



December 5th, London

CONFERENCE & NETWORKING

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Foresight Aerospace is one-day conference and networking event covering the latest developments, strategies and opportunities within  
**Urban Air Mobility** and **Electric Aviation**



# OVERVIEW

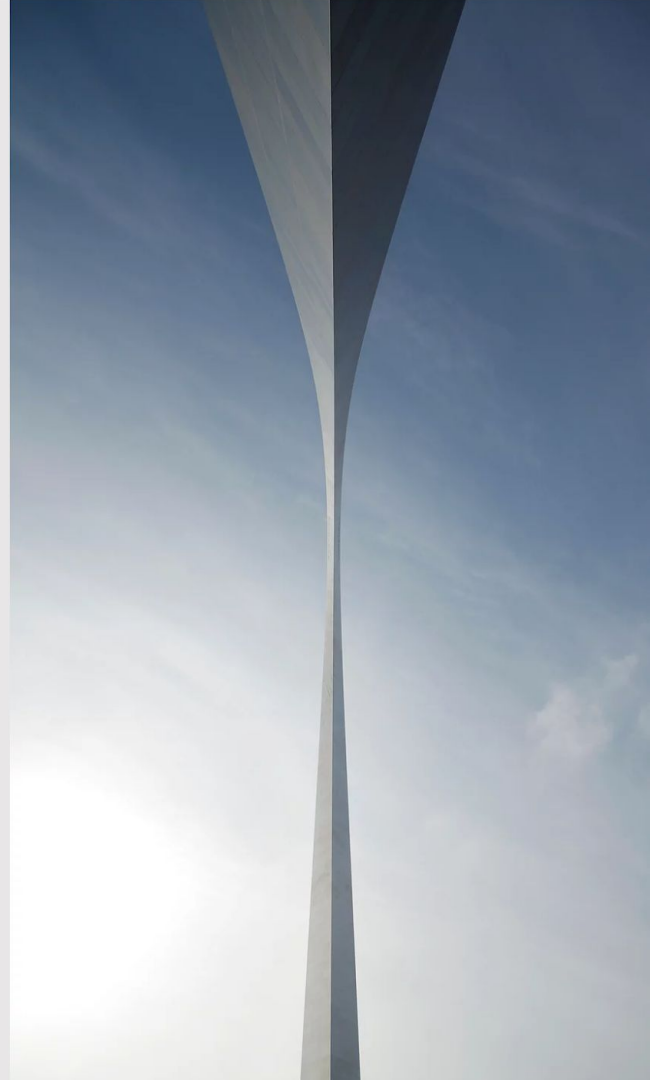
## **The Challenge:**

The advent of Urban Air Mobility and Electric Aviation has been accelerated through key challenges and technological advancements. The key challenges represent the need to match growing demand for aviation whilst reducing carbon emissions. Traditional aviation also causes air and noise pollution impacting communities thus preventing airport expansion, potentially reducing economic growth and transport opportunities for regions. Within our cities, urbanisation and population growth has led to further congestion, pollution, travel times and demand for competitive transport modes. Overcoming these challenges has the potential to revolutionise transport once again within our cities, amongst our cities and across the continents and globe creating a new frontier within aerospace and aviation.

## The Frontier:

Innovation has already become the solution. Advancements within electric propulsion, battery technology, manufacturing, satellites, communications, sensors, autonomy and artificial intelligence alongside the established aerospace and aviation markets have created a ripe environment for eVTOL, electric and hybrid planes making flying safer, quieter, cleaner and more available.

Key indicators have been signalled. Industry leaders have committed to sustainability, investors have accelerated the growth of new-wave electric aircraft manufacturers, policymakers have aligned industrial policy and regulators are engaging with innovators. Sustainable aviation has the potential to expand the boundaries of our society but also our economy through creating new jobs, supply chains and business opportunities.







