SynFlyt makes world-leading flight simulator training accessible for all flight schools, large or small.

Until now, flight schools have faced challenges in providing adequate simulator training to students: lack of space, facilities and financial resources.

SynFlyt has removed these barriers by creating the world’s first outdoor, high tech but affordable Synthetic Flight Training Device (SFTD) with Three Degrees of Freedom (3DOF).

SynFlyt’s Innovation 21™ has numerous cutting-edge, customisable features and provides safe, convenient, immersive and effective pilot training that is fully integrated with the CASA syllabus.

Sydney-based SynFlyt was founded in 2011 with a mission to to make flight simulator training better and more accessible, through innovative design using the latest materials and technologies.

Innovative SynFlyt motion simulators are:

**Affordable**
For flight schools, we offer zero cost placement and an ongoing commission, with full technical support and maintenance included, so you can offer students the most realistic, cost-effective and convenient simulator training ever.

**Easy to fit, indoors or out**
As well as having the smallest footprint, SynFlyt’s Innovation 21™ is the only flight simulator that can be located outdoors, for secure 24/7 access via fingerprint recognition, with full Internet integration for training set up and monitoring.
While generating revenue for your flight school, SynFlyt offers students safe, convenient, immersive and effective training, with innovative, premium and customisable features:

**Satellite imagery over real-world terrain on a 210˚ screen**
Most flight simulators use computer generated imagery. SynFlyt’s Innovation 21™ is the first to exclusively use satellite imagery to produce high-resolution terrain, enhanced with correct elevations, creating superior realism on our seamless, wrap-around screen.

**Any cockpit configuration**
SynFlyt’s Innovation 21™ can be fitted with any general aviation cockpit, to meet your school’s particular training needs. Choose from single- and multi-engine light aircraft, single-engine jets and gliders. The cockpit configuration can be adapted for different models within an aircraft type and interchanged as required.

**Three degrees of motion freedom**
Pitch, roll and yaw: our motion simulator does it all, so you experience the real sensations and challenges of flight.

**All weather conditions**
In complete safety, train in visual or instrument meteorological conditions. Thunderstorms, wind, rain, sleet and ice are all possible with SynFlyt’s weather system.

**Control force feedback**
Feel the effects of changes in dynamic pressure on the control surfaces through the cockpit controls, just as in flight.

**Any runway in the world**
Thanks to the global coverage of our partner DigitalGlobe’s satellite imagery, SynFlyt can provide training on any runway in the world. We'll customise the available range of runways according to your school’s selections.

**Online access to recordings and reports**
SynFlyt’s online portal gives teachers and students secure and simple access to training data for performance feedback. Log in to set flight plans and weather conditions, playback flights in real or compressed time, and check multiple measures of success.

**Eco-friendly**
Replacing aircraft use with SynFlyt training significantly reduces your fuel consumption and greenhouse gas emissions. Our simulators are energy efficient, using minimal electricity.

**Military applications**
Please contact SynFlyt to discuss your needs.

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**Awards**

2016 Endeavour Award for Outstanding Start-up
The Manufacturers’ Monthly Endeavour Awards are the premier award program for the Australian manufacturing industry. The program promotes, recognises and rewards excellence within the industry.

2016 NSW Business Chamber Awards for Excellence in Innovation and Business of the Year (South East Sydney)
SynFlyt was also a State Finalist in the Excellence in Innovation category.

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CHANGING THE FUTURE OF FLIGHT TRAINING

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