# ZEUS

## Fly. Track. Decide. Air and land.

Zeus brings the TwoBlue mission engine to UAVs, fixed-wing or multirotor. It flies a Poseidon mission package from take-off to landing: transits, tasks, loiter and the way home, with progress reported at every comms window.

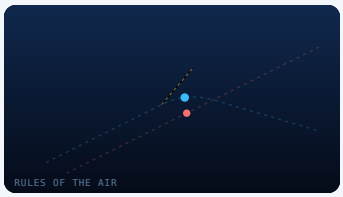



**5**
air transit choices from Poseidon

**2**
airframes: fixed-wing or multirotor

**1**
mission engine with Trident

FEATURES



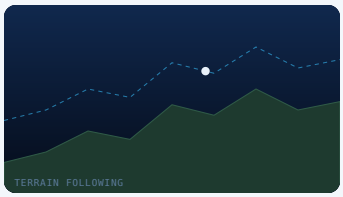

### Detect and avoid

Gives way to other aircraft under the rules of the air, then rejoins its route.



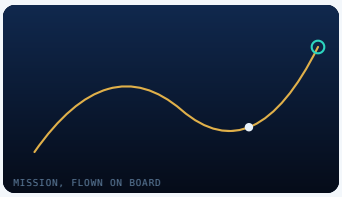

### Autonomous navigation

Flies its route from take-off to landing at HOME, deciding the next waypoint inside its geofence.



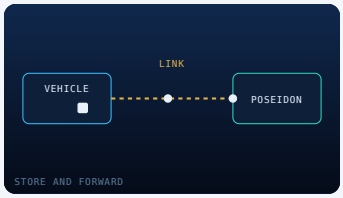

### Climb, descent and terrain following

Holds its height above the ground along the route, with terrain from Nereus via Poseidon.




### Mission execution

Flies the Poseidon mission package: transits, tasks, loiter and the way home.




### Store and forward communications

Progress and contacts are held on board and reported at every comms window.

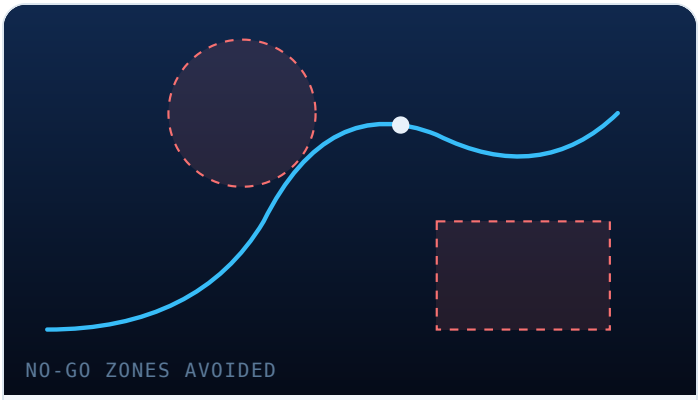
### Weather-aware, in the air and on land

Adverse weather on the route is tracked automatically and checked against the aircraft's limits. The operator can take control and hand it back. The same engine runs UGVs on land. Auto-erase if lost.

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Screens from TwoBlue software running demo scenarios with simulated and emulated data. Scenarios are illustrative.

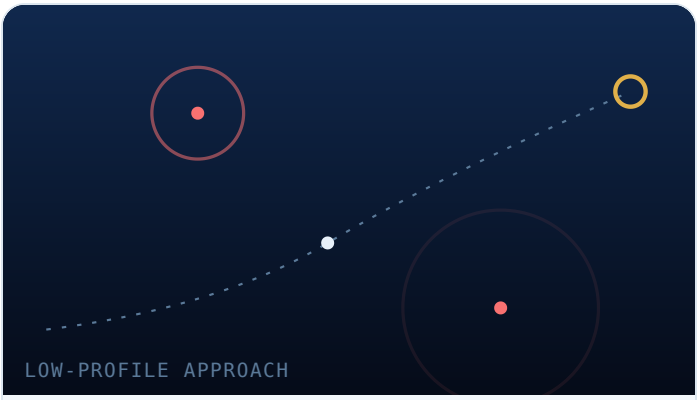
**www.xaltcraft.com**
info@xaltcraft.com · +1-902-306-7191

USE CASES



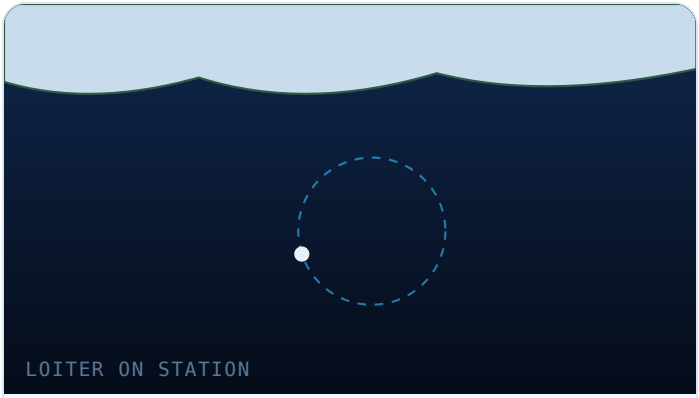

### Avoiding no-go zones

Stays out of no-go areas, with geofences that have floors and ceilings.



