

Uncrewed Aerial Systems

Product Development & Service Capability



Competencies & Services



Techno-Economic Modelling



CONOP Development



Operational Safety Risk Assessments



Hardware Design Consultancy



Regulatory Services



Full System Prime Integration & Test



Sub-system Design, Manufacture & Build



Through Life Product Support



Accreditations & Affiliations



CAA UAS RAE (F) Recognised
Assessment Entity (Flightworthiness)



ISO9001 / AS9100 QMS Organisation



List X Contractor



Registered UK UAS Operator



GVC Accredited Pilots



ARPAS-UK Member
BVLOS Special Interest Group



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Case Study: Lilypad Offshore UAS Development

From ideation, through to prototype demonstration, Marshall has led collaboration partners in the production of a Drone based, resident robotic automated offshore infrastructure inspection system. Using LiDAR sensors and voxel world generation to enable intelligent structure recognition and inspection path planning, Lilypad Offshore delivers a future-fit opportunity to gain operational, environmental and safety improvements to offshore wind farm operations.



Case Study: Low Observable UAV Design & Analysis

Through collaboration with its academic partners, Marshall has produced an innovative concept design for a multi-mission, multi-payload, low-cost modular UAV of trainer jet dimensions, backed up with analytically proven low observability.



Case Study: RAE(F) Accreditation Award

Marshall are a UK CAA approved Recognised Assessment Entity for Flightworthiness of UAS, committed to supporting safe adoption of advanced civil UAS in the UK.

Through proportional application of its technical and regulatory expertise in manned aircraft novel design and modifications, Marshall are well positioned to advise on Specific Assurance and Integrity Level (SAIL) compliance in line with UK SORA requirements.

