



Aerial Data for Professional Mapping and Surveying



Coastal survey, Baltic Sea

Meet the WingtraOne

The professional drone that simplifies mapping and surveying through easy and smart aerial data collection.



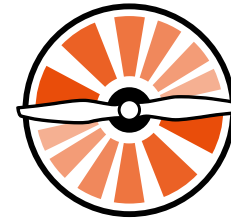
Greater Coverage

- ✓ Flight time of up to 55 minutes
- ✓ Coverage of up to 400ha at 3cm/px
- ✓ 10 times greater range than a quadcopter
- ✓ No tilting mechanism, no unnecessary weight for full flight efficiency



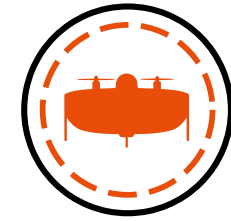
Ease of Use

- ✓ Easy survey planning with WingtraPilot
- ✓ Fully autonomous – no piloting skills required
- ✓ Vertical take-off and landing (VTOL) in confined spaces – no searching for appropriate sites
- ✓ No flight training needed



Robustness

- ✓ Formula 1 wing technology
- ✓ High-performance electric motors capable of actuating a motor scooter
- ✓ Same batteries that power a Tesla
- ✓ High-end servos with titanium gear
- ✓ Most efficient propellers made out of premium German beech wood



Safety

- ✓ WingtraPilot's smart checklist ensures safe operations
- ✓ Vertical landing on the spot: No belly landings, no nets, no parachutes
- ✓ Laser sensor for secure landing
- ✓ Protected cameras
- ✓ Stabilized flight mode for secure manual handling

The best camera for your application

Sony RX1RII, 35mm lens

Full-frame sensor, 42 MP, RGB

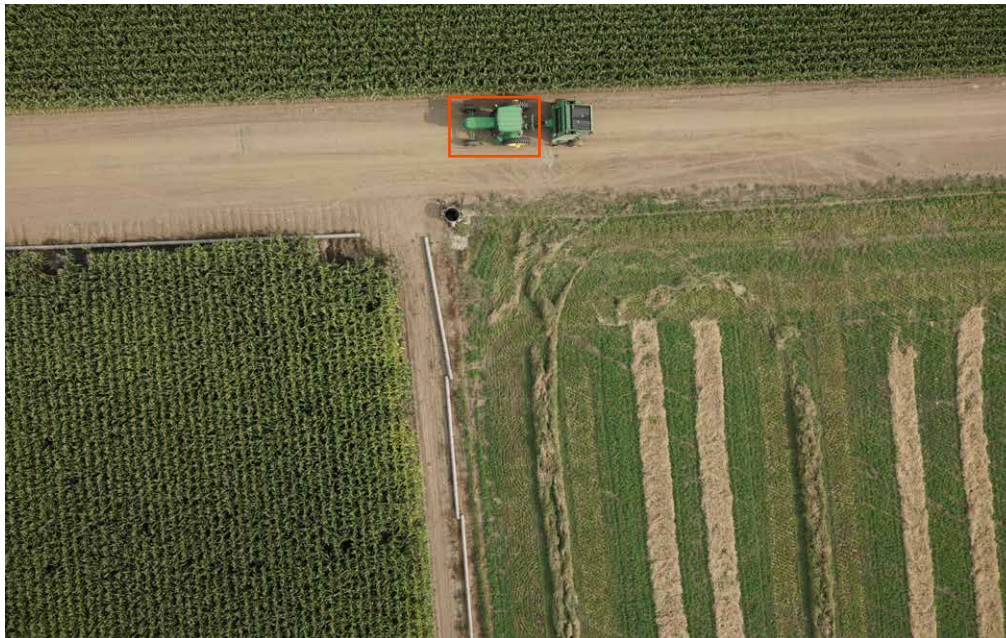
Brilliant image quality

Highest coverage at low GSD

Coverage at 3 cm/px / 1.18 in/px

390 ha (at 240m flight altitude)

964 acres (at 787 feet flight altitude)



