



Urban-Air Port® Ltd

Product Brochure 2022



Message from our Founder & Executive Chairman, Ricky Sandhu

“ **Welcome to Urban-Air Port.**

It's with great pleasure to introduce you to our incredible Advanced Air Mobility team and technology; our suite of products, services and global ecosystem – the strongest of its kind in the world.

I'm extremely proud that in such a short space of time our work has been recognised as world leading in the Advanced Air Mobility sector and our management goal to deliver over 200 Urban-Air Ports across the world in the next five years.

Our patented technology allows for an ultra-compact but high capacity infrastructure. Precisely what is required in complex, dense urban locations – where the demand lies, where our passengers and members work and live.

We can unlock and activate locations such as our launch site in Coventry and build socio-economic value as a new urban-commodity for the community, city and region – a new form of Transit Oriented Development.

Join us on this exciting journey.”

**Urban-Air Port's Ultra
Compact Technology
Unleashing High Capacity**



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Our Mission

DESIGN • DEVELOP • MANUFACTURE • MARKET • OPERATE • GROUND, AIR & DIGITAL INFRASTRUCTURE

To remove the largest single constraint to sustainable advanced air mobility – infrastructure.

To significantly cut congestion and air pollution from passenger and cargo transport.

To create a Zero-Emission-Mobility ecosystem through the utilisation of best-in-class Design, Technology and Manufacturing.

To build the world's strongest advanced air mobility ecosystem.



GROUND INFRASTRUCTURE

- » Command & Control
- » Real-time charging
- » Passenger air taxi lounge & hospitality
- » Cargo logistics hub
- » Integrated hanger
- » FATO
- » Intermodal hub
- » Standard Operating Procedures + ORAT
- » Facilities Management
- » Emergency protocols
- » Aircraft handling
- » Passenger & logistics interface
- » Customer experience

AIR INFRASTRUCTURE

- » Test & Evaluation – Verification & Validation
- » Logistics & passenger eVTOLs
- » OEM operator agnostic
- » Air corridor creation & maintenance
- » UTM Integration
- » 4G/5G platform
- » Airspace regulation development
- » Landowner engagement
- » Public acceptance

DIGITAL INFRASTRUCTURE

- » Digital app
- » Booking portal
- » Consumer touchpoint
- » E-Commerce Platform
- » Urban-Air Choice non-aeronautical services
- » Community engagement
- » Customer Membership
- » Asset Management

Our Team

C-Suite



Ricky Sandhu
 Founder & Executive Chairman
 Board Director
 Ex **Foster + Partners**



Adam Slepian
 UAP Board Director &
 Global Head of Partnerships
 at Supernal
 Ex McKinsey
 & Company



Adrian Zanelli
 Chief Financial Officer
 Ex **citibank**



Andrea Wu
 Chief Operating Officer
 Ex **GRIMSHAW**



Alan Jones
 Chief Technology Officer
 Ex **QINETIQ**



Stuart Bloomfield
 Chief Development Officer
 Ex **CBRE**



Nick Chrispin
 Co-Head of Architecture (Air)
 Ex **PASCALL+WATSON**



Jeff Ashe
 Chief Commercial Officer
 Ex **ARUP**



Edson Yabiku
 Co-Head of Architecture (Ground)
 Ex **Foster + Partners**



Darryn Holder
 Head of Planning
 Ex **NACO**



Keith Hunter
 Chief Retail Officer
 Ex **QATAR**



Nick Goddard-Palmer
 Chief Hospitality Officer
 Ex **QATAR**

Advisory Board



Mathias Thomsen
 Global Electric Aviation &
 Partnerships
 Ex **AIRBUS**



Richard Matthews
 UKIMEA Airport
 Developments &
 Partnerships
 Ex **ARUP**



Clive Sauve-Hopkins
 Global Aviation Services
 & Ground Operations
 Ex **QATAR**



Wayne Harrop
 Global Disaster Emergency
 Management & Security
 Ex **Coventry University**



Mike Forster
 Global Aviation
 Infrastructure Development
 Ex **british aviation group**



Paul Hulme
 Project &
 Construction Management
 Ex **Severfield**



Matthew Sattler
 Global OEM and
 Ecosystem Partnerships
 Ex **BOOM**



Duncan Hopkins
 Head of Asset Management
 & Customer Experience
 Ex **QATAR**



Lewis Evans
 Head of Communications
 Ex **Department for Business, Energy & Industrial Strategy**



