



DRONES ARE RESHAPING OUR WORLD

Project Skyway CONSORTIUM CARDS



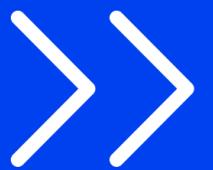
A look at the consortium members and the role they play in Project Skyway.

Project Skyway pioneers safe integration of uncrewed vehicles into unsegregated airspace, eliminating the need for equipment or airspace closures. Opening the drone economy with automated drone operations at scale.



ALTITUDE ANGEL

ALTITUDE ANGEL



ROLE IN PROJECT

Project consortium lead. Altitude Angel's ARROW technology is the enabler for Beyond Visual Line of Sight (BVLOS) uncrewed flight. Feeds from our ARROW tower multi sensor arrays are received into Altitude Angel's GuardianUTM (Unified Traffic Management) platform and instructions sent to drone operators for the deconfliction of their drone and other crewed aviation.

MISSION

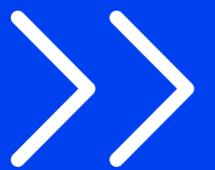
The societal benefits of UAVs are vast and span many industries and sectors, but there is work to be done before they can be part of everyday life. This is why at Altitude Angel we are creating the technology to safely enable fully automated drone flights at scale.

TYPE OF ORGANISATION

- | | |
|--------------------|-------------------------------------|
| Technology | <input checked="" type="checkbox"/> |
| Drone Operator | <input type="checkbox"/> |
| Local Authority | <input type="checkbox"/> |
| Industry Expert | <input checked="" type="checkbox"/> |
| Project Management | <input checked="" type="checkbox"/> |
| Infrastructure | <input checked="" type="checkbox"/> |
| Safety | <input checked="" type="checkbox"/> |



ARROW TOWER



ROLE IN PROJECT

With a variety of design options the ARROW towers are home to the multi sensor arrays that provide the information feeds into Altitude Angel's GuardianUTM platform. The feeds are digitally analysed, creating an enhanced situational awareness of all air traffic allowing for deconfliction of the automated drones using the Skyway superhighway to conduct their Beyond Visual Line of Sight missions safely and compliantly.

MISSION

To provide the infrastructure required to hold best in class sensor arrays that enable BVLOS drone operations, unlocking the full potential of drones for societal benefit.

TYPE OF ORGANISATION

- Technology
- Drone Operator
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ARROW SUPERVISOR



ROLE IN PROJECT

The 'first of its kind' Arrow supervisor role plays a pivotal part in overseeing flying operations on the Skyway 'Arrow enabled' superhighway. Liaising with Skyway customer drone operators and making sure they can complete their flights safely and efficiently. Think of it as an ATC for automated drone operations with full visibility of all digital feeds from the Arrow sensor towers.

MISSION

Enabling safe operations to all Skyway drone operators

TYPE OF ORGANISATION

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GUARDIANUTM



ROLE IN PROJECT

Altitude Angel's GuardianUTM (Unified Traffic Management) is the technology platform that consolidates data from ARROW towers to create a real-time digital view of air traffic. GuardianUTM provides situational awareness not only to ARROW supervisors but also to users of Altitude Angel's leading drone planning tools. These users, including drone operators, landowners, and airports, benefit from a centralised and up-to-date view of drone activity, enhancing overall coordination and safety in the airspace.

MISSION

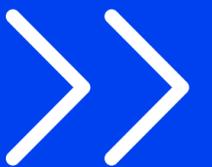
Keeping the skies safe and enabling the beneficial use of drones. Providing the safest and most comprehensive collective view of air traffic, both crewed and uncrewed

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SKYFARER

SKYFARER



ROLE IN PROJECT

Skyfarer, an experienced drone operator, has been actively engaged in diverse drone trials and projects. Skyfarer conducted successful Beyond Visual Line of Sight (BVLOS) flight trials connecting hospitals in Coventry and Rugby, an accomplishment that significantly reduced both the time and cost associated with transporting time-sensitive medical deliveries. Within the Project Skyway consortium, Skyfarer plays a pivotal role in executing operational trials, particularly focusing on medical delivery.

MISSION

We ensure those that could benefit from drones, can bypass the challenges of implementing drone operating, by offering Drone as a Service

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Skypports

DRONE SERVICES

SKYPORTS DRONE SERVICES



ROLE IN PROJECT

Skypports, an established drone operator and drone infrastructure organisation, plays a vital role in Project Skyway's operational trials. Skypport's main focus in the project supports the Environment Agency with waterway surveys in Reading. By using drones for extended distances for these surveys without 'visual spotters,' there are improvements to safety, reduced costs, and minimised environmental impact compared to traditional methods.

MISSION

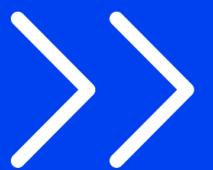
Flying drones to solve complex problems

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HEROTECH8



ROLE IN PROJECT

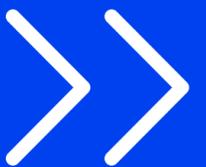
Herotech8 is a well-established drone operator, using drones for a number of drones-for-good use cases. Within Project Skyway, Herotech8 is trialling commercial building and infrastructure surveys. Drones enhance survey efficiency and safety, reducing costs and time compared to traditional methods. The full advantage of drone use in building surveying will be greatly improved by beyond visual line of sight operations.