### The Hurdles:

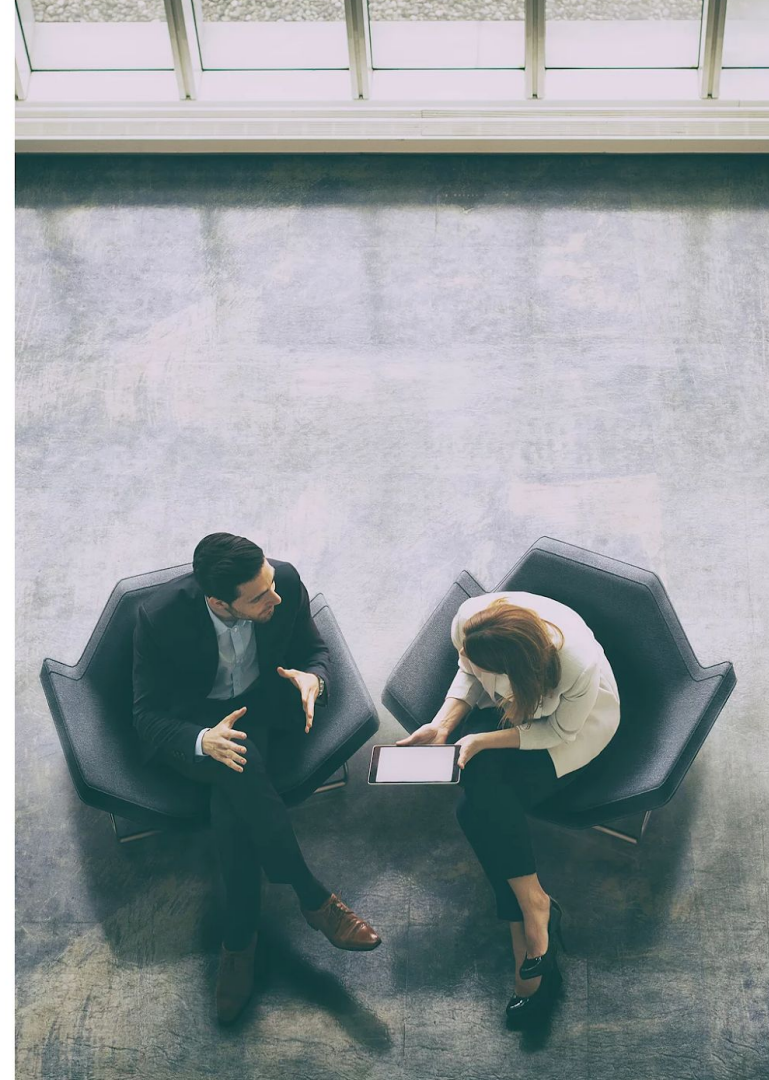
The road to electrifying our skies and improving our transport systems requires overcoming important challenges. Battery technology needs further advancement, policies and regulations need modernising, strategies need implementing, air traffic management needs adapting, infrastructure needs building, business models need envisioning, the public need reassuring and aircraft need redesigning amongst others factors.

### The Platform:

Foresight Aerospace aims to highlight the challenges, explore the frontiers and solve challenges through a series of panel discussions and networking opportunities designed to promote thought leadership and collaboration in order to advance and devise the future of Urban Air Mobility and Electric Aviation.

## Reasons for Attending:

- Understand current policy and highlighting future government strategy
- Facilitate the development of new regulatory framework
- Highlight potential business models and the vision for the future
- Overcome the key barriers and challenges
- Promote the latest trends within key areas of innovation
- Share a platform to expand and promote the sustainable aviation and UAM ecosystem







### Key Focus:

Foresight Aerospace will be exploring the industry outlook, government policy, strategy and regulatory framework within Urban Air Mobility and Electric Aviation. The forum will then hone in on Urban Air Mobility and the vision, public acceptance, infrastructure, eVTOL and digital applications. The final part of the day will highlight the developments within battery technology, aircraft design and architecture and regional frontiers.

### Ecosystem:

Foresight Aerospace welcomes professionals from a plethora of backgrounds to develop the necessary ecosystem and supply chain to make passenger Urban Air Mobility a possibility.

Policy, Regulation, Transportation, Aviation, Infrastructure, Renewables, Drones, Smart Cities, Engineering, Design, Sensors, Autonomous, Artificial Intelligence, Investment, Start-ups, Real Estate, Safety Systems, Sustainability, Unmanned Systems, Cyber Security, Blockchain, Maintenance, Air Traffic Management, Batteries, Utilities, Weather, Airports, Lawyers, Insurance, Satellites and more.

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# Speakers



**DAVID DEBNEY**

Head of Technology - Whole Aircraft  
Aerospace Technology Institute

**MARTIN WARNER**

Founder  
Autonomous Flight

**DAVID ROTTBLATT**

Urban Air Traffic Management Leader  
EmbraerX

**REMI PETITFRERE**

Head of Europe and VP of Group  
E-Hang

**ANDREAS KLOECKNER**

Coordinator Electric Flight  
DLR

**SAMEER SAVANI**

Head of Innovation and Engineering  
ADS Group

**JULIEN RENZ**

Project Manager  
ZeroAvia

**ILYA KHANYKOV**

Co-Founder  
Bartini.Aero

**DANIEL HAYES**

CEO and Co-Founder  
VRCO

**NEIL CLOUGHLEY**

Founder and Managing Director  
Faradair

**SEYED MOHSENI**

CEO  
Samad Aerospace

**ARNAUD DIDEY**

Founder & CEO  
Neoptera

**ANDERS FORSLUND**

Founder & CEO  
Heart Aerospace

**MARK BLACKWELL**

Strategic Partner  
SKYDRIVE, INC

**BENOIT SENELLART**

MAEAM Project  
Lisa Airplanes

**BEN KITCHER**

Head of Electrification and Propulsion  
Strategy  
University of Sheffield AMRC

**RICHARD GLASSOCK**

Research Fellow, Hybrid Propulsion Systems  
for Aircraft  
University of Nottingham

