About Marshall Aerospace

Established in 1909, Marshall is a British engineering specialist with a rich heritage and an enduring commitment to serving governments and prime contractors.

As a global leader in military maintenance, repair and overhaul (MRO), we work closely with aircraft operators to keep their fleets mission-ready and mission-capable. We have supported the C-130 Hercules since 1966, earning multiple world-first accreditations, permissions and accolades for our excellence on the platform.

Drawing on decades of engineering expertise and wide-ranging design organisation approvals, we are able to plan, integrate and certify complex programmes from start to finish, from standard avionics upgrades to completely bespoke special mission conversions.

We are also a leader in precision manufacturing, designing and producing parts, components and complex subsystems for flagship defence programmes under long-term contracts for some of the world's largest OEMs.

Part 21G Production Organisation Approval

Part 21J Production Organisation Approval

MARSHALL

C-130 Fleet Intelligence

Recommending the right action at the right time to ensure long-term availability and airworthiness of individual aircraft and entire fleets.

Understanding the applicability, necessity and priority of OEM-specified **airworthiness actions** can be challenging, time-consuming and risky for operators.

Drawing on decades of experience, Marshall Aerospace's technical support teams can cut through the complexity, providing **clear insights** and **simple, actionable recommendations.**

Our customisable suite of **Fleet Intelligence** services combines OEM guidance, airframe usage data, technical records and broader C-130 knowledge to produce outputs that are tailored to each aircraft.

For more information please contact the Marshall sales team

marshallgroup.com

Overview

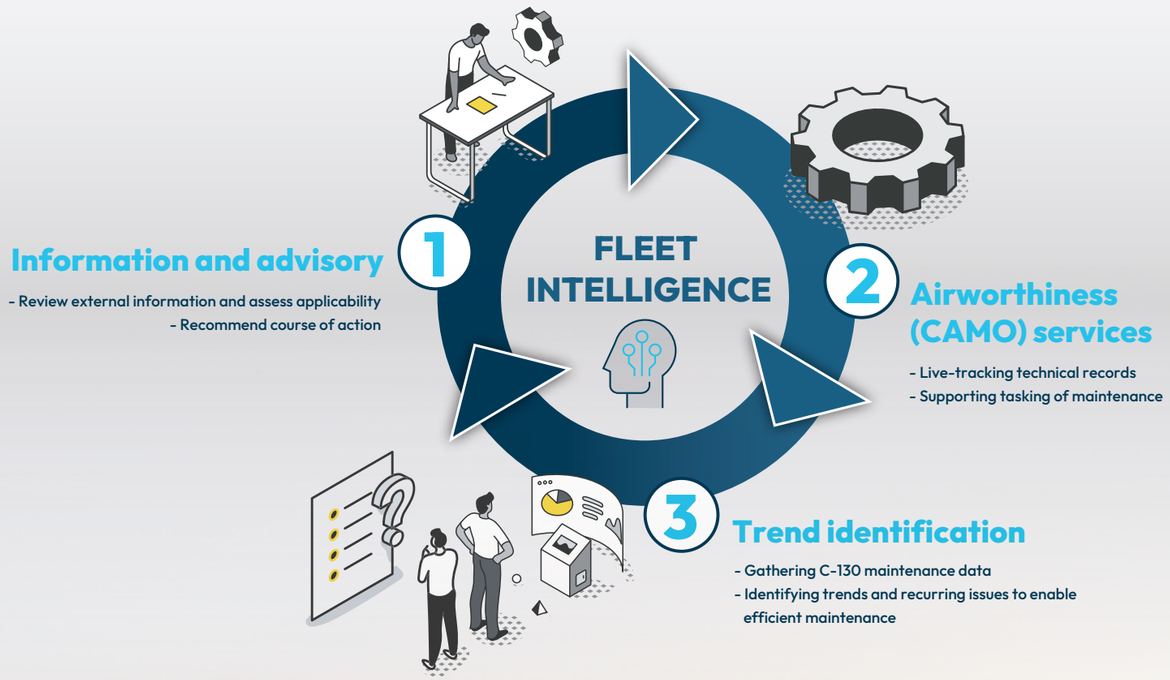
Marshall Aerospace offers a suite of C-130 Fleet Intelligence services designed to support availability and operational efficiency, taking a forward-looking approach to airworthiness as the requirements of an airframe evolve over the decades.

This offering is provided by a dedicated technical support team, backed by 60 years of experience on the C-130 platform and holding Part 21G and Part 21J approvals.

In addition to supporting in an indirect capacity, through provision of information and recommendations to customers or third parties, we can also gather data ourselves to directly inform the tasking of maintenance and engineering work to be performed by Marshall Aerospace.

Failure to remain current with aircraft or equipment OEM recommendations can lead to unscheduled downtime or, in certain circumstances, airworthiness risk.

There are three key elements to our Fleet Intelligence offering:



1. Information and advisory

Variations in service history, configuration and operational context can make it hard for operators to **apply and prioritise OEM guidance on an airframe-by-airframe basis**. This is complicated by the fragmented landscape of service bulletins, information letters and recommendations for aircraft, subsystems and components. Marshall's technical support teams can cut through this complexity with actionable insights.

Information services

With extensive access to service bulletins, service information and recommendations for aircraft and aircraft systems, we can review incoming information and assess applicability to fleets and aircraft based on configuration. This supports forward planning by ensuring that only relevant data is reviewed by the CAMO.

Advisory services

We can advise the best approach to implementing OEM recommendations, based on platform applicability, aircraft usage, safety implications, required timescales, availability of spares and alignment with future maintenance. This ensures airworthiness whilst optimising availability and operational efficiency.

2. Airworthiness (CAMO) services

Our technical support teams have years of experience of tracking aircraft baselines, usage and FRACAS data. We can use these sources of information to determine a baseline configuration and the structural usage of each aircraft in a fleet, ensuring that **the right maintenance tasks are carried out at the right time** to ensure the airworthiness of each aircraft.

Live tracking of technical records

Maintaining fault logs, flight logs, records of deferred defects (ADD) and repairs completed on an aircraft-by-aircraft basis is a critical component of airworthiness. Our teams maintain accurate aircraft records and ensure that documentation is accurate. We identify recurring faults, issues and trends through FRACAS processes.

Tasking of maintenance

Using accurate technical records and working alongside our Part 21J and Part 21G organisations, our teams ensure that the right maintenance advice is provided to operators for the management of continued airworthiness and independently assure adherence to maintenance programmes.

3. Trend identification

Alongside OEM publications, **information gathered during maintenance inputs** (such as non-routine work completed or consistent trends identified) is a valuable source for identifying trends and recurring issues, enabling efficient maintenance inputs. We can use this information to help predict future needs of aircraft with similar age and operation patterns. Baselining the emergent work against accurate operational usage evaluation (OUE) and individual aircraft tracking (IAT) data improves the quality of any prediction.

Working with 17 global customers on legacy and current models, Marshall has a comprehensive understanding of the maintenance needs of C-130 aircraft. As a digital organisation, our databases of information are continually expanding, enabling optimised maintenance.