

Ascent and HutSix Propel Aviation Software to New Heights with Groundbreaking Air Safety Innovation

[Ascent](#) are pleased to announce a new strategic collaboration with fellow [LotFourteen](#) tenants, [HutSix](#), in enhancing the software development and digital efficiencies of our Military Off The Shelf (MOTS) Aircraft Weight & Balance (W&B) application, [AeroATLAS](#). This collaboration signifies a milestone that simply wouldn't have been achieved without the unique environment and opportunities provided by Lot Fourteen.

In a world where digital transformation and safety are paramount, this collaboration for AeroATLAS signifies a commitment to the cutting-edge of technological advancements and underscores a shared vision for pioneering in the realm of military aviation solutions.

AeroATLAS, a first-of-its-kind W&B application, has been designed from the ground up to address the unique, time-sensitive weight change scenarios and configurations demanded by military aviation roles and environments. This tool is set to revolutionise how aircrew manage workload, enabling swift, safe, and informed decisions from mission to mission.

[Gennaro DeMarco](#), Ascent aerospace engineer and the pioneer behind the AeroATLAS concept has commended this milestone in stating that,

'In the face of hostility, and whilst shouldering the responsibility of countless lives, it is imperative that our front-line operators can go where they need to go, when they need to go. This collaborative effort has been a necessary step towards enabling digital transformation at a time where the continued tolerance of spreadsheets during operations should not be the desired outcome of any modern military. Our approach in closing the gap between the developer and the end-user is fundamental to ensuring we equip our front-line operators with the right tools and support.'

[Brad Bellette](#), CEO of HutSix, expressed his enthusiasm about the collaboration, stating,

'The AeroATLAS project has been a collaborative endeavour that has followed our traditional project management style of working alongside a client without a software engineering background, and turning their idea into a tangible product with market fit. AeroATLAS is a system that is built with aerospace engineering logic, and powered by HutSix's signature front end style and user focused system design.'

The partnership between Ascent and HutSix, both tenants of the world-renowned innovation district Lot Fourteen, is a testament to the collaborative and innovative environment that fosters groundbreaking solutions to complex challenges. This strategic relationship marks a significant milestone in advancing military aviation technology and operational readiness.

AeroATLAS stands as a beacon of innovation, encapsulating all the nuanced aspects of Military Configuration, Role & Environment (CRE). Beyond routine pre-flight calculations, AeroATLAS readily handles complex mission-critical considerations for air-to-air refuelling, fuel pump failure analysis, crew movements and stores expenditure, into one safe and secure

software package. Its intuitive design ensures accuracy, reliability, and ease of use in high-pressure settings, making it a game-changer for military operations worldwide.

Underpinned with a modular software architecture, AeroATLAS is a truly powerful offering that is ready for any aviation platform. Irrespective of the operational complexity AeroATLAS is a versatile "plug and play" solution that is as agile as the activities it needs to support – giving operators exactly what they need, when they need it.

With AeroATLAS, Ascent leverages the deep experience of its team—comprised of veterans and subject matter experts familiar with the challenges and frustrations of existing military W&B solutions—to deliver a comprehensive, agile, and safety-oriented tool that is set to redefine mission readiness and operational efficiency.

About Ascent

Ascent Pty Ltd is a wholly Australian, veteran owned company that specialises in support to Defence and related industries with a specialisation in Guided Weapons and Explosive Ordnance Engineering and Sustainment. Our highly experienced workforce, comprising of nearly 50% veterans, has significant experience in a range of engineering and logistics specialisations, management consultancy, research & development, and testing & evaluation. Additionally, Ascent is a leading innovator in military aviation solutions, drawing upon the extensive experience of its team to address and solve the critical challenges faced by military operations today. With a focus on safety, efficiency, and technological advancement, Ascent is dedicated to delivering world-class solutions that meet the rigorous demands of military aviation.

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About HutSix

HutSix is a bespoke software engineering and consulting firm based in Alice Springs, Australia. HutSix is committed to driving digital transformation and delivering impactful change through innovative technology. With a strong focus on customer-centric development and meaningful contributions to regional Australia, HutSix is at the forefront of software engineering excellence.

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