Finally, a G1000 Simulator that **Surpasses** Your Expectations

The Flight1 Aviation Technologies Enterprise G1000 Simulator is a turn-key professional training system designed for flight schools and universities. It features the industry’s most accurate G1000 simulation, aircraft-specific hardware, a precise flight model, and a highly realistic visual simulation.
Pilots who train with the Flight1 Tech Enterprise G1000 Simulator can operate single-pilot IFR in high-workload and high-density environments with more confidence.

Piper PA-28, Cirrus SR20/SR22/SR22T, Cessna 208 Caravan, and Cessna Mustang 510 variants are available now. Cessna 172, 182, 206 and other aircraft are in development.
A Design Inspired by ... You

Instead of starting with our big ideas, we started with yours. We asked pilots, instructors, and aviation educators to tell us what their flight schools and university flight programs require in order for a G1000 simulator to be an effective training tool. Here’s what we learned:

■ **Motion adds little training value.** A simulator that moves is impressive, but adds complexity, maintenance frustrations, and distraction—especially when the motion is executed unrealistically.

■ **Pilots want real buttons, switches, and knobs.** Touchscreen interfaces for the G1000’s physical controls may look cutting edge, but pilots find them awkward to use.

■ **Aircraft-specific hardware is important.** Pilots don’t want generic cockpits—they want yokes/sidesticks, throttle/prop/mixture controls, and switches that look and feel just like what’s in the airplane.

■ **Advanced avionics features must be simulated—accurately.** Incomplete G1000 simulations that don’t include features like WAAS approaches and VNAV don’t cut it in a training environment.

■ **Durability, reliability, and support matter.** In a high-volume training environment, a single inoperative sim can cause a bottleneck that takes days, or even weeks, to recover from.

A Growing Company with Deep Roots

We’ve been in the simulation business for more than 20 years, and we’re not going anywhere but up. We were pioneers in the development of PC-based flight simulation software, and we launched Flight1 Tech in 2004 to develop unique tools for the simulation and training industry. Today, while many of our competitors have huge catalogs of products for many different types of customers, our focus is narrower: we build the best G1000 simulator for flight schools and universities.
Software That Needs No Apologies
Each Enterprise G1000 Simulator features an aircraft-specific simulation of Garmin’s G1000. We use a proprietary software platform that replicates the G1000’s features and functionality with exacting detail. If it’s in the real G1000, it’s in the sim. Instead of being distracted by differences, students can train just like they fly, using features like synthetic terrain, charts, taxi charts, ADS-B, TAWS, VNAV, and WAAS.

Hardware that Looks, Feels, and Functions Like the Real Thing
The first thing you notice about any sim is the hardware. The hardware components of our Enterprise G1000 simulators are aircraft-specific, work just like their real-world counterparts, and are engineered for heavy use by multiple users. Fully functional buttons and knobs build muscle memory and minimize negative transfer of skill. There’s no new interface to learn in the sim (and no new interface to forget in the airplane).

Aircraft Performance Based on Real-world Specs
The best avionics and hardware can’t make up for unrealistic flight dynamics. Put simply: a simulator should fly just like the airplane it’s simulating. We meticulously develop the flight model for each of our simulated aircraft based on the real aircraft’s performance specifications. It’s an art as well as a science, and our customers appreciate the effort we make to get it right.

A Visual Simulation for VFR, IFR, and Everything In Between
Our visual simulation provides much more than “eye-candy.” It simulates the entire environment a pilot operates in: the airports, the terrain, and the sky. From short flights around a pattern to long-distance navigation between any two airports in the world, it supports every VFR or IFR training scenario you could dream up. The view out the window includes the entire planet—more than 24,900 airports, a modifiable real-time weather system, continuous time of day, seasons, and a variety of lighting effects.

An Instructor Station Overflowing with Features
Our Instructor/Operator Station (IOS) gives instructors professional-quality tools for monitoring, instruction, and analysis during a training session. Our proprietary software lets you control the simulation’s environment, change the weather, reposition the student’s aircraft, and trigger malfunctions. Features include a touchscreen optimized interface, a moving map display, and a sophisticated flight data recorder that records all aspects of a flight for playback, graphing, and debriefing.
Support for the Long Haul

Companies often start off on the right foot, but then grow and stop paying attention to their existing customers. We know that when you have students waiting in line to use a sim that doesn’t work, and you can’t get help quickly, it hurts the students, the instructors, and your bottom line. We take great pride in providing customized support that no other company can match.

Our warranty and support plans will keep your software up-to-date and minimize downtime in the event of hardware component malfunctions. We offer easy-to-install software/database/chart updates, remote support options, and optional G1000 Transition Training.

What A Customer Says

In April of 2018 Aims Community College in Greeley, Colorado acquired ten Enterprise G1000 Simulators for their aviation program:

Aims Community College’s Aviation program is growing and modernizing its aircraft and simulator fleet, and Flight1 Aviation Technologies has been an integral part of that process.

Our instrument students save time and money by using the simulators to learn the G1000 and IFR procedures. They also experience flying approaches at unfamiliar airports—something they typically don’t get to do in the airplane.

The prompt, friendly, and efficient customer support by the Flight1 Aviation Technologies team (sometimes by remote access) is unsurpassed. It’s a big reason why we rely on Flight1 Tech for our simulator needs.”

Eric Himler
Director of Aviation, Aims Community College

To learn more:

Visit Flight1Tech.com  Call 1-877-727-4568
Stop Waiting.
Contact us to learn more.

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Flight1 Aviation Technologies products are not offered in affiliation with, nor endorsed by, Garmin.

Flight1 Aviation Technologies is solely responsible for the performance of our products. Our products, both software and hardware, are supported directly by us. We do not contract support from any third party.

There are many versions of the G1000 avionics suite. Flight 1 Aviation Technologies simulates the G1000 for the purposes of pilot flight training. Our software is customized to address different aircraft manufacturer implementations. However, we cannot guarantee our software exactly matches every possible feature of any given G1000 implementation.