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BT



ROLE IN PROJECT

BT's dedicated drone team are using their new Drone SIM within the Project Skyway trials, allowing operators to fly via cellular communications. Paired with BT's Airborne RF, this combination gives visibility into Drone SIM coverage and operational areas. In addition, BT's DroneShield, a deployed drone detection sensor, plays a vital role on the ARROW towers, enhancing the overall capabilities of the system.

MISSION

To provide innovative solutions and scalable services that exceeds customer's expectations through integrity and value driven expertise.

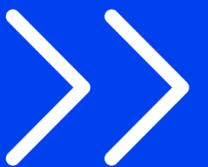
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VIZGARD

VIZGARD



ROLE IN PROJECT

Vizgards' machine learning technology interprets visual data in a way that GuardianUTM can understand, processing it from the ARROW tower sensor array. This transforms information that a human would analyse into a format compatible with the overarching GuardianUTM platform giving automated, long-range 360° visual detection along the drone flight corridor to enhance flight safety and BVLOS capabilities

VISION

To pioneer vision automation for an ever-more peaceful and prosperous world

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ANGOKA

ANGOKA



ROLE IN PROJECT

Angoka, a leading cybersecurity startup, is developing a cyber-resilient communication and remote ID solution that safeguards the integrity and authenticity of communication between aircraft, operators, UTM systems and the wider superhighway network. The project Skyway trial showcases the potential of Angoka's solution in ensuring and enhancing the safety and cyber resilience of the overall communication framework within the superhighway.

MISSION

Ensure the safety and resilience of next-generation mobility and smart cities by providing next-generation cybersecurity solutions to protect the communication of connected systems.

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CATAPULT

Connected Places

CONNECTED PLACES CATAPULT >>

ROLE IN PROJECT

Connected Places Catapult leads the Regulatory & Policy aspects of Project Skyway. They have a pivotal role in both stakeholder and public engagement, as well as the human factors element, ensuring a deep understanding of how people interact with the system. Human factors refer to the study of how human behaviour, capabilities, and limitations impact the design and operation of systems. Additionally, they contribute to the future exploitation of the superhighway, ensuring its continued success.

MISSION

We provide impartial 'innovation as a service' for public bodies, businesses, and infrastructure providers to catalyse step-change improvements in the way people live, work and travel. We connect businesses and public sector leaders to cutting-edge research to spark innovation and grow new markets

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ARPAS-UK



ROLE IN PROJECT

ARPAS-UK, the UK drone trade body, plays an important role in Project Skyway by connecting the project with the drone community, engaging with them on the status of the project and relaying valuable insights to the project team. Additionally, ARPAS-UK contributes to the education of key communities, demonstrating the benefits of drones for the UK economy, and helping local communities. Finally, ARPAS-UK provides guidance to the regulatory affairs stream of the project and involvement in the expansion of the post project phase.

MISSION

ARPAS-UK's objective is to collectively accelerate the safe adoption of drones for the benefit of the UK economy and wider society through advocating for proportionate regulations & standards, educating end-user industries on the benefits of faster, safer, cheaper and smarter operations using drones, and addressing future-facing industry challenges.

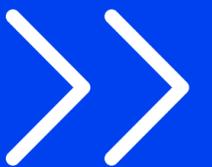
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Coventry City Council

COVENTRY CITY COUNCIL



ROLE IN PROJECT

Coventry City Council plays an important role in Project Skyway by providing guidance on local policy and engagement, contributing to the project's sustained success. As a forward-thinking Council, and following on from the very successful Air One Project, Coventry City Council is taking the next steps in the development of the drone economy. In particular recognising the benefits that can be achieved in lowering carbon emissions and providing efficient, safe and lower cost services to the community.

MISSION

Automating vision for safer, smarter security

TYPE OF ORGANISATION

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Reading
Borough Council

Working better with you

READING BOROUGH COUNCIL



ROLE IN PROJECT

Reading Borough Council's involvement in Project Skyway revolves around local policy and public engagement. As a forward-thinking local authority, the council is looking at the safe integration and expansion of drone operations, which paves the way for diverse benefits within the community and opens commercial opportunities.

MISSION

To help Reading realise its potential and to ensure that everyone who lives and works here can share the benefits of its success

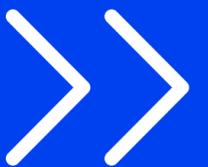
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**OXFORDSHIRE
COUNTY COUNCIL**

OXFORDSHIRE COUNTY COUNCIL



ROLE IN PROJECT

Oxfordshire County Council provides local policy guidance and engagement within Project Skyway. With a history of active involvement in drone projects, the council contributes to the advancement of the drone industry and the associated benefits it brings. Through their involvement in Project Skyway, Oxfordshire County Council is working towards the safe adoption and growth of drone operations and bring to their community the benefits to be had.

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Skyway Video

For a look at some of the benefits to be gained by Skyway, scan the QR code above...

Or go to:

<https://www.altitudeangel.com/solutions/skyway>