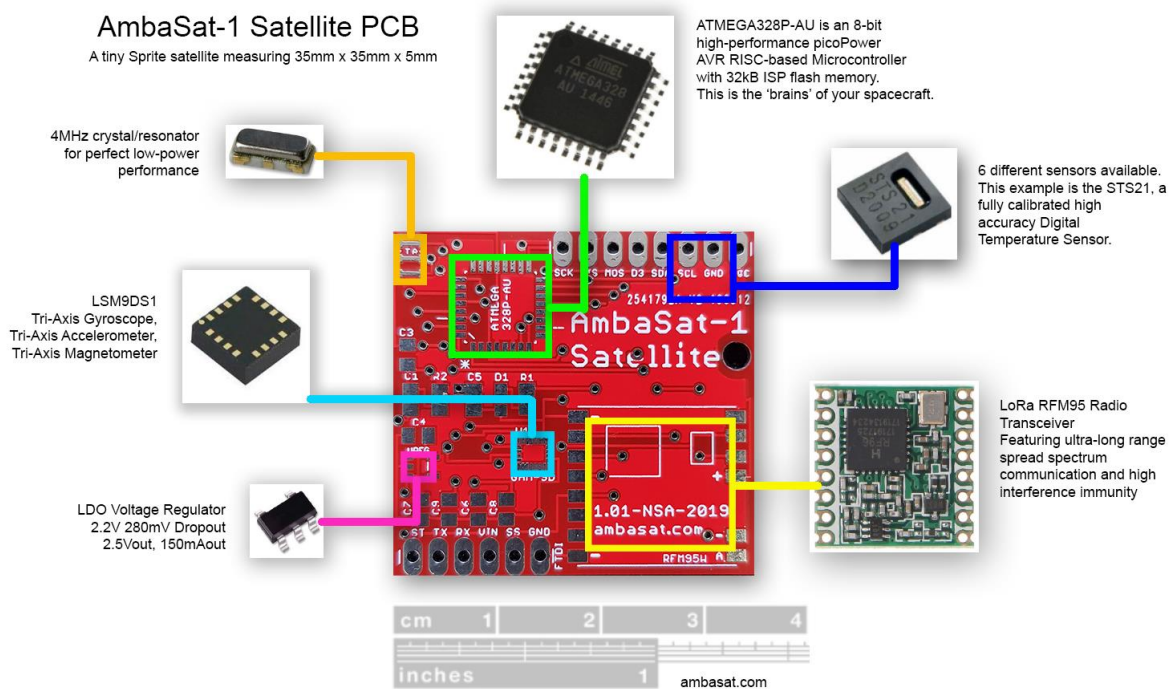


Press Release  
Tuesday 7<sup>th</sup> May 2019

## Technology start-up creates world's first space satellite kit

AmbaSat-1 is a tiny Space Satellite Kit which contains everything needed to build your very own spacecraft.

At a price of about \$280 for the all-inclusive satellite kit AND rocket launch, you'd be forgiven for thinking it can't be done, but the team behind the AmbaSat-1 satellite have bigger ideas.



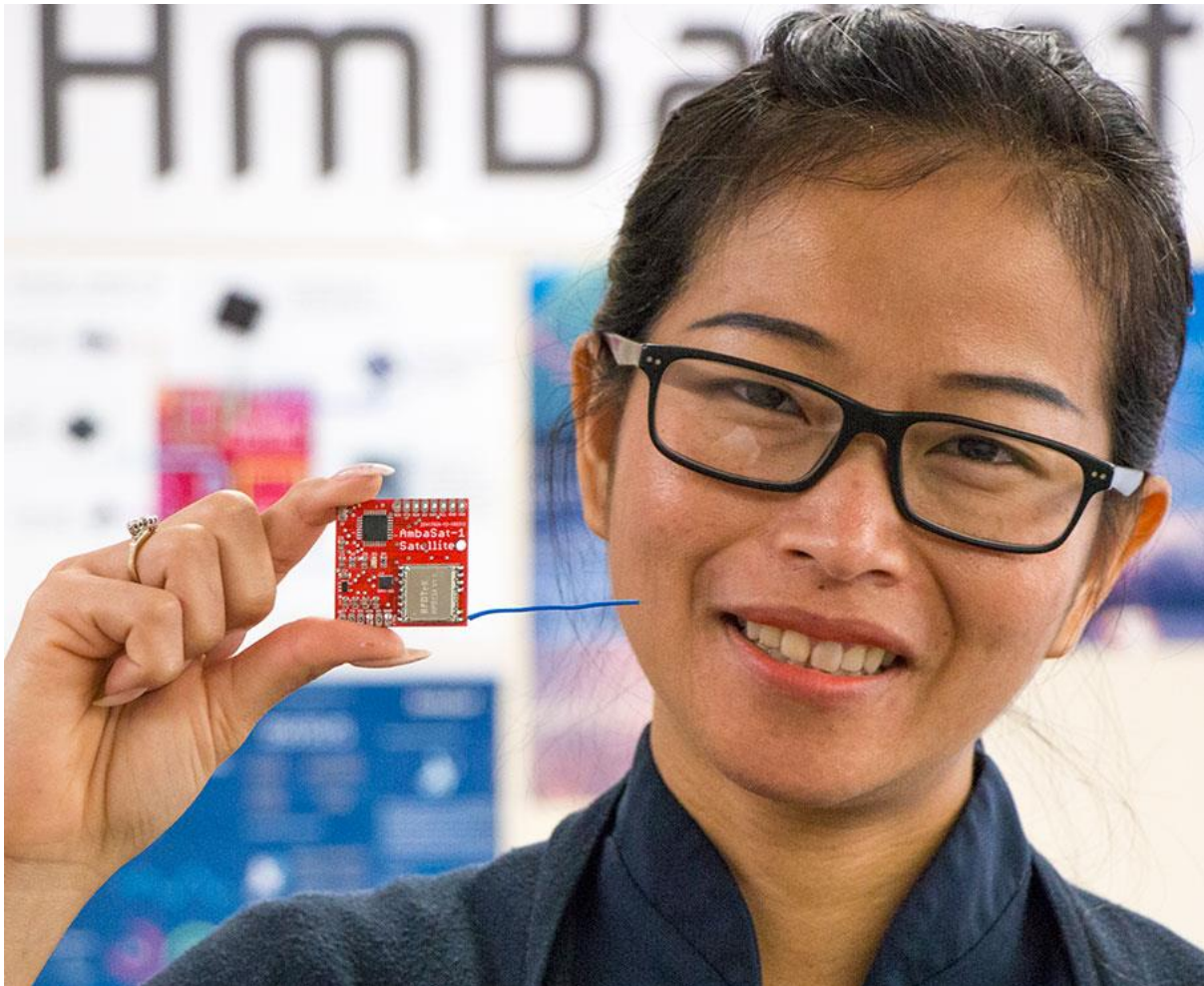
AmbaSat-1 is tiny Space satellite kit that you assemble and code yourself. Once your satellite kit is assembled and programmed, it will be launched onboard a commercial rocket which will deploy your satellite into Low Earth Orbit, where it will spend up to 3 months in Space.

