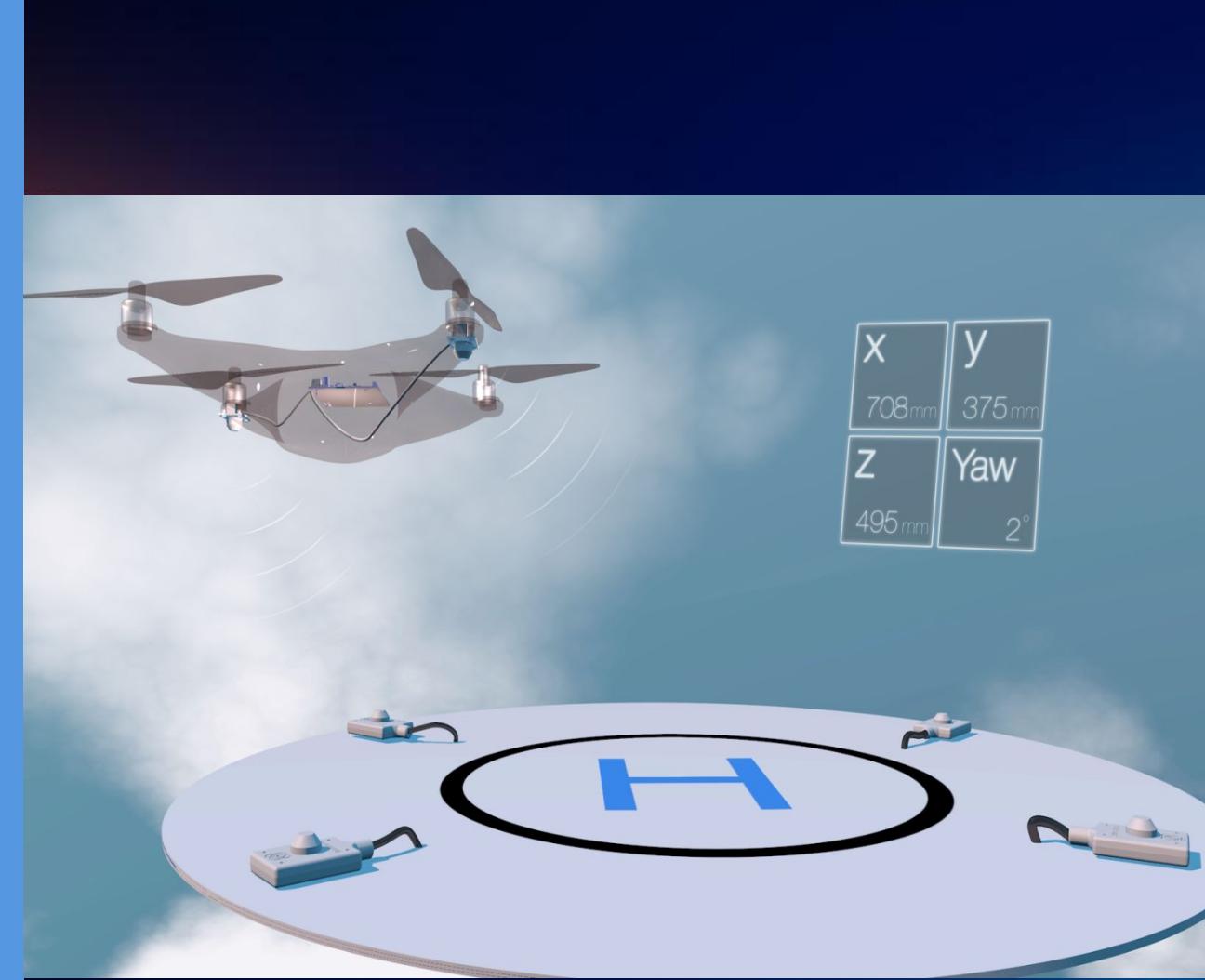




Internest
Autonomous flights in complex environments

LoLas

Local Landing System



Robust positioning for automatic landing



Internest's CEO presents to French President Emmanuel Macron a project with Naval Group, at EuroNaval 2018

