Leveraging AI to Automate Processes
Defence Organisation

1 **CONTEXT**

Air Mobility Control Centre's (AMCC) mission is to effectively and efficiently plan, construct and control air mobility missions using robust C3 systems and processes to meet operational and strategic objectives. Existing AMCC processes to design and execute a mission require significant manual effort. This prevents AMCC from being able to accommodate immediate, urgent taskings in as optimal a fashion as possible, for example to support national and international disaster relief efforts. Consequently, although AMCC personnel are highly skilled and experienced at converting requests into missions, they lack support from fit-for-purpose technologies that could enhance information capture and strategic decision-making. This constrains AMCC's ability to maximise the efficiency of Air Force's allocation of finite resources.

2 **APPROACH**

Deloitte worked with AMCC to:

- Conduct a comprehensive assessment of current AMCC processes and pain points
- Designed a fit-for-purpose reference architecture and provided a roadmap for technology uplift and workforce optimisation for AMCC
- Developed a bespoke proof-of-concept web application that used AI to perform load validation and airframe recommendations.

3 **IMPACT**

The final report provided AMG with a formalised framework to drive further continuation of the work in the future and the concept demonstrator gave Jericho and AMG a tangible way to present the work and underlying concepts to other stakeholders. The AMCC workforce as well as other Defence stakeholders have responded very positively to the proof of concept and are eager to understand where this work can be taken in the future. Through the report and AI fluency workshops, the awareness of AI technologies was increased within AMG.