Ryan Atkins
 Senior Aviation Planner
 Ex **MOTT MACDONALD**



Chul-Jun Sung
 Lead Industrial Designer
 Ex **STING**



Caitlin Davies
 Architectural Designer
 Ex **UTCI**

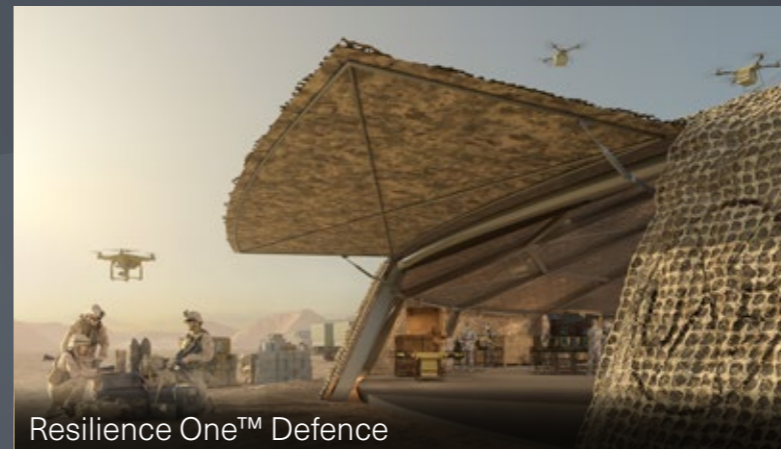


Kyra Johnston
 Junior Architect
 Ex **UTCI**

Wider Team



UAP Product Family



Passenger Air Taxi Services

Air One®

Urban-Air Port's Model Air One®



Enabling Zero Emission Flight

Using renewables in off-grid locations



Cost Efficient

CapEx and OpEx far lower than airports with comparable throughput



Scalable

Multiple sizes for customers to match to their market



Rapidly deployable

Portable and quick to install. Designed for transport in shipping containers



Solution to AAM lack of Infrastructure

First demonstrator in April 2022



Compact footprint

60% the land take of a comparable heliport, reducing cost in urban locations



Technology driven

With patented 3Dimensional airfield



Modular

Integrated pax and cargo operations increase flights and reduce operational costs





Air One® – Ground

Urban-Air Port's Model Air One®

“Cars need roads. Trains need rails. Planes need airports. eVTOLs will need Urban Air Ports. Over a hundred years ago, the world's first commercial flight took off, creating the modern connected world. Urban Air Port® will improve connectivity across our cities, boost productivity and help the UK to take the lead in a whole new clean global economy.”

Urban-Air Port Limited designs, develops, manufactures, sells and operates ground, air and digital infrastructure for new forms of sustainable urban air transport such as air taxis and autonomous delivery drones. Its mission is to remove the largest single constraint to sustainable air mobility – ground infrastructure – In order to create a zero-emission-mobility ecosystem that will significantly cut congestion and air pollution from passenger and cargo transport.



Ricky Sandhu
 Founder & Executive Chairman
 Urban-Air Port Ltd.

Model » Air One® Ground	Operations » Optional
Size » 1700sqm (Scalable)	Air Infrastructure » Optional
FATO » 3No. (Scalable)	Digital app » Optional
eVTOL » Agnostic	Cost » On enquiry
Finish » Tailored to suit	

Air One® – Rooftop

Urban-Air Port's Model Air One®

Our lightweight modular system enables rapid deployment and integration to existing buildings and rooftops.

“Cleaner, inter-city flight technology is vital not only to reducing emissions, but to better connecting remote communities, from small towns in the UK to isolated settlements all around the world. As we build back greener from the pandemic, initiatives like the government-backed Air One® project will help us develop the infrastructure needed to make our dreams of flying taxis a reality.”

The Rt Hon Kwasi Kwarteng

Secretary of State for the Department of Business, Energy and Industrial Strategy



Model » Air One® Rooftop

Size » Varies

FATO » Varies

eVTOL » Agnostic

Finish » Tailored to suit

Operations » Optional

Air Infrastructure » Optional

Digital app » Optional

Cost » On enquiry



Air One® – Water

Urban-Air Port's Model Air One®

Our various anchor technologies create a new opportunity for offshore, floating infrastructure for security, resilience and tourism.

“Urban-Air Port will change the way we travel forever – unlocking clean urban air transport for everyone, improving connectivity in congested cities, cutting pollution and boosting productivity.”



Ricky Sandhu
 Founder & Executive Chairman
 Urban-Air Port Ltd.