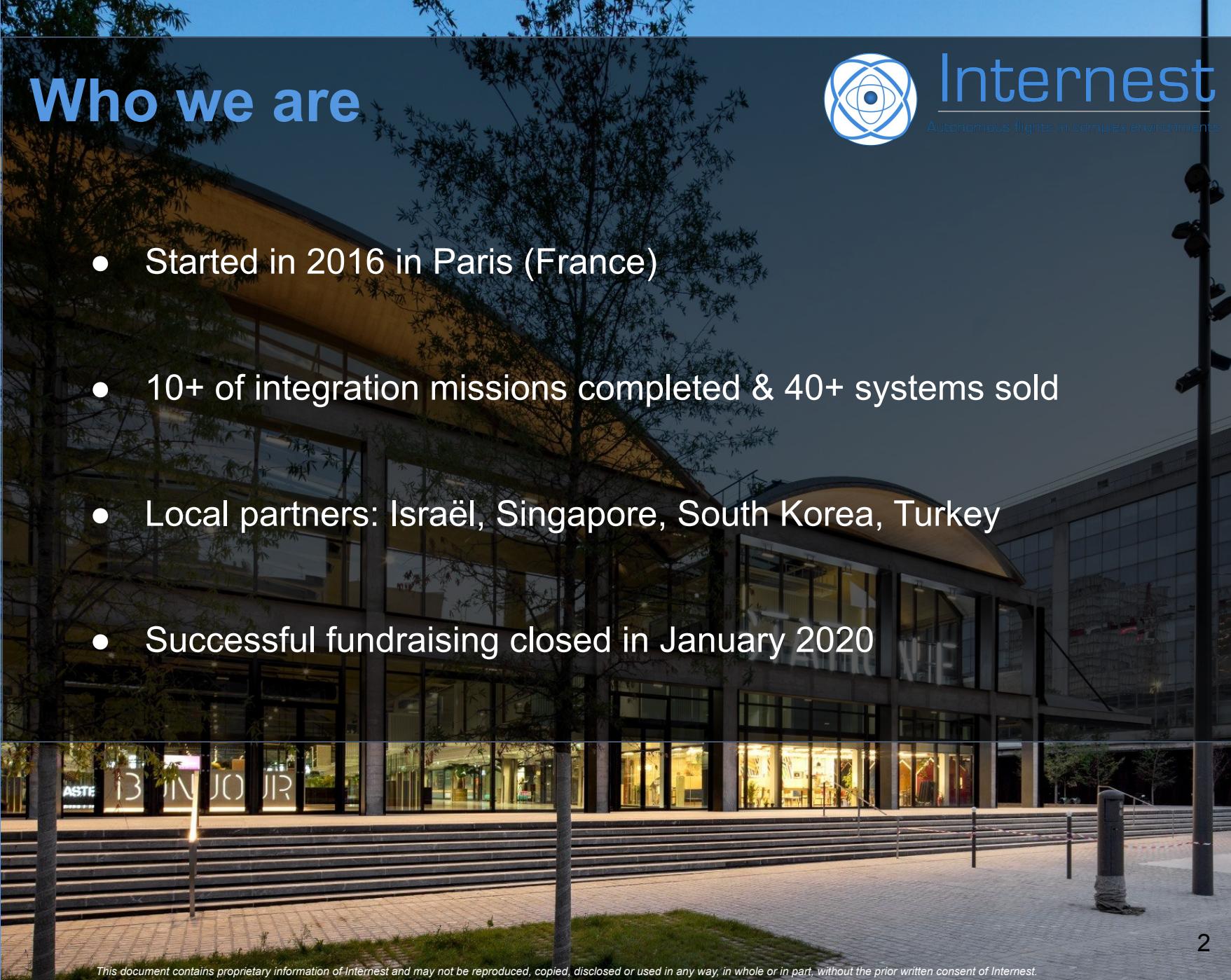


Internest is part of US DoD FCT program since 2020 and Starburst accelerator since 2017

Who we are



- Started in 2016 in Paris (France)
- 10+ of integration missions completed & 40+ systems sold
- Local partners: Israël, Singapore, South Korea, Turkey
- Successful fundraising closed in January 2020



Your drone missions are critical, they need a safe and weatherproof precision landing system

