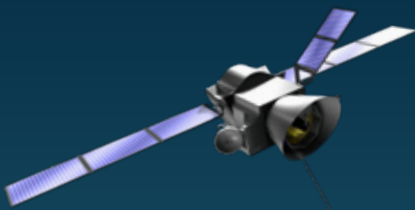
DEEP SPACE COMMUNICATIONS

Supporting the Lunar Gateway with cutting edge docking mechanism technology and deep space communications to Mars



ION THRUSTERS

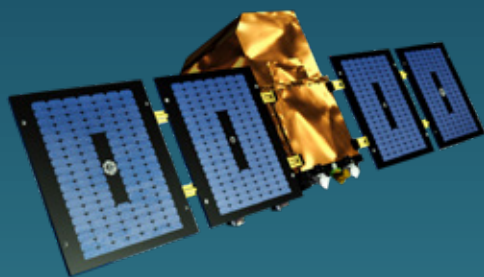
Super-efficient, high-powered ion thrusters designed for commercial or scientific missions



DEEP SPACE EXPLORATION

TRUSTED TO DESIGN AND DELIVER MISSION SUCCESS

Over 35 mission-years in orbit delivering observation, platforms, science, navigation, propulsion, and secure communications support across military, security and civil space sectors

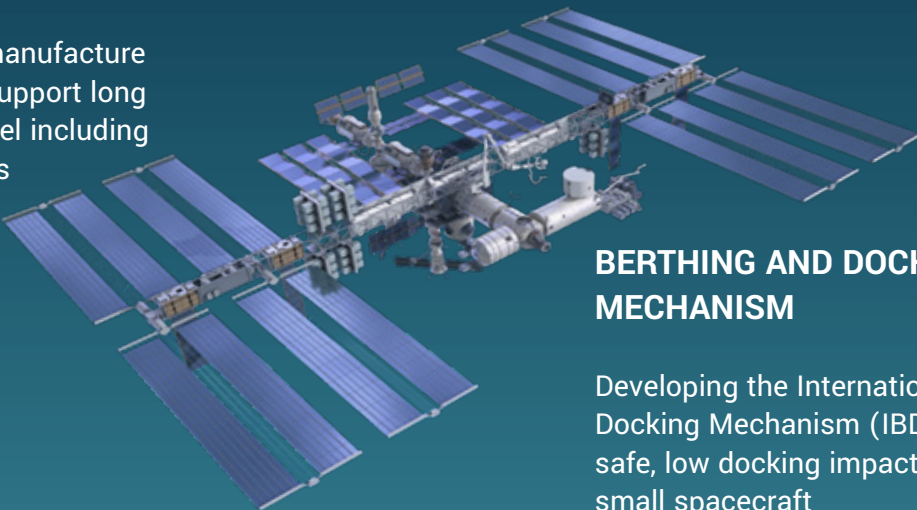


SMALL SATELLITE DEVELOPMENT AND MANUFACTURING

Highly manoeuvrable, autonomous and versatile small satellites, such as our hugely successful PROBA series, with advanced subsystems, onboard computers and avionics with the capacity to carry sophisticated payloads

SCIENCE EXPERIMENTATION

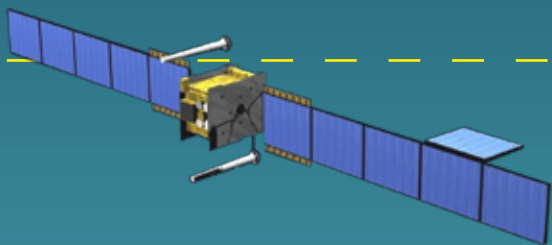
Development and manufacture of experiments to support long distance space travel including life support systems



BERTHING AND DOCKING MECHANISM

Developing the International Berthing and Docking Mechanism (IBDM) to deliver safe, low docking impact for large and small spacecraft

SPACE

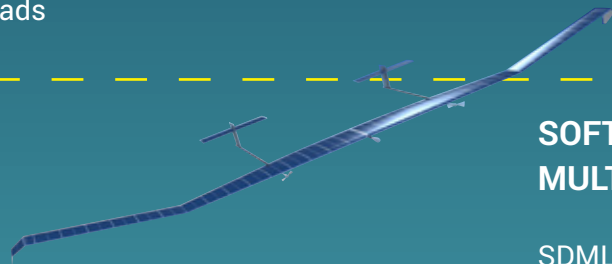


SECURED NAVIGATION

Secured, accurate navigation, positioning and/or timing for mission-critical activity, including the development of multi-constellation satellite receivers under the UK Robust Global Navigation System (R-GNS) programme

PROGRAMME AND MISSION ASSURANCE

Mission assurance and procurement expertise including the long term support of Skynet MilSatCom programme



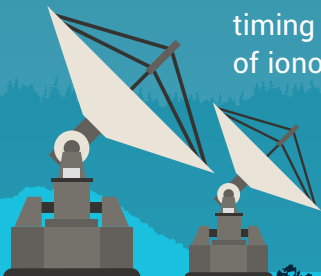
SOFTWARE DEFINED MULTIFUNCTIONAL LIDAR (SDML)

SDML capability including novel agile LIDAR architecture; Low SWaP sensing flexibility and optical communications mode that overcomes challenge with standard RF



SPACE SITUATIONAL AWARENESS

Capability to detect, track and identify artificial objects, debris. Highly accurate and resilient position, navigation and timing information. Forecasting impacts of ionospherics on satellite systems



CYBER ASSURANCE & SECURITY

Ground stations and secure operations centres that host, operate and maintain Comms infrastructure, including protective monitoring, hosting and intrusion detection



TEST, EVALUATION AND MANUFACTURING FACILITIES

State-of-the-art cleanroom facilities with manufacturing capability



SPACE LAUNCH RANGE SERVICE

Assuring the safety, environmental sustainability and security of customer launch operations through provision of range planning, surveillance, command and control and launch monitoring services



EARTH