



Low-cost. Realistic.

We design and manufacture low-cost, realistic physical flight simulators that help to accelerate and reduce the cost of learning to fly.



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Founded in 2017 in London, Simly design and manufacture a fast-growing range of realistic flight simulation hardware.

We combine clever engineering with a lean process to ensure that everything we create is highly realistic, but yet remains at a low cost. Our process is reliable and

repeatable, and comes from years of experience creating successful military-grade flight simulators.

At Simly, our mission is to make high quality flight simulation affordable and accessible to all, and our goal is to help more people to achieve their dream of becoming a pilot.



Miles better than the competition.

Our individual instruments are easy to operate and require no set up or calibration; they come pre-calibrated and ready to use, straight out of the box.

At present, we offer a relatively small range of instruments based on the two most common aircraft in the world. However, our instruments

are simple to modify, and therefore a few lines of code and a new gauge are all that is required to turn an airspeed indicator from a C172 into a brake pressure indicator from a Boeing 747.

It is this simplicity and modularity that helps us keep the cost low, whilst maintaining the level

of realism demanded by our customers, from large flight schools to private hobbyists.

We are currently designing our first range of analogue plug and play flight simulator instruments, and are anticipating a release in 2019.

Our individual instruments are designed to be easy to operate, and are completely plug and play.



The SimlyIT

Designed as an introduction to physical flight simulation, the Simly Instrument Trainer can be configured to represent the six basic instruments for either fixed wing or rotary wing aircraft.

Simply add a joystick and the flight sim of your choice, and you're good to go - we currently support X-Plane and are looking to support other packages in the future, including FSX, VBS, DCS and Prepar3D.

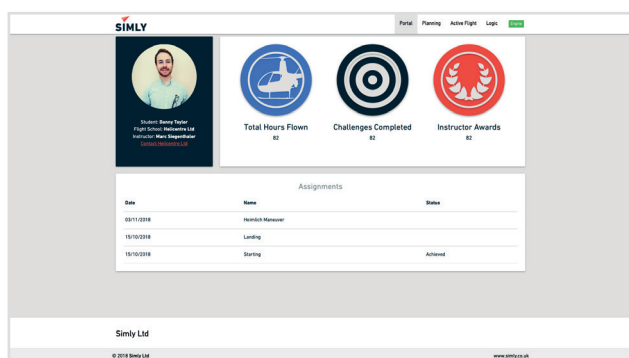
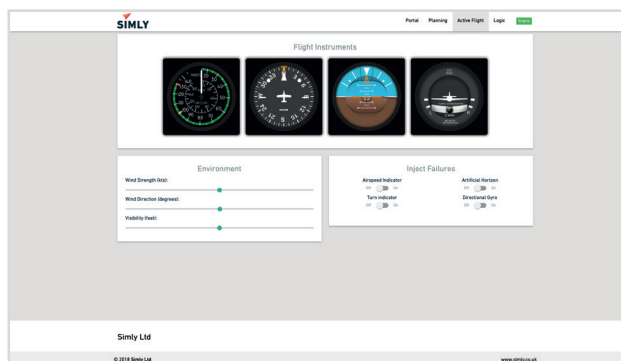
Shown here is the fixed-wing configuration, complete with the six basic instruments as well as a throttle knob, a mixture knob, a flaps lever, and a lighting controller.

Our companion app runs in any browser.

With our companion app, you can adjust the simulation environment on the fly, and make changes to instrument logic to support your own custom gauges.

Combine the app with a flight instructor and you get a fully-fledged instructor operating station. Flight schools are able to control simulators over the network and manage multiple students simultaneously.

Flight students can take advantage of having access to their flight instructor through the app, with the opportunity to share progress and set goals.



Flight schools can subscribe to manage their students through the companion app. Issuing challenges and setting assignments increases student retention and development. This in turn increases pilot confidence, allowing more students to pass through the syllabus without requiring extra tuition hours. More students through the door in less time means more money for flight schools that utilise our systems.

For students, our instrument trainers help to boost confidence when away from the school, leading to faster pass rates and, ultimately, lower fees.

Our logic is easy to understand, and easier to customise.

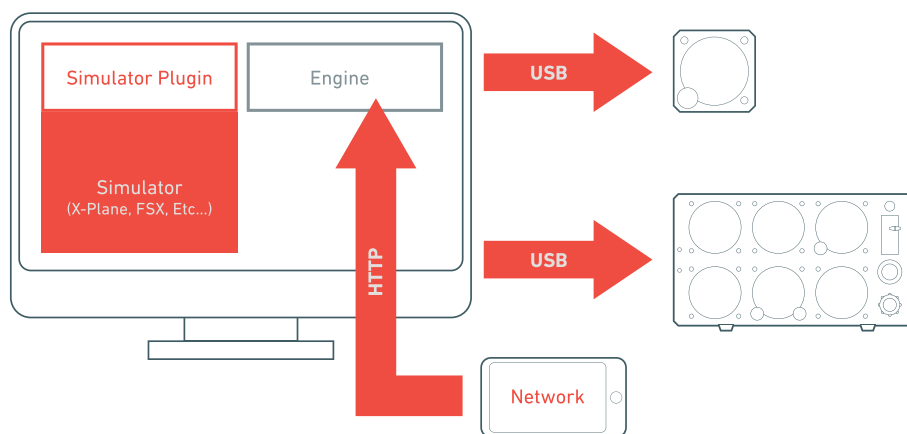
A complete logic editor is available within the companion app for those who wish to adjust instruments to their liking. We have integrated ChaiScript – a scripting language – with which the simulation can be customized on the fly, even for those with little programming experience:

```
// Heading
var calibration = 100;
var Heading = DatumLink(
  Datum("Xplane:sim/cockpit2/gauges/indicators/heading_vacuum_deg_mag_pilot"),
  Datum("HI:Needle"))

Heading.scaleFunc(fun[calibration](in) { (in * -12) + calibration }) // Degree to MotorSteps
activate(Heading)
```

Our architecture reflects our desire for simplicity. A thin plugin layer sits above the flight simulator software, which works with our engine to drive our instruments.

Single instruments are connected via a single USB cable, which provides both power and data, and larger units such as the SimlyIT also feature a single USB connection along with a power connector.



The team



Danny Taylor

Founder and Design Engineer

An industrial designer and aircraft enthusiast, Danny previously held positions designing and manufacturing flight simulators for military clients from scratch. This experience, along with his desire to gain a pilots license led him to found Simly with the goal of helping more people to achieve their flying dreams.

Danny has worked on numerous projects across a wide spectrum, from infrastructure to consumer electronics.



Marc Siegenthaler

CTO and DevOps Engineer

Marc is co-founder of Simly, having worked alongside Danny for many years helping to program the software and create the electronics that drove military flight simulators.

Having worked in a various roles, including Embedded Engineering, Web Development and DevOps, he brings with him a wealth of knowledge when it comes to a full stack design from the hardware right up to the delivery of web applications.

Next steps

We have already validated the need for cheap and realistic physical flight simulation devices, and we now need to take our designs from prototype to reality. In order to do this, we are seeking investment in the form of venture capital, and would invite interested parties to contact us using the details below should they wish to find out more.

Contact us

We would love to hear from you as we seek to grow our operation.

Please do call or email us if you would like to enquire about investment or career opportunities.



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