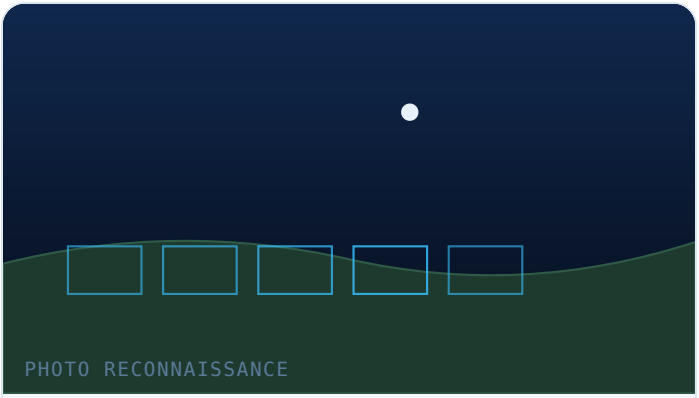

### Stealth approach

Approaches an area of interest on a route planned to keep the aircraft unobtrusive.




### Loiter on station

Holds station over a point of interest, then turns for HOME on its energy reserve.




### Photo reconnaissance

Follows the terrain along a line and images the area as it goes.

SEE THESE ANIMATED AT XALTCRAFT.COM/GO/ZEUS

ILLUSTRATIVE SCENARIO

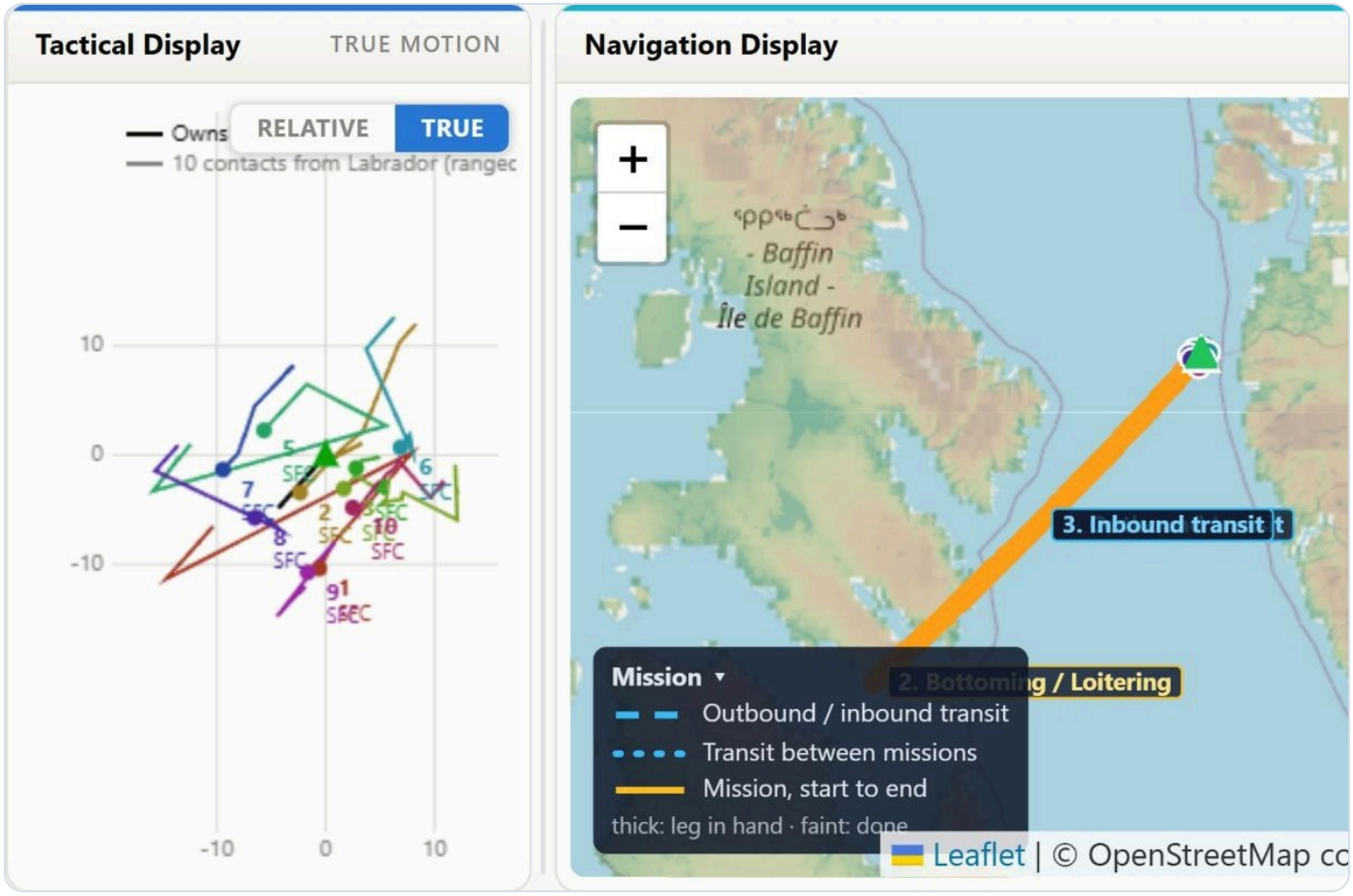
## Extending a patrol from the air

Zeus lifts off to extend a Trident patrol from the air. It follows the terrain on the way out, stays inside a geofence with a floor and a ceiling, gives way to a crossing aircraft, reports its contacts through Labrador Edge, and turns for HOME when its energy reserve says so.

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ON SCREEN




ZEUS TACTICAL AND NAVIGATION DISPLAYS

> Takes its mission from Poseidon, alongside Trident. Poseidon keeps air and sea deconflicted and can take the conn.

## See Zeus running

Ask for a live demo, or a call with the team that builds it. The QR code opens the Zeus page, with these use cases animated.

xaltcraft.com/go/zeus