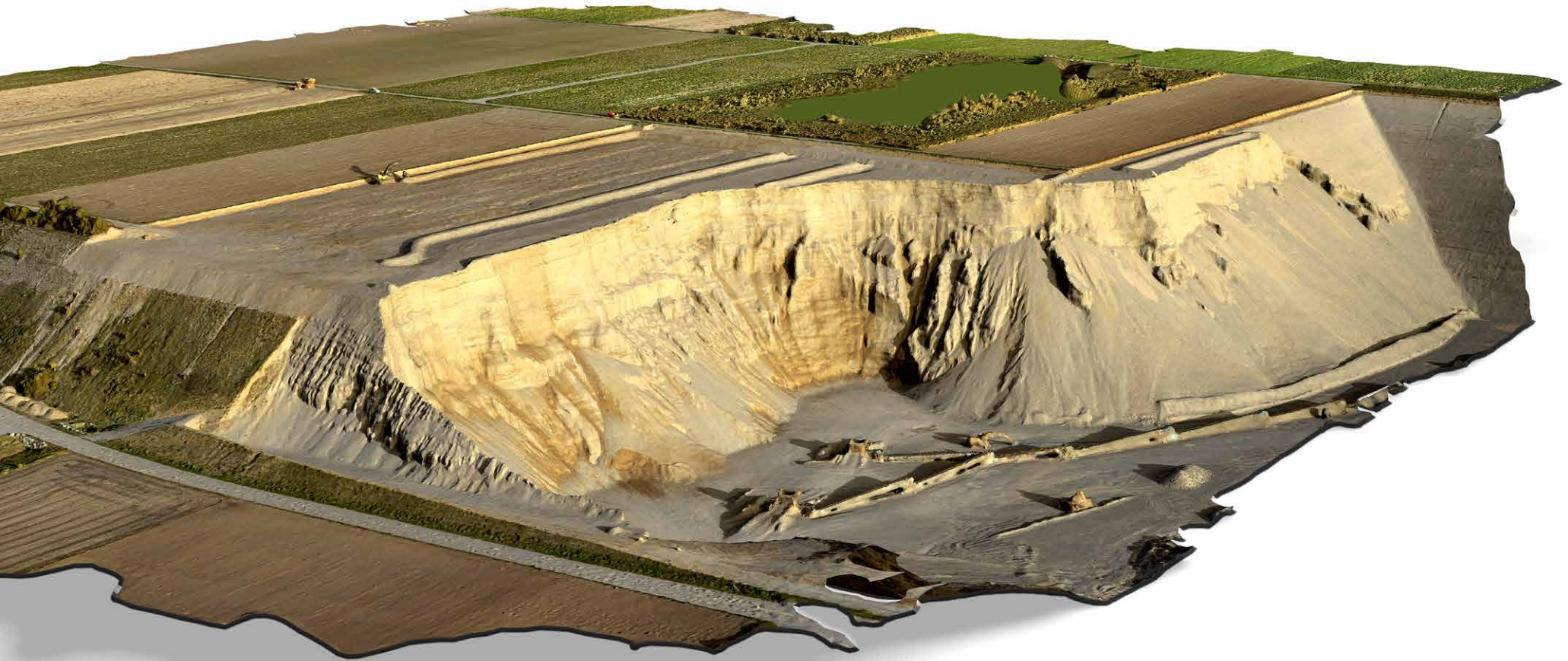
GSD 0.7cm/px, single image from RX1RII



Same image, 11 x magnified

High-quality images for actionable data

Orthophotos | 3D maps | Point Clouds | and many more



Quarry 3D reconstruction
captured with RX1R11

Technical Specifications

Wingspan	125cm (49in)	Take-Off and Landing	VTOL, Fully autonomous
Weight (empty)	3.6kg (7.9lbs)	Optimal Cruise Speed	55km/h (34.2mph)
Maximum Take-Off Weight	4.4kg (9.7lbs)	Wind Resistance	Up to 30km/h (18.6mph) during landing, 45km/h (28mph) in cruise
Payload capacity	up to 800g (1.8lbs)		
Mission Planning Software	WingtraPilot		



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