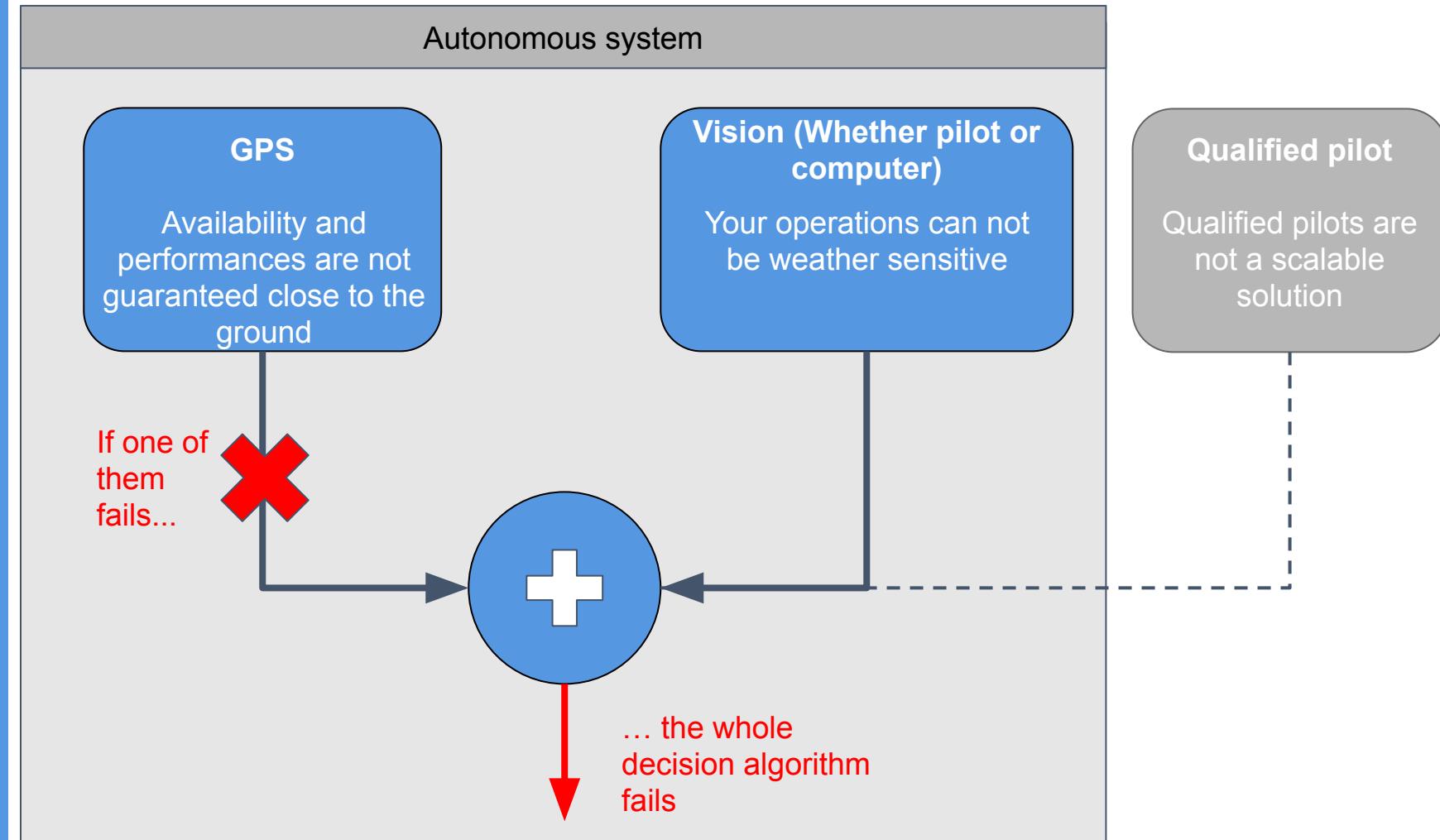
"There will come a day where we won't even trust an airplane that requires a human to fly."
Paul Eremenko, Airbus Acubed CEO



"GNSS is fine when you're flying above city skylines... but when it comes to landing at **ground level**, you absolutely need some secondary system"

