

The future takes flight with gyronautics

Moving forward with the commercialization of its cutting-edge gyroplane aircraft, Skyworks Aeronautics Corp. announced a \$100 million investment commitment from GEM Global Yield LLC. The company plans to fast forward its development of the state-of-the-art electric gyroplane, eGyro™ air taxi geared towards urban air mobility, and the 400 mph Vertijet™ vertical take-off and landing (VTOL) aircraft that competes directly with helicopters, but at a much higher speed, longer range and lower operating cost. Executive Director, Brig. General (Ret) John E. Michel says: “This investment is key to scale up across several platforms.”

Gyronautics is a technology that was born nearly a century ago. It has been modernized by Skyworks Aeronautics, and is now becoming the world’s most innovative and disruptive form of aerial VTOL transportation. A VTOL aircraft is one that can hover, take off, and land vertically. “A very affordable, sustainable and reliable alternative to particular platforms like helicopters. It holds a big promise, especially in developing nations,” Mr. Michel comments.

Skyworks Aeronautics is the world leader in gyronautics. The study and design of sustained autorotative flight is represented in its gyroplane technology. The company has more than 40 patents with several more underway, all obtained in an effort to radically change not only the way gyroplanes are perceived, but also the way they are utilized. From mass personnel transportation, agriculture, defense, and border protection to literally changing the economies of developing

nations. According to Mr. Michel, the true value proposition is the proven technology. “We can deliver, at a time when the world needs more options, in a way that no one else has been able to commercialize.”

Skyworks Aeronautics will use the GEM funds to move forward with the commercialization of its cutting-edge gyroplane aircrafts. “It’s extraordinarily broad what these aircraft can do. The gyroplane is an airplane that doesn’t need a runway. It is literally a game changer in a world where the demand has never been higher,” Mr. Michel states. “With our highly experienced leadership and technical team and strong intellectual property portfolio, this commitment by GEM, positions Skyworks Aeronautics to become the first company in the world to commercialize gyrocraft at scale. Be it providing affordable vertical lift alternatives to developing nations, progressive electric aircraft capabilities

for air carriers, or game-changing vertical take-off and landing platforms, Skyworks Aeronautics is now poised to be a transformative force in the rapidly evolving air mobility industry.”

Looking to the future, Skyworks Aeronautics aims to have developed and proven the Vertijet prototype within the next few years. Mr. Michel elaborates: “That means, it’s flown and we’ve moved into production of the aircraft, both on the civilian and military side. The eGyro will have completed its maiden voyage and will be moving towards mass production for use in all the markets that are looking for low carbon footprint, electrification of multiple aircraft. We should have three aircraft in the marketplace validated, addressing three very different segments with one technology.”



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Vertijet

