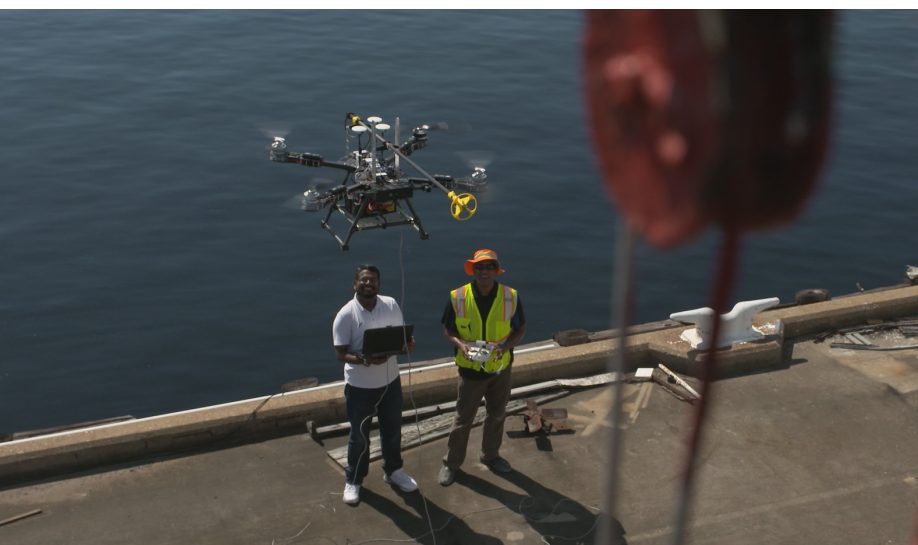
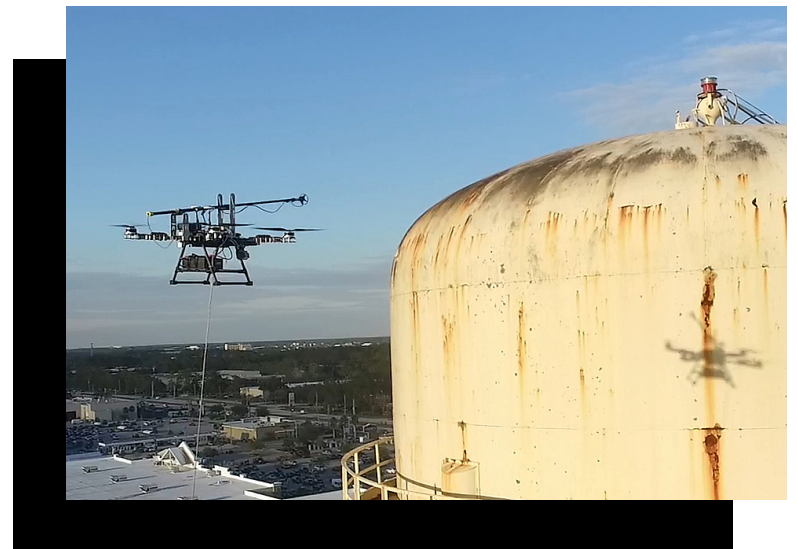


Aerial Ultrasonic Wall Testing Robot

Autonomous drone for performing safe, reliable, and cost effective ultrasonic thickness measurements

SPECIFICATIONS

- Performs measurements up to 100 m (330 ft) above ground level
- Over 100 separate site measures per hour, with all-day flight via ground power (no battery changes)
- Operable in winds up to 12 knots (14 mph)
- Configurable for wide temperature ranges and wall thicknesses
- Couplant applied automatically between readings
- Output includes real-time test results, customizable downloads and proprietary 3D map of test results/structure
- Requires only basic piloting skills (current US regulations require an FAA part 107 pilot license)



WHAT IS AUTONOMOUS FLIGHT?

The pilot simply positions the aircraft near the inspection target and selects the START button on the user interface. The onboard computer then takes over, performing all flight control and testing before returning to a safe zone to await further instructions.

STANDARD PROBE SPECIFICATIONS

Device can be configured with alternative probes to achieve desired specification requirements

Gauge Probe Type	Measurement Range, Multiple Echo	Sound Velocity Range	Accuracy
DeFelsko UTG M with single element 5 MHz contact transducer	0.100 in to 2.500 in* 2.5 mm to 60.00 mm*	0.0492 to 0.3930 in/ μ s 1,250 to 10,000 m/s	\pm 0.001 in \pm 0.03 mm

* Measurement range is dependent on temperature, surface condition, and material

SAFETY Keeping employees off cranes, scaffolding, and ropes.

Safety is the fundamental driver for all work performed at Apellix. By removing workers from dangerous heights, Apellix is engineering a safer occupational environment for the inspections industry. Safety considerations have been extensively evaluated and addressed to ensure our technology can be operated without incident. All Apellix drones have been equipped with a diverse platform of safety features to reduce risk and deliver the safest technology for your inspection requirements.

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