Leo Jeoh, Airbus Singapore UTM

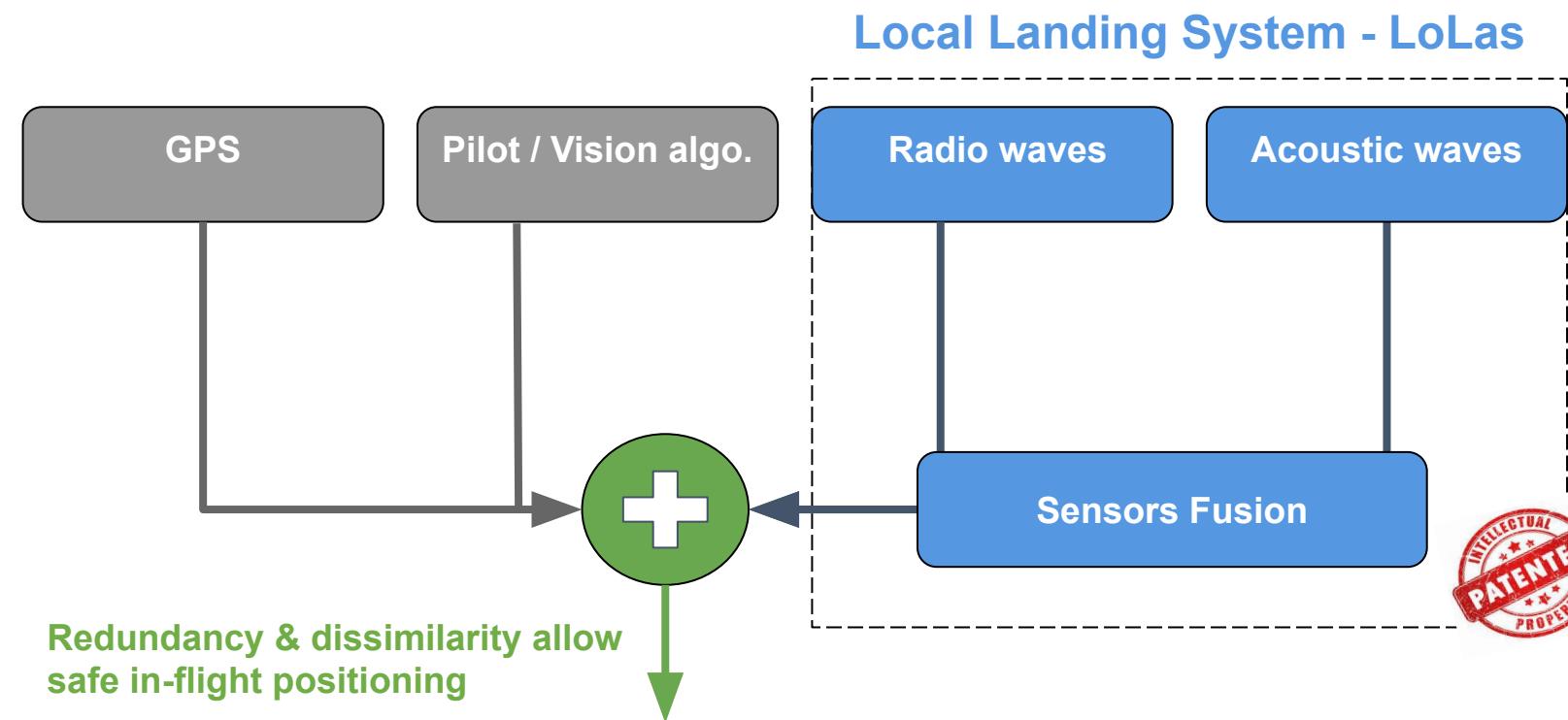
The sensors you already have are not secured in every situations



Our product provides technological redundancy



LoLas system: drone and ground sensors



LoLas key benefits



LoLas system integrated on Tundra UAV

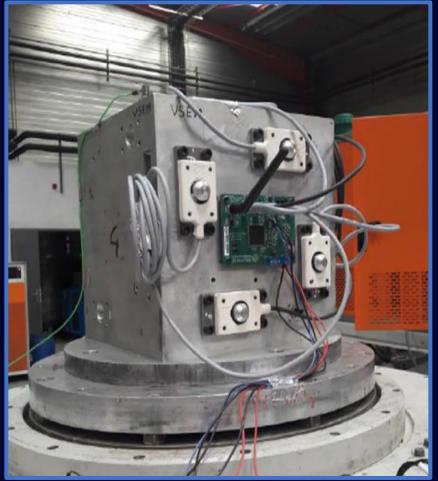


LoLas system on Milrem Themis UGV

Size Weight Power & Cost optimized, key Performances:

- Range: up to **20m (49ft)** in BASE version, **70m (230ft)** in EXPLORE version
- Relative 3D positioning: **centimeter level precision** for the last 10m
- **60-100g** drone payload
- Update rate: **10 Hz**
- Relative **heading measurement**
- **Real time** measurement (latency equal to GNSS)
- **Landing on moving platforms** : compensation of platform dynamics

Click here to access our [Technical documentation](#)



LoLas system under test for Mil-STD at Axandus's laboratory (FRANCE)



LoLas system under test in wind tunnel of CSTB (FRANCE)

