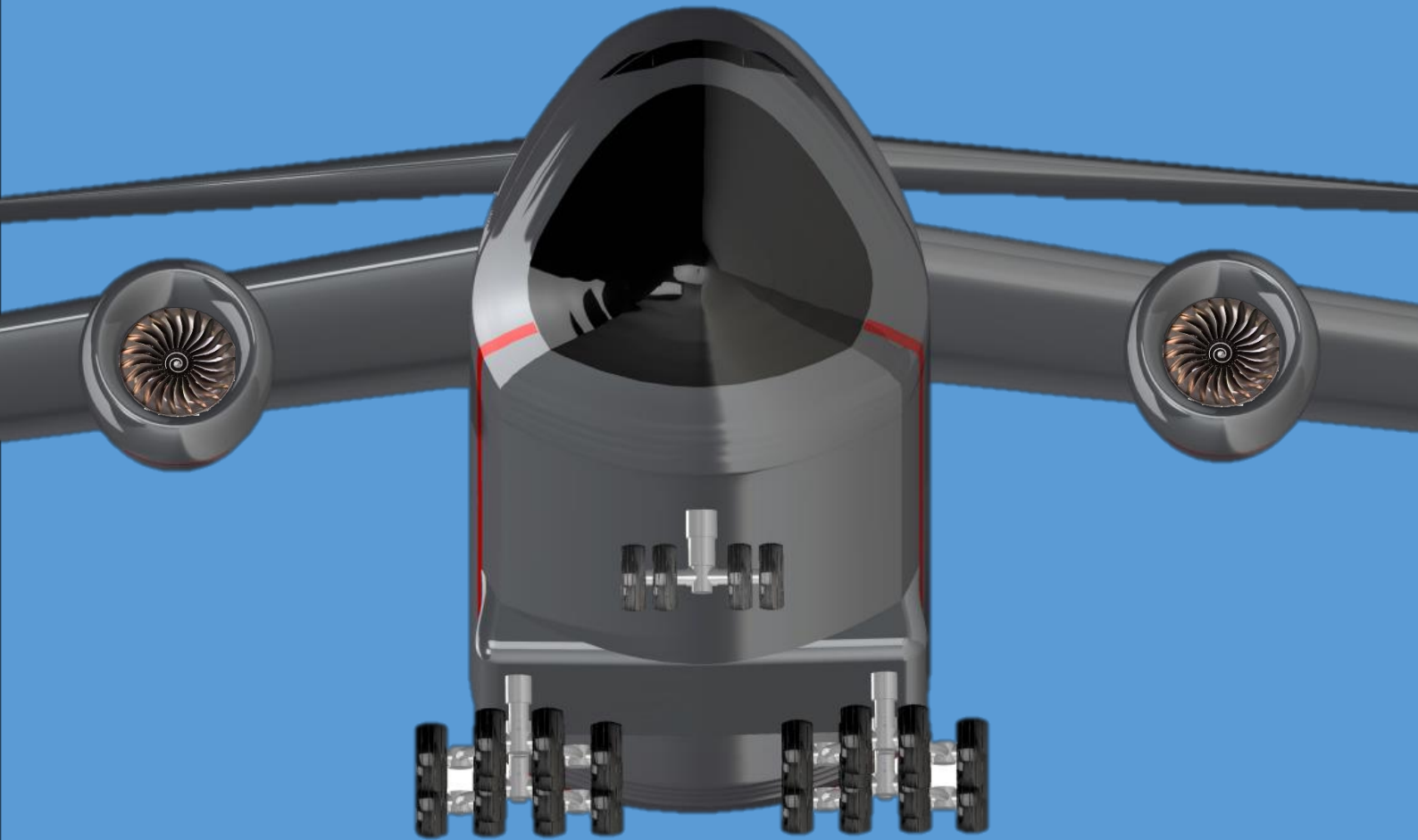


CX-0

“Lifting Mass Faster and Further”



The Request for Proposal (RFP) seeks development programmes for a Heavy Lift Mobility Platform (HLMP) to replace aging USAF Strategic Transports, most notably the C-5 Galaxy, set to retire by the mid-2040s. With a focus on enhancing global mobility, the HLMP must transport heavy payloads over extended distances while accommodating existing airbreathing powerplants. Operational requirements emphasise compatibility with all existing airfields, ensuring resilience in diverse environments. Proposals must prioritise affordability, minimising lifecycle costs to boost the HLMP’s commercial viability. The initiative addresses the pressing need to sustain USAF Expeditionary operations, providing Rapid Global Mobility and averting capability gaps in strategic transport.

Team HLMP introduces the CX-0 ‘Colossus’ to provide a solution to the RFP. CX-0 boasts an unrivalled 3000 nmi range at a payload of 195 tonnes, carrying 3 x M1 Abrams tanks or 48 ‘463L’ standard issue pallets, inside its 1375 m^3 cargo hold. At a 134-ton payload Colossus has capability to fly 5000 nmi from USAF Dover to RAF Brize Norton projecting its global influence. Colossus is enabled with advanced key features to fulfil operational requirements set out by the RFP. Technologies include kneeling capability to aid oversized cargo loading, a folding wing mechanism to achieve a 10.41 aspect ratio whilst still complying with ICAO Code F Airport regulations, and modern cargo ramp systems to minimise turnaround-time, ensuring manageable ground logistics for the USAF and allied forces worldwide.