- | | |
|---------------------------|-------------------------------|
| Model » Marine One | Anchor » Varies |
| Size » Varies | Operations » Optional |
| FATO » Varies | Air Infrastructure » Optional |
| eVTOL » Agnostic | Digital app » Optional |
| Finish » Tailored to suit | Cost » On enquiry |

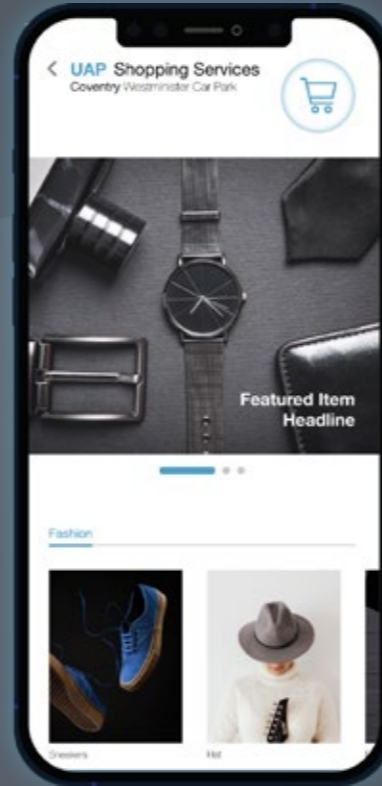
Urban-Air Port® App

Urban-Air Port's Digital Platform

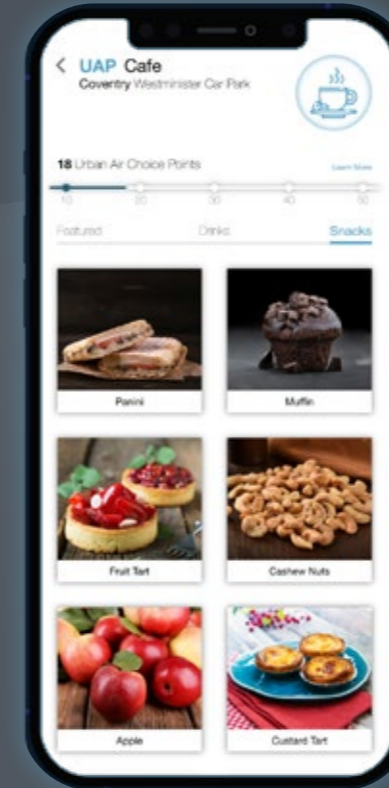
- » Journey planning, flight reservations, check-in & boarding
- » E-commerce platform: Urban-Air Choice®.
- » Browse and buy retail brand showcase, as well as exclusive offers through our partnerships with service providers and event organisers.
- » Click & Collect ordering from the Urban-Air Café Bar.
- » Integrated vending solutions.
- » Loyalty program with benefits and rewards.
- » Online payment options.
- » Advertising platform for partners and services.
- » Data collection opportunity.



Booking



Shopping



Dining



Charging



Parcel logistics

Urban-Air Choice® – Retail

Urban-Air Port's non-aeronautical services

- » Interactive and experiential brand showcase spaces situated within the Urban-Air Port® lounge.
- » Unique retail offers, exclusivities and promotions with innovative brands and products.
- » Fully integrated smart vending solutions that work in parallel with the Urban-Air Port® App.
- » Low operating costs, no stock-holding.
- » Direct marketing opportunity.
- » Revenue opportunity in brand new travel sector.
- » Responsible retailing through like-minded partners and service providers. Urban-Air Port® encourages and rewards sustainability.
- » Scalability of offer – thousands of Urban-Air Ports, in hundreds of cities, globally.





Urban-Air Choice® – Café Bar

Urban-Air Port's non-aeronautical services

- » Modular and flexible café/bar design.
- » Flexible operating models: Own Operate, Concession or JV operated.
- » Future franchise business options.
- » Branded Café Retail opportunities.
- » Sustainable and low carbon focus.
- » Operationally equipped and ready with the option of a selected operating partner.
- » Fully integrated App-friendly smart vending solutions.
- » Click & Collect via Urban-Air Port® App.
- » Potential of beneficial global procurement agreements.
- » PPM, SOP's, Training and Quality Assurance Programs.

“Urban-Air Port has the potential to revolutionise cities across the world, making them more connected, cleaner and accelerating our green economic recovery. This project epitomises the purpose of the Future Flight Challenge fund – it is innovation at its finest – and will help to position the UK at the vanguard of electric urban air mobility.”

Gary Cutts
UK Research and Innovation Future Flight Challenge Director



Logistics Solutions

City Box® XS

Urban-Air Port's Model City Box® XS

The Urban-Air Port® patented technology has been miniaturised and replicated to create City Box® which is dedicated for cargo logistic drones. With multiple landing locations and integrated smart logistics processing which allows you to collect your package via the app or by e-bike delivery driver. Urban-Air Port® sees City Box® becoming the post-box of the future within the heart of your community.

