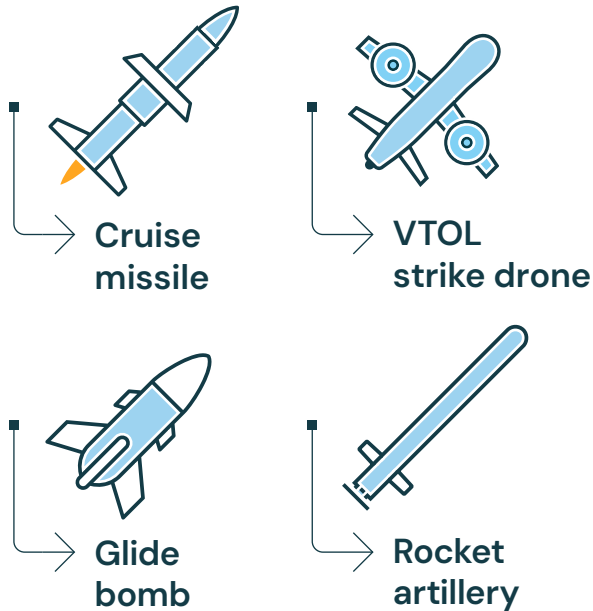


Integrated Launch to Strike System



Bolt-on system

Boost the performance of automotive hardware with our software to get **military capability**

Product list



Cruise missile terrain navigation with 10m accuracy.



Booster enabling 100km or more open ocean crossing to reach small islands.



Swarm strike-grade navigation. Minimal intermittent comms between UAS.



Terminal guidance for high mass onto both static and moving targets.

Contact

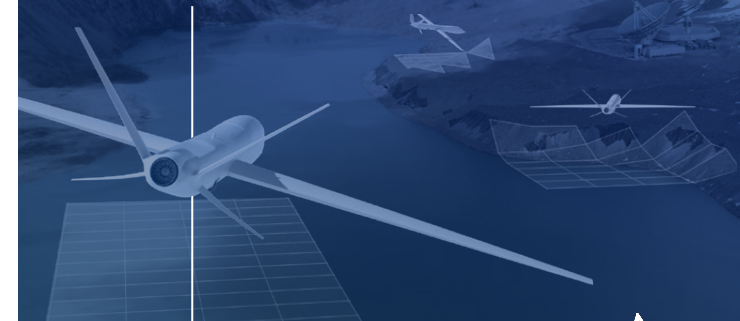


Oxford & London, UK
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Affordable high mass GPS-free navigation



**Flight tested,
& operational**



Unjammable



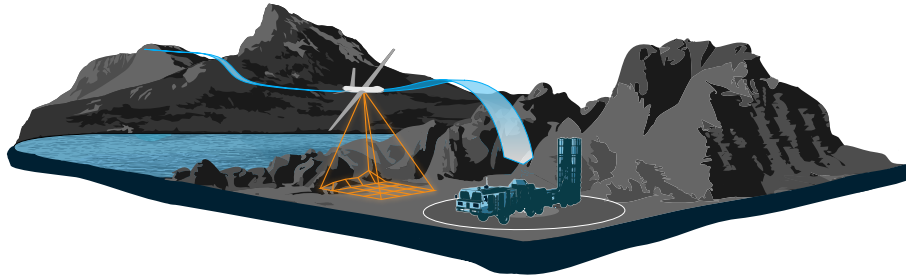
Any platform

No cameras, communications or GPS required.



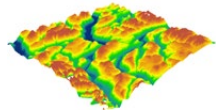
- 10m CEP, 30kn to 500kn, 30ft to 1,000ft height
- Optimised for low & fast, night or day, land/sea/ice.

- No cameras or comms
- Small, light automotive components
- Priced for affordable high-mass strike

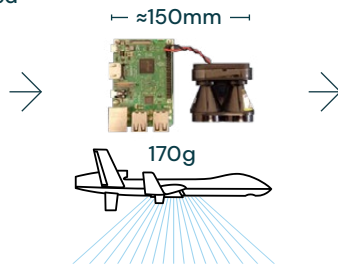


- Marine plugin for long-range open water
- Swarm plugin widens operational envelope
- Terminal Guidance plugin for target interception
- Unjammable and unspoofable
- Excels where machine vision struggles

Before launch DEM
terrain map (2m resolution commercial map) is loaded



During flight the onboard Tactera calculates current position $\approx 130\text{mm}$



To autopilot:

- Lat/Lon position every 1-2 seconds with around 10m accuracy
- MAVLINK message used (others available)
- Can provide 3D wind (not airspeed) vector measurement in real time.

Benefits to end user

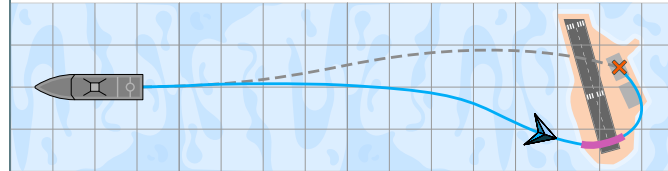
- End-to-end GPS-free navigation solution
- Small, off the shelf non exquisite commercial hardware plus advanced software, provides fast updates, and absolute strike-grade accuracy
- Bolt on vehicle agnostic system. Plug and fly.

TRL8

- Flown against active military jamming and spoofing
- Flight tested and operational
- Tactera comes enhanced with our Intera system which allows aerial platforms to achieve their mission in GNSS denied/ disrupted environments over long distance.

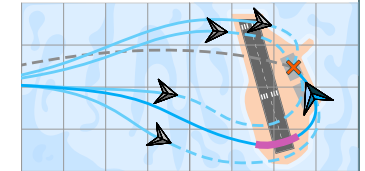


Unique Capability: GNSS-free Open Ocean Small-Island High-Mass Strike



Tactera Marine gives enhanced INS linear drift over open-ocean of about 6km in 1 hour on a baseline \$5 IMU and getting better. 1km drift in 10 mins.

Tactera resets error to around 10m CEP as soon as it sees terrain so the one-way-effector can strike the original location.



Tactera Swarm lets the first effector that sees the island update all others immediately, so they can instantly strike the original location.



At 500kn you can fly over 166km of ocean in 10 mins and get 1km CEP, small enough to fly over even a small island.



- Cruise missile accuracy, day or night, in GPS denied environments
- Optimised for low and fast
- Priced for affordable high-mass strike



- Tactera is enhanced with our Intera system to provide the ultimate GPS-free navigation offering
- Fly long range over open water or ice
- Tactical to navigation grade performance from a \$5 IMU

Contact



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