### *The PCB and components of the AmbaSat-1 Satellite*

Following 12 months of research and development, the team of industry specialists behind the AmbaSat brand is launching its AmbaSat-1 space satellite kit with an ambitious KickStarter campaign. See the full KickStarter launch here:

<http://kickstarter...>

The AmbaSat-1 satellite is a tiny spacecraft measuring 35 mm square and just a few millimetres thick. The goal of the AmbaSat team is to deliver accessible space exploration to everyone by offering an affordable satellite development kit and launch programme. AmbaSat's rocket launch partner is Interorbital Systems with their innovative NEPTUNE launch vehicle which delivers low-cost access to space. By shrinking the size of the AmbaSat-1 spacecraft, up to 200 satellites can fit inside a single rocket launch container.



*Wannapa Siripong, Environment Chief at AmbaSat holds a prototype AmbaSat-1 Satellite*

AmbaSats are just a little bigger than the size of a couple of postage stamps but have solar cells, a radio transceiver, microcontroller, a gyroscope, accelerometer, magnetometer as well as a range of sensor options. Making use of The Things Network (TTN), AmbaSats are capable of transmitting data to over five thousand Earth-based radio receivers which are spread around the whole globe. No specialist radio receiving equipment is required and data received from the satellite appears over the internet directly to the AmbaSat Web Dashboard.

The AmbaSat-1 kit is fun to put together but also educational and practical. You'll need a soldering iron to assemble your spacecraft and in the process you'll learn all about REAL electronics, the hardware and software, communications, radios, coding and much more. There are six different environmental sensors to choose from including options to study the environmental impact of gases, radiation, global warming and more.

# AmbaSat

The people behind AmbaSat are a bunch of technology, software, hardware and environmental geeks who love technology and the environment. About two years ago AmbaSense was created by a team of three co-founders, Martin Platt, Marcel Houtveen and Daniel Hopwood who boast 30 years' experience in the environmental health and IT industries. Twelve months ago they created the AmbaSat brand to encapsulate their satellite work and apply their business and technology knowledge to this new space venture. The team expanded to include several new faces and skills, including Wannapa Siripong, Environmental Chief, and John Chipp, hardware design expert.

Martin Platt, co-founder and CEO at AmbaSat comments:

“For the past three years we've delivered thousands of Internet of Things (IoT) sensors to the food and social care industries through our AmbaSense Tiaki brand. During the journey we learned a lot about the business of delivering successful hardware and software and wanted to apply our knowledge and expertise to a very different field but one with a very similar set of fundamental technology requirements.”

“All our technology is designed and developed in-house, this includes the hardware, PCBs, Web Dashboards, server and firmware code, etc and all the business bits in between. We are passionate about the environment and through our sensor work have studied the impact human beings are having on our planet. We want to widen the study capabilities, both for Earth and beyond and empower users to solve complex problems with their own environmental challenges and solutions. Educational establishments, students, individuals and MAKERS now have this new tool at their fingertips. The AmbaSat satellite build is also a lot of fun!”

“Just imagine if you could build your very own spacecraft and have it launched into Low Earth Orbit, for little more than the cost of a PlayStation”

For more information visit: <https://ambasat.com>

Kickstarter: <https://www.kickstarter.com/projects/ambasat/ambasat-1-an-educational-space-satellite-kit>

**-Ends-**

Notes to the editor

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## **About AmbaSat**

Managed by CEO Martin Platt, AmbaSat is the satellite brand of AmbaSense, which consists of a group of six people specialising in technology, software, hardware and the environment. Based in Yorkshire, United Kingdom, the company has created a number of successful IoT solutions for a range of companies, including several Premiership Football clubs, local councils and care homes.