

## RISE ABOVE THE NOISE

Leverage state-of-the-art simulation tools to eliminate uncertainty in development and certification for Urban Air Mobility vehicles

*Why stuck in traffic when you can fly?*

**19 work days/year**

wasted in traffic (1)

*Freedom of flight*

**200+ eVTOL**

aircraft designs (2)

*Urban air mobility challenges*

**67dB(A)**

ground noise level from a VTOL at 250 ft. up (3)

**60 miles**

of travel with single battery charge (4)

**2–5**

passenger designs, piloted/unpiloted

Since companies are developing concepts with compressed timelines, simulation will play a critical role in bringing these vehicles to market faster.



OPTIMIZE conceptual design for noise, propulsion, efficiency, and power consumption

PREDICT vehicle noise levels for entire flight and know how it's perceived

VALIDATE safety and structural integrity under all loading conditions, including bird or lightning strike

DEVELOP fully optimized battery technology

ENABLE collaboration between all stakeholders involved in vertiports planning

Dassault Systèmes' comprehensive simulation tools can address enormous challenges in Urban Air Mobility development, such as noise concerns, battery limitations, safety, and air traffic management.

[Learn more >](#)