



## MARK LANGRILL

## DIRECTOR ROTARY WING & UNCREWED AIR SYSTEMS

DEFENCE EQUIPMENT & SUPPORT



#### Increasing the Availability of the UK's Rotary Wing fleets. A Case Study

#### Strategic Context

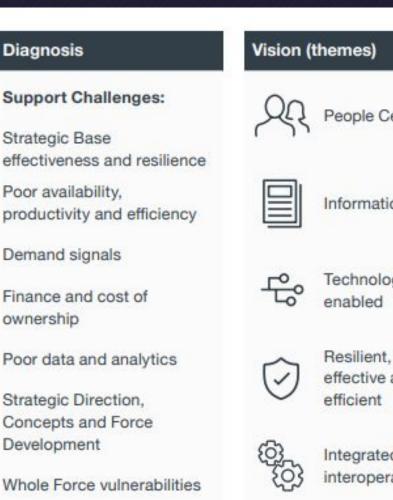
- International Order under rapidly increasing threat.
  - Russia Illegal invasion of Ukraine bringing war to Europe – most immediate threat today
  - Middle East widespread conflict and tension between multiple actors
  - China increasing economic, military and technological power with implications for the free and open international system
- DE&S alongside defence and security partners has critical role to play in deterring the UK's potential adversaries – success in our mission is not optional
- The DE&S mission:



#### **Increasing Defence Outputs**

#### Defence Support Strategy 2022

- Chief of Defence Staff • challenge to Increase Defence Outputs ('50% more availability from existing capabilities')
- Link to Defence Support • Strategy 2022 target Strategic Outcomes
- Rotary Wing Strategy • cohere Defence Rotary Wing Sector to meet availability challenge



The strategy will be reviewed periodically in line with major Government and Defence strategic reviews.





Information-led

Technologyenabled

effective and efficient

Integrated and interoperable

#### Strategic Outcomes (by 2025)



A capable and resilient Defence Support Enterprise



Enhanced decision making across the Defence Support Enterprise





A step change in Support Force Development and experimentation



Defence Support People enable future performance

3

Ways & Means

### Strategy Delivery

Integrated Defence and Security Review \* Command Plan Capability Demand

Defence and Security Industrial Strategy (Rotary Ving Sector)

fence Rotary Wing Strategy

Rotary Wing Acquisition Programme Rotary Wing Enterprise Support Solution

\* The Strategic Defence Review (SDR) is underway

\*\* As part of the SDR, the Rotary Wing Strategy is being refreshed



#### **Director Rotary Wing & UAS Portfolio**



### **Rotary Wing Enterprise Executive Summary**

Why RWE?

The drivers for change

- Failure to achieve the desired levels of rotary wing aircraft reliability and availability, impacting value for money and necessary reliability investment
- Cost plus relationships, reward under-performance and mis-aligns customer demand and resourcing
- Incoherent fleet and operational planning, disconnecting operations and maintenance
- Incoherent approach to address aging fleets and support systems in face of global cost growth challenge

RWE	
assumpt	ions

No new money Efficiencies recycled Performance-based payment

- RWE seeks no new money Necessary support investment will be self-funding or through gained efficiencies
- Exploiting technology
  - Simplified output focused KPI and resilient measures adopt best practice
  - 10 year contract to enable return on investment and financial stability
  - Recycling to create 'win-win-win' culture

# RWE redesign win-win-win for the Front Line, DE&S, and Industry

#### The RWE will be a win-win-win for

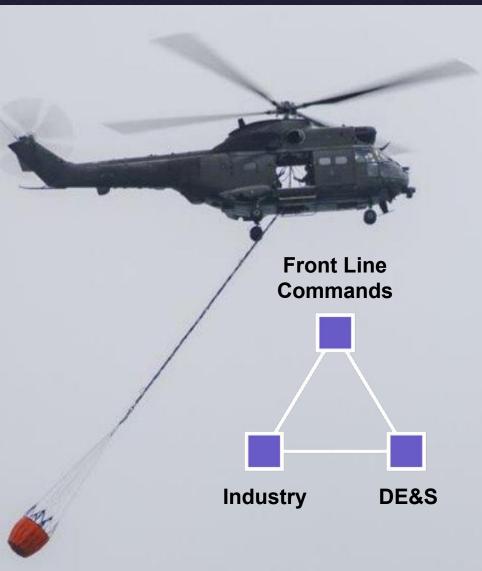
Front Line Commands Reliable delivery of the required output with enhancement funded from existing budget.

