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SINGPOST COLLABORATES WITH IDA TO DEVELOP FIRST DRONE FOR MAIL DELIVERY

Last mile mail and packet drone delivery test flight successfully completed

Video of the trial flight can be found at https://www.youtube.com/watch?v=MPL_ifH13Zk

Singapore, 8 October, 2015 – Singapore Post (“SingPost”) today announced a joint development with the Infocomm Development Authority of Singapore (IDA) for a Unmanned Aerial Vehicle (UAV, also known as drone). A last mile mail and packet drone delivery trial was successfully completed between Lorong Halus and Pulau Ubin. The drone which was built upon the Pixhawk Steadidrone platform was by IDA Labs to meet the new conceptual delivery platform from SingPost, and tailored for use in a challenging environment like Singapore. This is the first time in the world a postal service has successfully used an UAV for point-to-point recipient-authenticated mail delivery.

SingPost’s exploration of the drone technology is a move to provide enhanced end-to-end solutions to facilitate urban logistics as well as tap on the burgeoning eCommerce growth in Asia Pacific. The B2C eCommerce market in Asia Pacific is expected to reach US\$175 billion by 2016¹ and SingPost who is equipped to handle postal and non-postal delivery, customs clearance and eCommerce warehousing, is emerging as a market leader in Southeast Asia.

“The successful conclusion of this trial shows how SingPost is thinking out of the box and its willingness to expand its traditional mail delivery model in innovative ways. Although it will be a while before it is viable for drone mail delivery to take off in Singapore, taking into consideration commercial and safety factors; this first step by SingPost and IDA demonstrates what Singapore is trying out with our Smart Nation vision – to have the various parts of our ecosystem collaborate, experiment with new ways of doing things, and in the process, literally aim for the sky with new technology,” said Jacqueline Poh, Managing Director, Infocomm Development Authority of Singapore (IDA).

The test flight which took five minutes carried a payload of a letter as well as t-shirt in a packet and flew a total distance of two kilometres. The drone is equipped with enhanced safety features, and is complemented with a prototype app designed with security and verification features that ensures the mail reaches its intended recipient. It has the capacity to carry a payload of up to half a kilogramme, fly at a height of up to 45

¹ Forrester/Transport Intelligence



metres and travel a distance of 2.3 kilometres. The focus of the flight was to test the drone technology and safety boundaries.

Dr Wolfgang Baier, Group Chief Executive Officer of SingPost said: “SingPost is pioneering eCommerce logistics across Asia Pacific and building ecosystems to facilitate eCommerce for businesses as well as end consumers. We are seeing success in our digital transformation which did not happen overnight. Our success is made possible through collaborations with industry experts and our business partners. Now, we want to make innovation more accessible and bring more tangible benefits to our customers and consumers.”

“There is immense potential in UAV technology for last-mile mail and ecommerce delivery. As SingPost transforms into an eCommerce logistics enabler, we will continue to collaborate with industry leaders and chart new frontiers. Not only do we want to enable or accelerate eCommerce, we hope to contribute towards building Singapore into a Smart Nation, where technology improves the quality of lives. We seek continuous exploration to break new ground, innovate and harness technology to bring end-to-end solutions that matter to our customers,” said Dr Bernard Leong, Head of Digital Services, SingPost.

The multi-agency Unmanned Aircraft Systems (UAS) Committee facilitated this trial. Its Chairman, Permanent Secretary of the Ministry of Transport Mr Pang Kin Keong said, “The UAS Committee has been encouraging and discussing with public and private sector organisations on innovative uses of UAS, and facilitating such trials. The technology opens up numerous exciting possibilities which could help us enhance operational productivity, efficiency and effectiveness. All this, of course, needs to be carried in a safe manner, both for the public as well as aviation.”

The first SingPost drone trial flight was conducted with permissions and cooperation from Infocomm Development Authority of Singapore, Ministry of Transport, Civil Aviation Authority of Singapore, the Maritime and Port Authority of Singapore, the Republic of Singapore Air Force as well as the Singapore Police Force.

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About Singapore Post Limited

For over 150 years, Singapore Post (SingPost) as the country’s postal service provider, has been delivering trusted and reliable services to homes and businesses in Singapore.

Today, SingPost is pioneering and leading in eCommerce logistics as well as providing innovative mail and logistics solutions in Singapore and the Asia Pacific, with operations in 15 countries.

Building on its trusted communications through domestic and international postal services, SingPost is taking the lead in end-to-end integrated and digital mail solutions. The suite of



SingPost eCommerce logistics solutions includes front end web management, warehousing and fulfilment, last mile delivery or international freight forwarding.

Listed on the Main Board of the Singapore Exchange in 2003, SingPost is a constituent stock of various main global benchmark indices - FTSE All-World Index Series, FTSE All-World Minimum Variance Index, FTSE All-World High Dividend Yield Index, FTSE RAFI Index Series, FTSE Global Infrastructure Index Series and FTSE ST Index Series. It has a strong credit rating of 'A/Stable/NR' by Standard & Poor's.

To find out more about SingPost, please visit www.singpost.com and <https://www.singpost.com/corporate-information/businesses.html> for more information on SingPost's subsidiaries and businesses.

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