Media Release

MAPPING WITH DRONES ELEVATED TO THE NEXT LEVEL

Swiss company launches a drone that sets a new accuracy benchmark in aerial mapping

Zurich, 27 February 2018 **A Swiss drone company Wingtra is launching a game changing new product. Its drone WingtraOne is now available with a high precision option for mapping professionals. This particular upgrade makes the drone the first to produce extremely high precision and resolution maps faster than ever before.**

"While flying, WingtraOne PPK (post-processed kinematics) collects extremely precise aerial data or simply said – images from above. These images are later stitched together into high precision maps and 3D models to be used in applications ranging from mining and surveying to wildlife protection," explains the CTO of Wingtra, Armin Ambühl.

"With the latest upgrade, our drone WingtraOne PPK can offer something that has never been seen before – broad coverage, brilliant resolution and ultra-precise accuracy. For example, we can map an area the size of 240 American football fields in an hour's flight and it's possible to zoom in and see a coin lying on the ground. And what's best – we know the exact coordinates of that coin, so we can easily locate it on the field," adds Ambühl.

These results are new to the industry – professionals could never reach such precision with any of the broad coverage drones. Until now the drone-mapping world has been primarily dominated by two types of drones: fixed wings and multirotors. Fixed wings can cover vast areas but cannot deliver such precise data. On the other hand, multirotors are accurate but can only map small areas.

"Wingtra's advantage is two-fold – our drone is a VTOL and it newly has the PPK technology", says Ambühl. "VTOL stands for vertical take-off and landing and means that WingtraOne combines the best of both fixed wings and multirotors. Therefore, it can map vast areas at extremely high precision."

PPK stands for post-processed kinematics and is the technology allowing the WingtraOne to reach game changing mapping accuracy. As Ambühl explains, "Instead of general GPS, which gives us the rough location information of 3-5 m, PPK gives us centimeter level precision. Talking about the same coin, WingtraOne PPK could tell exactly where the coin lies on the field down to 1 cm (0.4 in) in accuracy."

Wingtra team expects the WingtraOne PPK to become the most desired drone in high precision surveying and mapping applications and not only that: Maximilian Boosfeld, the COO of Wingtra adds, "Drones have made aerial data far more accessible than ever, even in extremely complicated or hazardous conditions. Besides surveying, our drones are already being used in situations like endangered species monitoring in Australia, constructions in hardly reachable Alpine areas or mining in such severe conditions as the Namib Desert. In these particular cases, drone use greatly reduces the risk of workers as it dramatically shortens the time required on the field and helps predict risks such as landslides. Thus we believe that the growing range of application will not only help to increase work efficiency but will also save lives of people and animals."

WingtraOne PPK is available directly through Wingtra and its global distribution network as of February 27th 2018. Find more information on www.wingtra.com.

About Wingtra
Wingtra is a spinoff of ETH Zurich, The Swiss Federal Institute of Technology in Zurich. It develops, produces and commercializes VTOL drones that collect survey-grade aerial data. Wingtra entered the market in early 2017 and has been selling globally ever since. Recently the company has raised additional $5.8M to meet the demand in 2018 and partnered with biggest surveying equipment dealers worldwide, among them, US based RDO Integrated Controls.

Media contact:
Wingtra, Justina Kostinaite, justina.kostinaite@wingtra.com
www.wingtra.com
https://twitter.com/Wingtra