

News: Brunner Aerospace Announces Location of NovaSim Units in the U.S.

We are happy to announce that since this year we have 2 official partners in the USA, at whose locations the NOVASIM MR is available for a test flight.

Located on the East Coast at Aechelon Technology in Orlando, where Aechelon integrated the BRUNNER NOVASIM with the Aechelon Nucleus IG platform combined with the F35 flight model.

The second NOVASIM on the west coast is located at Advanced Rotorcraft Technology Inc. (ART). Well known for the Flightlab CAD design program is ART specifically geared towards the aerospace industry and their flight physics models.

ART uses the NOVASIM MR, among other things, to enable interested parties to experience various FlightLab flight models.



ABOUT AECHELON

Aechelon leverages a combination of powerful, Commercial Off The Shelf; geo-specific, 3D worldwide imagery to deliver immersive visualization solutions like no other.

Aechelons NOVASIM MR is setup with the Nucleus IG F35 model. The simulator mainly used for training purpose and to present their customers the possibilities of the Aechelon visualisation. The compact size and ease of integration using a simple interface are the main features why Aechelon has chosen the NOVASIM MR.

Nucleus IG offers users a very detailed and high resolution image. It combines this with various sensors in the infrared range in order to achieve the most realistic possible image and a wide range of adjustment options (weather conditions, day/night, twilight, etc.).



Aechelon Technology

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ABOUT ART

Advanced Rotorcraft Technology Inc. (ART) is an aerospace engineering and consulting firm and a leader in aircraft modeling and simulation. ART specializes in modeling, simulation, and analysis of vertical takeoff and landing aircraft (VTOL).

Founded in 1982 and located in the San Francisco Bay Area, ART has a dedicated staff of approximately 20 engineers specializing in all aspects of VTOL design, modeling, simulation, and analysis. ART has three business focus areas: research and development, aircraft model and software development, and engineering support. ART's commercial software FLIGHTLAB has been used to develop aircraft specific flight and engine dynamics models in support of hardware-in-the-loop and flight training devices for 25+ years.



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Recently, ART and Brunner Elektronik AG have collaborated on the integration of FLIGHTLAB high-fidelity flight dynamics models with the NOVASIM MR full motion simulator. ART has the strong belief that this combination provides an affordable, versatile, and highly effective simulator in support of aircraft design, research and development, as well as in pilot training.

Especially suitable for electric vertical takeoff and landing (eVTOL) aircraft, the FLIGHTLAB/NOVASIM solution provides a powerful tool to support OEMs. It includes early conceptual design, aircraft modifications and continuous enhancements, flight test planning, aircraft operational training and pilot training. Furthermore, the immersive virtual reality (VR) environment provides a field of view suitable for specialty flight training such as urban air mobility, firefighting, logging and shipdeck operations, HEMS, and more.

The option of mixed reality (MR) provides the necessary pilot-cockpit interactions needed for engine start-up and shut down, navigation, air traffic control, and emergency procedures, among others.