LoLas system quality

Tests passed (reports available on request):

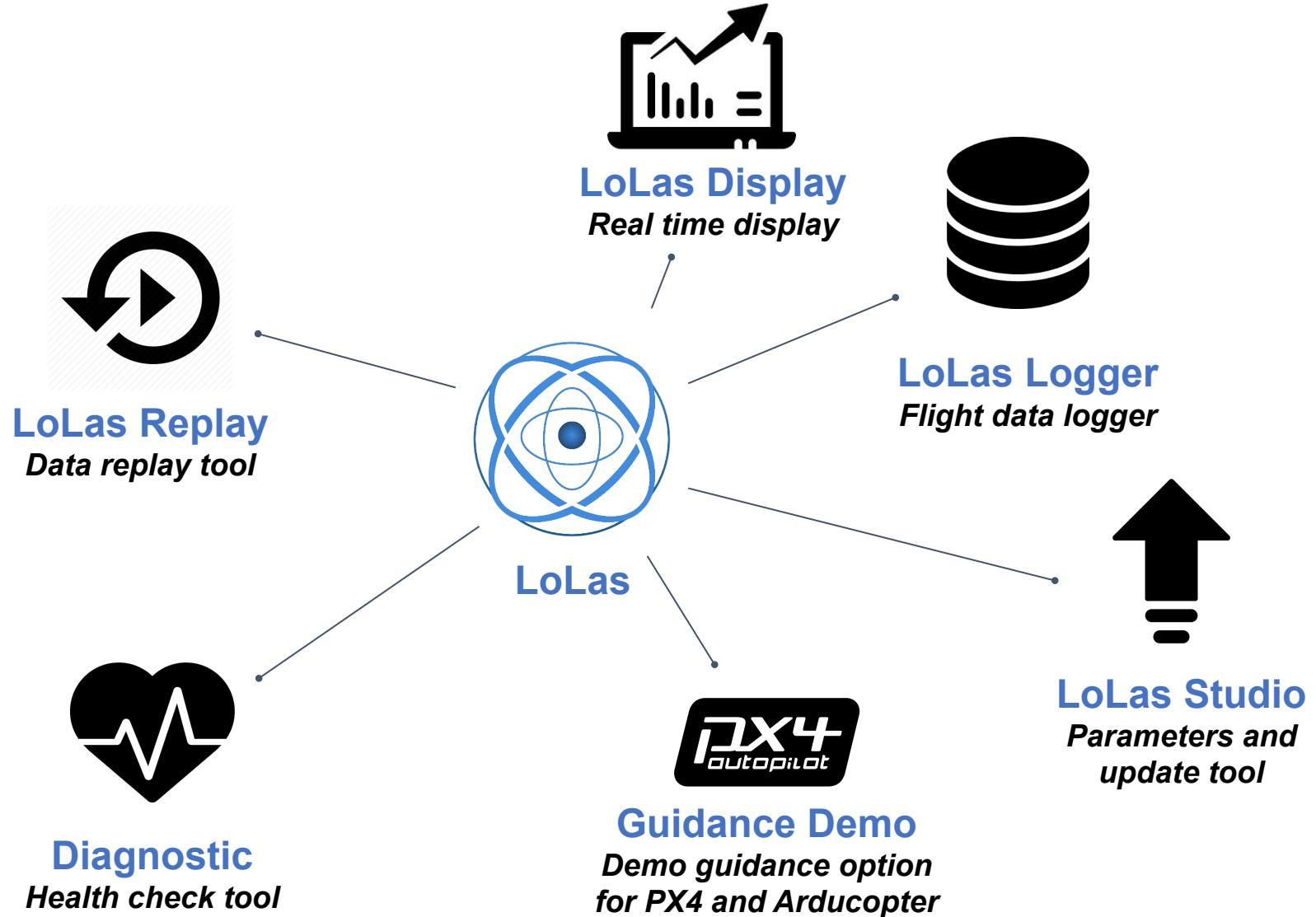
- IP67 (ISO-20653 2013) for the ground sensors
- MIL-STD-810G: shocks, vibrations, temperatures, salt mist, ...
- Wind tunnels tests: LoLas passed functional tests up to 35 knots
- Certified MIC (Japanese radio certification)
- ISO-9001 certification aimed for end of 2020

Rugged casings available:

 A white, rectangular, ruggedized electronic enclosure with a black front panel featuring several small circular ports or indicators. The Internest logo is visible on the top right of the front panel.	Rugged Ground Central
 A dark grey, rectangular, ruggedized electronic enclosure with a black front panel featuring a circular port and some text. The Internest logo is visible on the top right of the front panel.	Rugged Drone Central

"Alpha has been testing and deeply analysing the performance of the Internest sensor as relative positioning system for landing in vessels with successful results.
With Internest precision landing is an achievable challenge. This sensor really does the job !"
Alpha Unmanned Systems,
COO

LoLas comes with a wide range of tools



We can help you integrate LoLas

« I believe **Internetest** has a great potential both due to the technology, use-cases and passionate team. »
Zvi Maayan, IAI, Executive VP

Demonstration

We can set up a demo and assess system capacities for your specific use case, in your environment.

Integration

Using system architecture methods, we can help you integrating LoLas in your system during your design phase.

Customization

LoLas was entirely designed in-house, so we can adjust the technology to your specific needs.

Successful Projects 1/2



Man-Unmanned teaming:
UAV & helicopter

[Demo video](#)



Confidential: ongoing integration



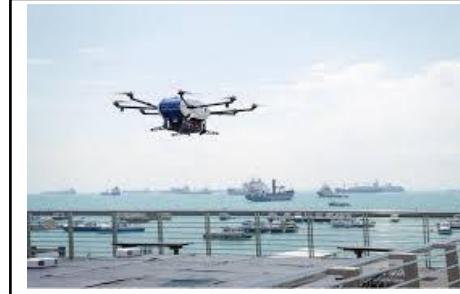
Autonomous decklanding for
multirotors UAVs

[Demo video](#)



ISR missions from moving
armored vehicle

Successful Projects 2/2



Logistics: Urban & shore to ship delivery



[Demo video](#)



ISR: Tethered drone missions from UGV on battlefield



Security: dronebox for perimeter surveillance night & day

[Demo video](#)



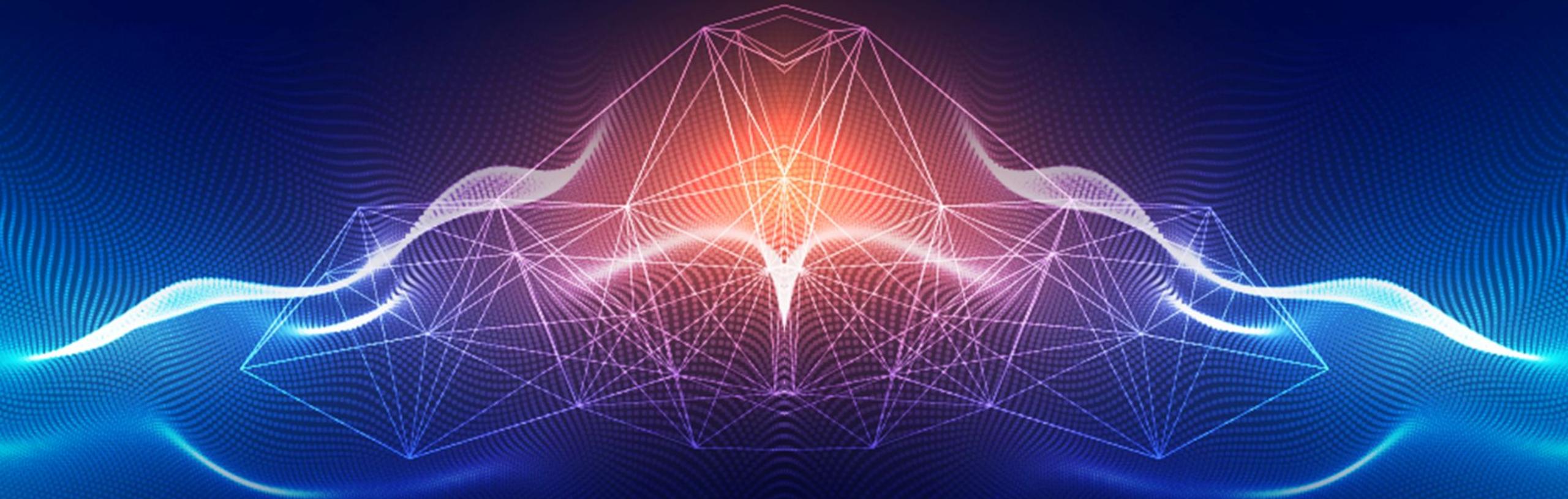
Logistics: Drone delivery box

[Demo video](#)



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