“We have followed closely Urban-Air Port's progress since they launched the innovative Air One® programme to demonstrate urban air mobility, including autonomous logistics drones. M7's platform continues to carefully consider the evolution of the supply chain, the needs of the consumer and the environmental and social impacts of movement of goods. Our portfolio of retail and logistics parks has been carefully selected to benefit from the significant structural changes in e-commerce.”

David Ebbrell
CEO of M7 Real Estate Ltd



Model » City Box® XS

Size » 16m x 16m (scalable)

FATO » 8 No. (Varies)

eVTOL » Agnostic

Finish » Tailored to suit

Operations » Optional

Air Infrastructure » Optional

Digital app » Optional

Cost » On enquiry



City Box® XXS

Urban-Air Port's Model City Box® XXS

- » Modular, for most use from single unit
- » Portable to reduce footprint and environmental impact
- » Employing "Design for Manufacturing & Assembly"
- » Mass Production and pre-fab
- » Less time on-site
- » Reduces Traffic
- » Generates less waste
- » Generates less greenhouse gas
- » Cuts the cost of installing building services
- » Less labour intensive
- » Greater manufacturing precision in controlled environments
- » Durable strength
- » Highly malleable allowing for bespoke structural extrusions that maximises efficiency and minimises waste
- » Corrosion resistance & long life
- » Non-flammable
- » Renewable & off-grid
- » Lightweight reducing associated installation and transport CO₂ output

Model » City Box® XS	No. lockers » Varies
Size » 8m x 8m (scalable)	Operations » Optional
FATO » 4 No. (Varies)	Air Infrastructure » Optional
eVTOL » Agnostic	Digital app » Optional
Finish » Tailored to suit	Cost » On enquiry



Modular



Cost Efficiency



Rapidly Deployable



Clean Air By Design



DFMA*



Mass Production

*Design for Manufacture and Assembly

Docks Box®

Urban-Air Port's Model Docks Box®

Docks Box® is the fulfilment centre product with non to minimal operational disruption to existing fulfilment centres. UAP's Docks Box® can plug in to existing HGV loading bays immediately providing advanced air mobility capability. From the Docks Box® cargo drones can fly directly to the City Box® from fulfilment centres to your street.

“With this increased growth we see a need for fast and sustainable transport for both companies, public enterprises and private individuals. By coordinating all modes of transport and early integrating the airborne goods transport of the future in community planning, we hope to be able to create a safe, robust, cost-efficient, sustainable, accessible and future-oriented logistics system throughout the municipality”.

Lars Hedqvist
Skellefteå Municipality



Model » Docks Box®

Size » 2.5m x 2.5 x L (Plugin)

FATO » 2 No.

eVTOL » Agnostic

Finish » Tailored to suit

Operations » Optional

Air Infrastructure » Optional

Digital app » Optional

Cost » On enquiry

DEMS & Defence

Resilience One™ – DEMS

Urban-Air Ports Model Resilience One™ –DEMS

Urban-Air Port's Disaster, Emergency Management & Security (DEMS) rapidly deployable and survivable infrastructure.

Resilience One™ comes ready with an in-house Air Traffic Control suite, and 200 square metre Command and Control Centre (compatible with JESIP, NIMS, and C4ISR missions). Our solutions are customisable and can support disaster relief operations, airside-mobile-clinics, air evacuation hubs, defence and logistics lines, oil spills response, forest fires, medivacs, and peacekeeping missions. RESILIENCE ONE™ can be used to secure remote assets and people. We are the world's leading mobile UAS airport infrastructure provider.

RESILIENCE ONE
Nobody Gets Left Behind

Model » Resilience One™ DEMS

Size » Varies

FATO » Varies

eVTOL » Agnostic

Finish » Faraday Shield (Tailored)

Operations » N/A

Air Infrastructure » N/A

Digital app » N/A

Cost » On enquiry

Resilience One™ – Defence

Urban-Air Ports Model Resilience One™ –DEMS

Urban-Air Port's Defence model serves as a discreet Forward Operating Base (FOB) for remote security reconnaissance and defence missions.

Deploying state-of-the-art ultra light-weight material technologies such as Kevlar enables deployment in a matter of hours providing safe and secure operations with integrated Urban-Air Port patented eVTOL take-off and landing technology.

RESILIENCE ONE
Nobody Gets Left Behind

Model » Resilience One™ Defence	Operations » N/A
Size » Varies	Air Infrastructure » N/A
FATO » Varies	Digital app » N/A
eVTOL » Agnostic	Cost » On enquiry
Finish » Kevlar (Tailored)	





Sales team

For more information on any of our products
please contact the Urban-Air Port Sales Team:



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stuart.bloomfield@urbanairport.com



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