DE&S

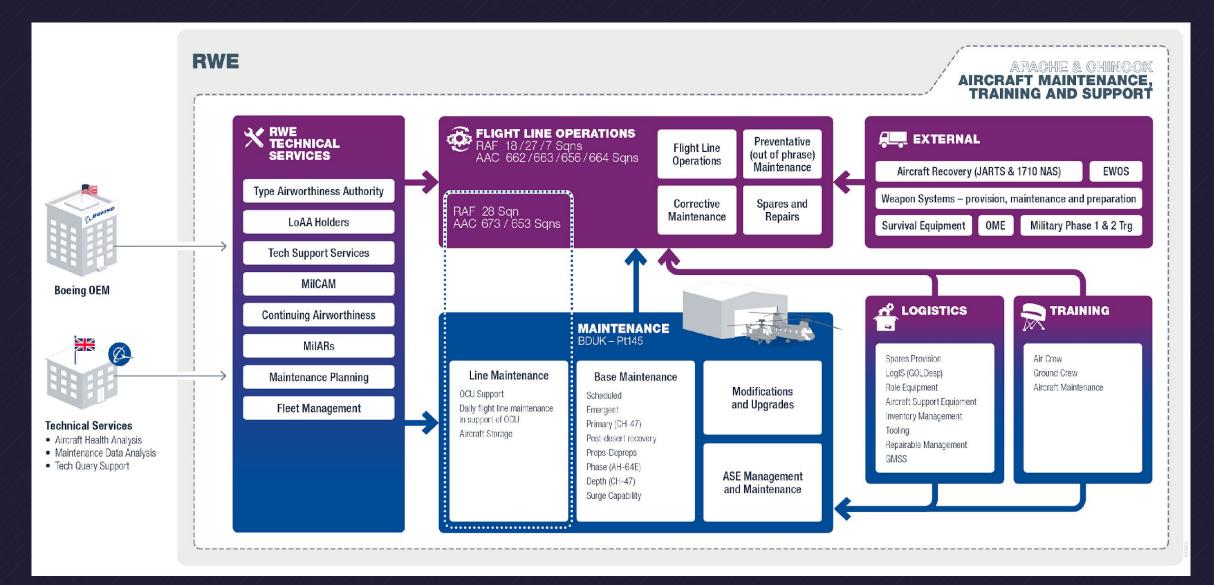
An effective, efficient and affordable support solution bound by a commercial framework that is simple with minimal effort to administer

Industry

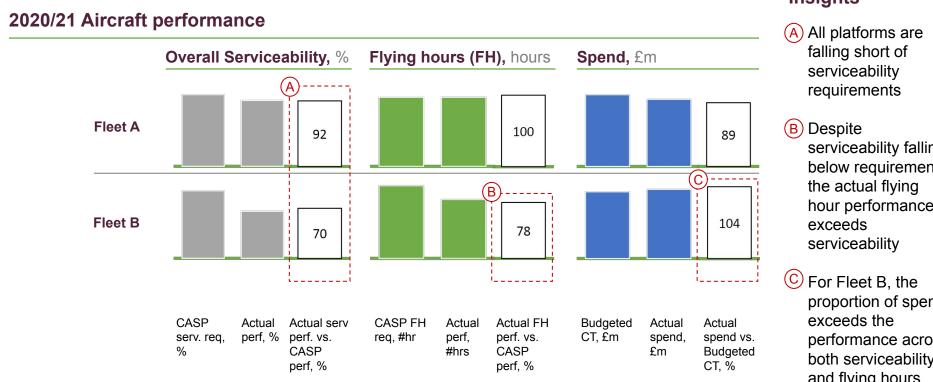
Ability to increase revenue, improve percentage margin, and invest in UK infrastructure with increased potential for future work



#### **Aiming Point: Indicative End State Design**



#### **Indicative Example**



#### Insights

serviceability falling below requirements, hour performance

proportion of spend performance across both serviceability and flying hours

#### **Transformation Cultural Change – The Challenge**



Delivering the right aircraft, with the right capability, at the right time.



#### **Key Themes & Enterprise Levers**

Reliable delivery of the required output

Investment needed funded within the Control Total

Affordable solution

Effective and efficient support solution, with framework simple to administer

Increase revenue and improve percentage margin



Moving the boundaries with Industry.

#### EH101 Merlin Mk2 Recovery – An Enterprise Endeavour

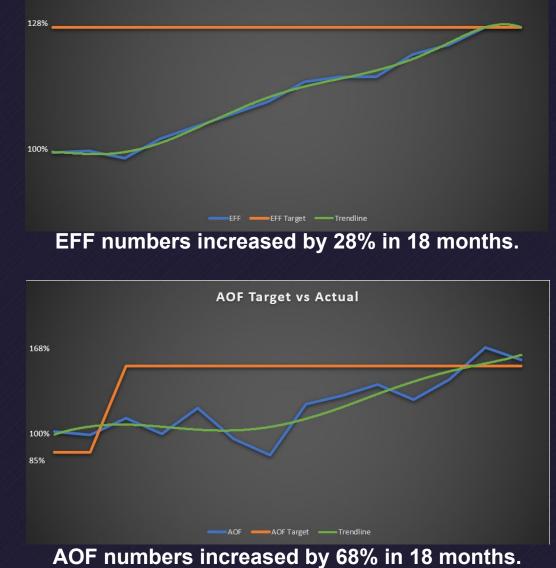
DE&S, Leonardo Helicopters UK & Navy Command embraced a truly collegiate approach to recover Merlin Mk2 availability.

Driven by shared goals, commitment to candid dialogue and the confidence to step outside process, this approach has delivered a significant increase in the availability of Merlin aircraft.

Effective Forward Fleet (EFF) = # of aircraft provided to squadrons Available to Operate & Fight (AOF) = # of aircraft AOF per day.

This collaboration has seen a convergence of stakeholder expertise, resources and innovation, enabling the rapid resolution of impediments and joint exploitation of opportunities.

Continuing to embrace this 'Enterprise' ethos, these gains have been sustained over the last 6-months.



EFF Target vs Actual



## **Questions?**