

CAE launches new Mixed Reality Flight Simulator for eVTOL market

- The immersive, high fidelity flight simulator targets electric Vertical Take-off and Landing (eVTOL) aircraft pilot training
- This new product will provide cost-effective, realistic, and scalable flight training for the next generation of aviators

Farnborough, United Kingdom, July 18, 2022 – CAE announced today at the Farnborough International Air Show 2022, the launch of its newest advancement in pilot training, the CAE 700MXR Flight Simulator. Initially targeted to the eVTOL market, the CAE 700MXR will revolutionize flight training for complex urban settings with a compact mini-motion platform and 360° field of view visuals that deliver high-fidelity, physics-based simulation tailored to single-pilot operations.

CAE's next-generation Immersive synthetic out-the-window environment combined with a mixed reality head mounted display and real cockpit controls and instrumentation, will enable pilots to take advantage of enhanced 3D perception and AI-based digital capabilities to fully engage in realistic, low-level flying scenarios.

"The CAE 700MXR's ultra-realistic simulation bridges the gap between the physical and virtual worlds to deliver an unrivalled training experience for future eVTOL pilots," said Nick Leontidis, CAE's Civil Group President. "CAE is leading the way, developing advanced technologies and setting the training standard for the eVTOL market, and our innovative approach will ensure faster, more efficient training for pilots."

As previously announced, Volocopter and CAE are working together on developing, certifying and deploying a pilot training program for operating Volocopter's electric air taxi leveraging mixed reality, in support of the launch of Volocopter's anticipated urban air mobility (UAM) services for the 2024 Olympic and Paralympic Games in Paris, France.

"Pilots will play a pivotal role in launching electric air taxi services," says Christian Bauer, Volocopter's Chief Commercial Officer. "We must ensure that the simulators for this new aircraft conform with the highest-quality pilot training in aviation."

"We look forward to working with the Volocopter team to ensure their pilots receive industry-leading training in the classroom and on the CAE700MXR simulator," added Mr. Leontidis. "Volocopter is a valued partner, and CAE will be there every step of the way to support their entry into service."

During the Farnborough International Air Show 2022, CAE will deliver an augmented reality demonstration of the CAE 700MXR that will allow attendees to visualize the 3D perspective of the new flight simulator and explore the innovative features and functionalities of this novel training device.

About CAE

At CAE, we equip people in critical roles with the expertise and solutions to create a safer world. As a technology company, we digitalize the physical world, deploying simulation training and critical operations support solutions. Above all else, we empower pilots, airlines, defence and security forces, and healthcare practitioners to perform at their best every day and when the stakes are the highest. Around the globe, we're everywhere customers need us to be with more than 13,000 employees in more than 200 sites and training locations in over 40 countries. CAE represents 75 years of industry firsts—the highest-fidelity flight and mission simulators, surgical manikins, and personalized training programs powered by artificial intelligence. We're investing our time and resources into building the next generation of cutting-edge, digitally immersive training and critical operations solutions while keeping positive environmental, social and governance (ESG) impact at the core of our mission. Today and tomorrow, we'll make sure our customers are ready for the moments that matter.

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Note to editors: High-resolution photos are available at <https://www.cae.com/multimedia-centre/>

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