

CASE STUDY

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3D PHOTOGRAMMETRY INSPECTION





1 / Introduction

A 3D model of the jetty's surface and underside is being developed using drones and camera sensors for photogrammetry mesh modelling for a major mining operator. The initial data capture for the tail-end jetty is complete and available on the inSite platform. The next phase of data capture is planned during an upcoming shutdown. The project aims to merge and deliver the two models via the InSite platform within 4-6 weeks from the initial capture.

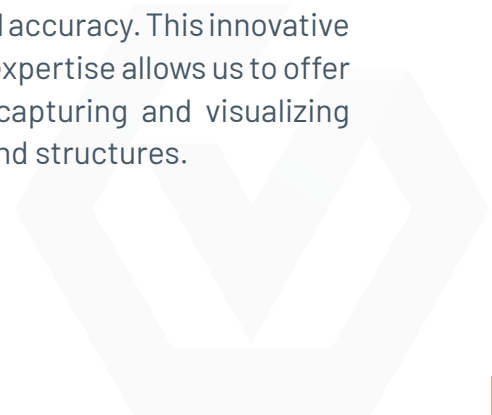
Veritech operates across Australia, NZ, and the USA, offering a broad range of inspection, NDT, and

maintenance services supported by specialized access systems. AUAV, a leading firm in UAVs and 3D modelling, leverages drones and camera sensors for precise 3D modelling of various structures and landscapes. Their proprietary platform, inSite™, provides a centralized hub for clients to access and interact with the 3D models. With a commitment to innovation, AUAV's team expertly blends advanced technology with in-depth knowledge of UAVs and photogrammetry, catering to various industries like mining, construction, and environmental monitoring.

2 / Innovation

AUAV stands at the forefront of innovation in our geography by pioneering advanced techniques in drone-based 3D modelling. Our unique approach combines cutting-edge UAV technology with state-of-the-art camera sensors to provide

unprecedented detail and accuracy. This innovative blend of technology and expertise allows us to offer unmatched services in capturing and visualizing complex environments and structures.



3 / Project Summary

AUAV, headquartered in Melbourne, Australia, is redefining the landscape of drone-based 3D modelling with our innovative and forward-thinking approach. With a relentless commitment to excellence, we have pioneered groundbreaking techniques that have transformed how industries in our region harness the potential of aerial and ground data capture and analysis.

Our primary mission is to deliver comprehensive 3D modelling services with unparalleled precision and detail. These services have broad applications across diverse industries, including mining, construction, environmental monitoring, and infrastructure inspection. We have elevated the standards for 3D modelling processes by leveraging cutting-edge UAV technology and state-of-the-art camera sensors.

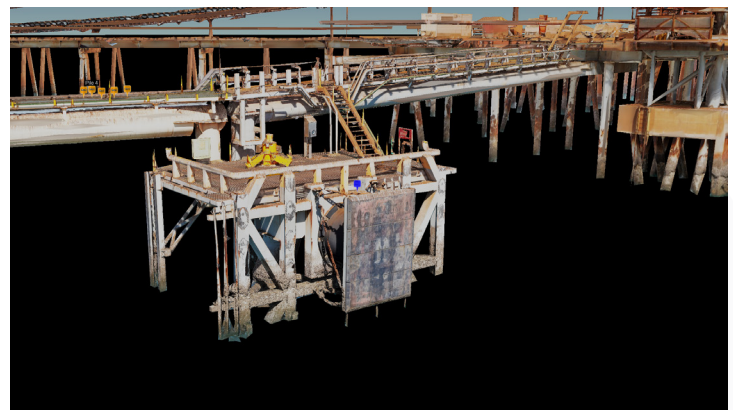
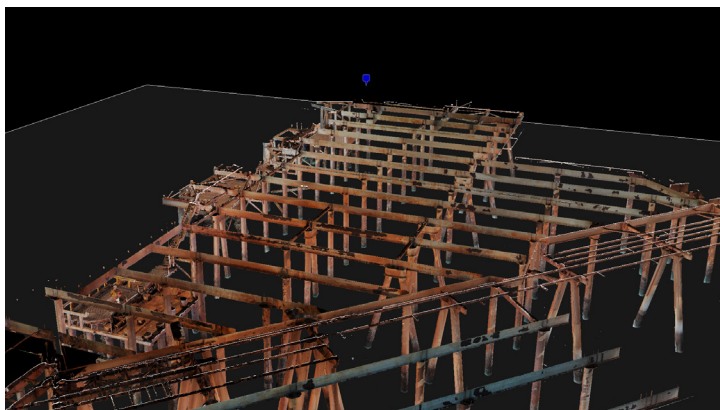
Our innovation's core is the fusion of high-tech tools and deep expertise. We employ the latest UAV technology to capture data efficiently and accurately. Our state-of-the-art camera sensors allow us to capture intricate details and produce 3D models that are not only highly accurate and visually striking.

A pivotal component of our innovative approach is our in-house developed web portal, inSite™. This platform is the central hub for hosting, managing, and visualizing the 3D models we generate. Clients can access and explore these models effortlessly through

an intuitive user interface, streamlining collaboration and facilitating informed decision-making. inSite empowers our clients by providing a centralized repository for all project-related data, simplifying data management and enhancing project efficiency.

Our commitment to staying on the cutting edge extends to our strategic partnerships with leading technology providers and research institutions. These collaborations ensure that we continually leverage the most advanced tools and methodologies available in the industry. By working closely with industry leaders and academic institutions, we remain at the forefront of technological advancements, constantly pushing the boundaries of what is achievable in drone-based 3D modelling.

AUAV's pioneering efforts in drone-based 3D modelling have not only transformed how our clients approach data capture and analysis but have also led to significant improvements and cost savings across various industries in our region. Our commitment to innovation has empowered businesses to make more informed decisions based on highly accurate and visually immersive 3D models.



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