**DR LUIS BARBERO**

President and Chief Executive Officer  
GATCO



**NIKHIL SACHDEVA**

Project Manager  
Roland Berger



**DARRELL SWANSON**

Director  
Swanson Aviation Consultancy



**SAURAV DUTTA**

Principal  
Connected Capital





# Agenda

**Part One - Electric Aviation and Urban Air Mobility: Outlook, Strategy and Regulation**

WELCOME ADDRESS

**Distributed Aviation Theory**

Darrell Swanson  
Director  
Swanson Aviation Consultancy

PRESENTATION:

**Implementing Progressive Regulatory Framework to Embrace Innovation**

Frederic Laugere  
Innovation Services Lead  
Civil Aviation Authority

PANEL DISCUSSION:

**Developing Policy and Strategy for Electric Aviation and Urban Air Mobility to Flourish**

David Debney  
Head of Technology - Whole Aircraft  
Aerospace Technology Institute

**Sameer Savani**

Head of Engineering and Innovation  
ADS Group

**Daniel Mee**

Senior Manager, Energy Systems Architecture  
Energy Systems Catapult

PANEL DISCUSSION:

**Promoting Sustainability within Aviation and Improving Transport Systems**

Andreas Kloeckner  
Coordinator Electric Flight  
DLR

Nikhil Sachdeva  
Project Manager  
Roland Berger

Andreas Hardeman  
Managing Director  
Hardeman Consulting

Coffee Break

10:40

11:10

**Part Two - Envisioning, Advancing and Creating Urban Air Mobility**

12:20

**PANEL DISCUSSION:****The Vision for Urban Air Mobility**

Martin Werner  
Founder  
**Autonomous Flight**

Daniel Hayes  
CEO and Co-Founder  
**VRCO**

Seyed Mohseni  
CEO  
**Samad Aerospace**

Rémi Petitfrère  
Head of Europe and VP of Group  
**E-Hang**

**PANEL DISCUSSION:****The Latest Developments, Strategies and Opportunities from eVTOL Projects**

Mark Blackwell  
Project Partner  
**SkyDrive Inc.**

Ilya Khanykov  
Co-Founder  
**Bartini.Aero**

Arnaud Didey  
Founder and CEO  
**Neoptera**

13:00

PRESENTATION

**Bringing Aviation Closer to Home: Our Shared Story of Urban Air Mobility**

David Rottblatt  
Urban Air Traffic Management Leader  
**EmbraerX**

PANEL DISCUSSION:

**Establishing Frontier Traffic Management Systems and Overcoming Infrastructure Challenges**

David Rottblatt  
Urban Air Traffic Management Leader  
**EmbraerX**

Dr. Luis Barbero  
President and Chief Executive Officer  
**GATCO**

Darrell Swanson  
Director  
**Swanson Aviation Consultancy**

Lunch

13:20

14:50

15:10

15:30

13:50

**Part Three - Electric Aviation - Conventional Aircraft**

PRESENTATION:

**Hydrogen Power within Aviation**

Julien Renz  
Project Manager  
**ZeroAvia**

PRESENTATION:

**E-Fan X: exploring the challenges of hybrid electric propulsion**

Ignacio Echavarría Díaz-Guardamino  
E-Fan X Hybrid Electric Propulsion System Lead Engineer  
**Airbus**

PRESENTATION:

**Pioneering the Redesign of Aircraft and Propulsion System Architectures**

Neil Cloughley  
Founder and MD  
**Faradair Air**



PRESENTATION:

**Unlocking Regional Travel Routes with Disruptive Hybrid-Electric Versatile Aircraft**

Benoit Senellart  
MAEAM Project  
LISA Airplanes

Break

PRESENTATION:

**The Nordic Perspective on Electric Aviation**

Anders Forslund  
Founder and CEO  
Heart Aerospace

PRESENTATION:

**Development of First Electric Race Plane**

Richard Glassock  
Research Fellow, Hybrid Propulsion systems For Aircraft.  
University of Nottingham

17:20

PRESENTATION:

**Promoting Investment within Infrastructure and Advanced Manufacturing facilities**

Ben Kitcher  
Head of Strategy for Electrification  
University of Sheffield AMRC

17:40

End of Conference

## Venue:

Farmers & Fletchers  
in the City

3 Cloth St  
Barbican, London  
EC1A 7LD





Department  
for Transport

AUTONOMOUS  
FLIGHT

**EMBRAER** X



Roland  
Berger



HEART



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CONFERENCE - NETWORKING

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