

Electric Air Taxi

What's the context?

Urbanisation has made our cities both wider and taller, cramming more people into smaller spaces. With more people driving every day, road networks have become congested to the point of failure. In fact, pre-pandemic, **traffic congestion rose in 57% of cities globally**. For the safe transport of people, we need to think vertically as well as horizontally. That means looking to the skies.

What did we do?

Silver Atena has helped a European pioneer of urban air mobility to develop a prototype autonomous electric air taxi prototype for use in towns and cities. Our experience working across automotive, aerospace and defence has been fundamental in **overcoming barriers to urban flight, including vertical take-off and landing**, while our deep knowledge of highly-regulated industries is key as the urban air taxi market navigates new and unique safety regulation.

What's the impact?

Silver Atena reduces both noise pollution and the environmental impact of urban mobility while breaking boundaries socially and economically. Safe urban flight almost exponentially increases the transport network in towns and cities making it easier for people to travel further, faster than before opening new opportunities for work and the economy. **Its electric propulsion engines are emissions-free and run more quietly than ambient noise in cities (c. 65-70dB), drastically reducing air and noise pollution.**

What's next?

The potential benefits to air quality and urban mobility have seen the industry attracting more and more interest with **many innovative players securing funding over and beyond USD 200m**. Recognising these benefits, the European Union Aviation Safety Association has also outlined a pathway to compliance for manufacturers marking a key milestone for fleets of air taxis to be deployed in major cities.

