

# Matthew STUTTARD



DOB: 8 June 1959

Nationality: UK

[linkedin.com/in/matthew-stuttard](https://www.linkedin.com/in/matthew-stuttard)

[matthew.stuttard@mstarspace.co.uk](mailto:matthew.stuttard@mstarspace.co.uk)

**Skills: Space Upstream and Downstream, Mission Definition, Bids/Reviewing, Negotiation, Project Management, R&D Portfolio Management, Creativity Stimulation, Business Modelling, *Satellite Technology Strategy Development, Space Technology Roadmapping*, Public Speaking, Media, Space Consultancy, Training and Project Evaluation**

## Domains of Expertise

**Space Upstream experience** - mission concepts and Phase A/B: Satcoms (GEO, LEO), Space Science (Solar Orbiter, Jupiter, Exoplanets), Space weather (Vigil), Space weather sentinels (future), Planetary Exploration (Exomars rover, MSR, Lunar rover, Lunar/Jupiter moon Penetrators), In-Space Robotics, Earth Observation (SAR, Hyperspectral), Space Debris Remediation (Remove Debris), Small Launchers, Lunar ISRU, Lunar Post Mission Disposal and Lunar Debris Mitigation.

**Space Technologies awareness:** digital on-board processing, free space optical communications, quantum secure communications, photonics, robotic components in-space and on-surface, in-space propulsion (C and E), thermal management, optical imaging, active and passive RF sensing, thermal and structure materials, additive manufacturing, antennas (deployable, active), radio-isotope thermo-electric generators (RTG), quantum technologies for space, TRL evaluation.

**Space Downstream experience:** land use/land capability mapping, land use change mapping, forest mapping, agricultural monitoring, precision agriculture with multi-spectral satellite imaging (pioneer), global vegetation fire monitoring (world first product at 1400nm).

**Generic:** Creativity Stimulation in group situations, Space mission definition, Critical Thinking and Analysis, Proposal Leading/Writing to win, Critical Reviewing (>400 proposals small to £1Bn+), Negotiation, Project Management, **R&D Portfolio Management**, Space Technology Patent Portfolio Management, Business Modelling, Complex Business Case Development, **Satellite Technology Strategy, Technology Roadmapping**, Inspiring Public Speaker/Presenter, Committees, R&D Expenditure Credits, collaboration with SMEs, Universities and colleges, Capacity Building, win-win teaming and IP agreement.

## **Company Roles and Selected Professional Experience** - updated February 2026

Sep 2023 - **MStar Space Ltd.** My own company, delivering space advisory services. Associated with Space Professionals Partnership Ltd. Technical due diligence on a SAR startup for a VC, Space proposal appraisals for a UK University. Assessment of proposals and projects for the Aqualunar Challenge. Study of Cislunar Post Mission Disposal for UKSA. Lunar Debris Mitigation Guidelines technical foundation study for UKSA. Support to Quantum Technology Roadmap for Space study.

2019 - Sep 2023 **Airbus Defence and Space** Head of Space Technical Strategy and R&D UK  
Role: Space Systems focal point for R&D internally and externally with UKSA, ESA, other UK Institutions, industry and SMEs. Coordinated with Airbus DS UK stakeholders: Space Programme Units (**Satcom, EO, Nav, Science, Robotics, Lunar and Mars Exploration, In-orbit Assembly, Space Safety**), Engineering, Satellite Manufacturing, Airbus CTO. R&D plan. UK aspects of ESA Industrial Policy Committee, winning ESA and UKSA technology projects. R&D Tax Credit process.

2013 - 2019 **Airbus Defence and Space** Advanced systems architect: Space Systems Engineering  
Role: develop advanced concepts with business cases. Topics: in-space manufacturing, space robotic arm and rovers, active debris removal, small launchers, satcomms, space weather, sensing, high altitude drones, radiation shielding, nanosats.

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- 2006 - 2013 **Airbus DS** HO Space Science and Robotic Exploration Future Programmes
- Trans-national R&D Coordinator (Space Robotics, Optical, Microwave, SAR)
  - Phase 0/A/B1 capture: Mars Sample Return, Solar Orbiter, JUICE, Euclid, Plato
  - Mission proposals (ESA, UKSA): Vigil Space Weather, asteroid sample return, exoplanet spectroscopy, lunar penetrator, lunar science package, asteroid deflection
- 2001 - 2006 **CGI (Logica)** Principal Consultant Earth Observation and Geospatial Systems
- ESA key account manager. Multiple proposals and projects with ESRIN on EO data. **GIS and Remote Sensing capacity development assistance over 5 year period: Watershed Management Directorate, Uttarakhand, India (EU funded).**
- 1996 - 2000 **Remote Sensing Applications Ltd** Director and Quality Management
- Monitoring farm subsidies using satellite imagery (UK govcontract). Synthetic Aperture Radar (SAR) applications R&D (ESA contracts). EO for Precision farming (EC FPV)
- 1990 - 1996 **Earth Observation Sciences Ltd** Project/technical manager. Software development for advanced satellite image products (ESA, EC, UK government), **Kenya Rift Valley Lakes monitoring (EC FPV) 3 year project with Regional Remote Sensing Centre in Nairobi.**
- 1989 - 1990 **Tydac Technologies** Geospatial information system (GIS) pre-sales support and product training courses in UK, Europe, Middle East and Asia
- 1982 - 1989 **Cranfield University/Silsoe College** Research. Lecturer in Applied Remote Sensing

## Selected Committee/Panel Experience

- 2019 - 2023 Global Network on Sustainability in Space (GNOSIS) – Board Member
- 2019 - 2022 SPace Research and Innovation Network for Technology SPRINT– Board Member
- 2017 - 2019 Eurospace: Access to Space Working Group, Airbus DS Ltd representative
- 2007 - 2013 UK Space: Space Science and Exploration Committee: member
- 2005 - 2007 British Association of Remote Sensing Companies: Chairman

## Patents

GB2626923A Contrail suppression (2023)

US20240352897A1 A method of suppressing contrails emitted by a propulsion system of an aircraft (2023)

## Education

1981 BSc (Special Honours), Geography, Sheffield University

## Interests

Swimming, Photography, Singing Sea Shanties, Fine Wine, Gardening. Pottery