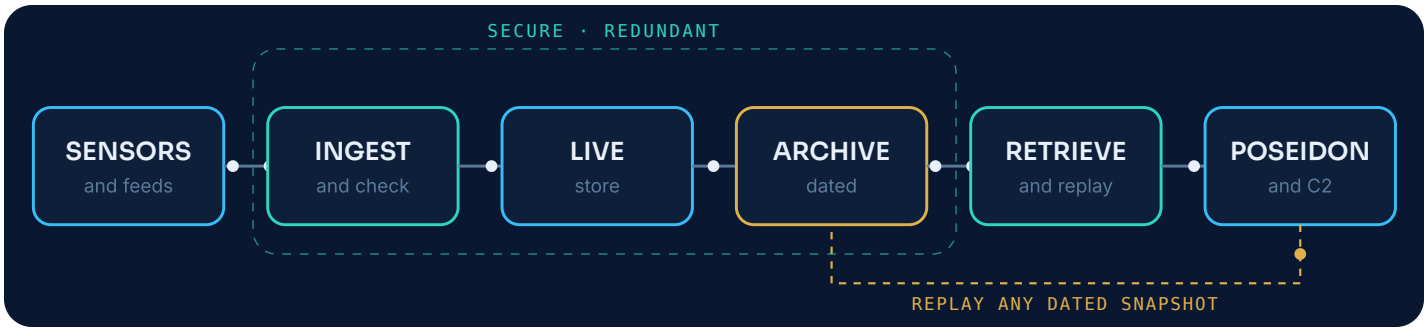
DATA HANDLING SYSTEM

Every byte home. Every decision traced.

The Nereus Data Handling System takes in mission and sensor data from every vehicle, sensor and feed, checks it, stores it live, archives dated snapshots and replays any of them on request. Nereus is its front end.



1
store for every sensor and feed

Any
dated snapshot, replayed on request

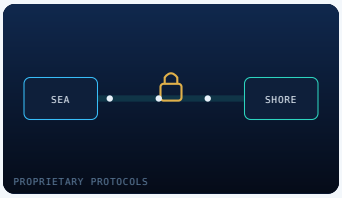
6
steps from sensor to C2

FEATURES



Redundant database servers

Mission and sensor data held on redundant database servers, so one failure does not lose the record.



Proprietary protocols

Data moves between vehicles, sensors and shore on Xaltcraft's own protocols.



Checked on ingest

Data is checked as it arrives, then stored, so problems surface early.



Dated snapshots and replay

Every snapshot is dated and kept, and any one can be replayed as it was seen at the time.

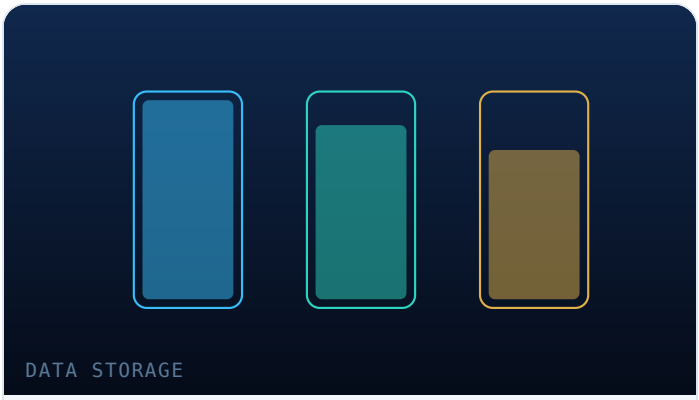
Behind Nereus

Nereus is the front end of the Data Handling System. Behind it, the DHS brings its own operating system, AI, protocols and redundancy for data handling, storage and retrieval.

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

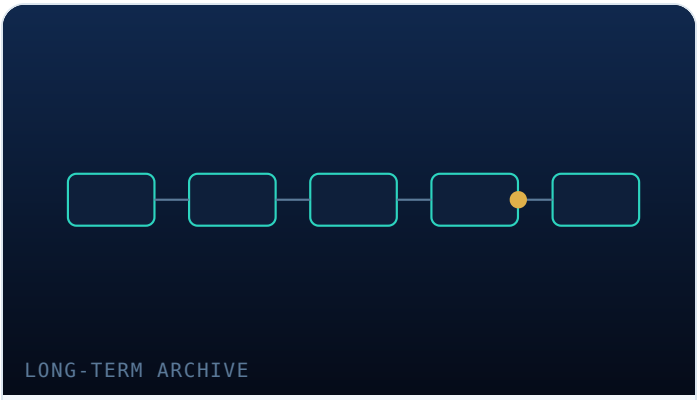
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USE CASES



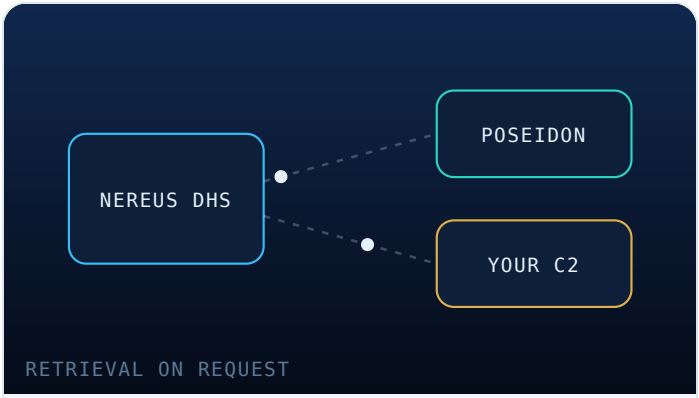
Data storage

One store for telemetry, sensor data, contact reports and ocean feeds.



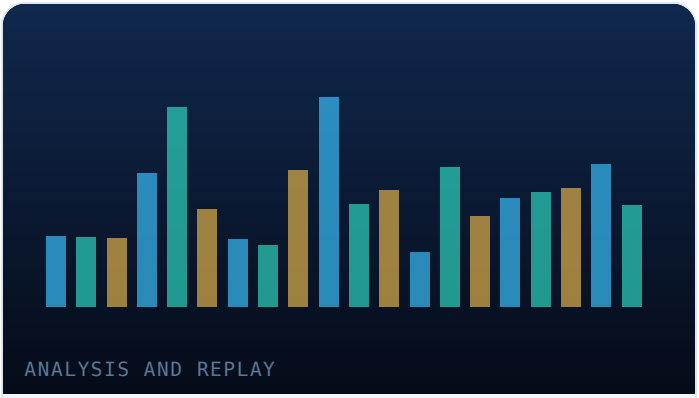
Archival

Missions archived by date, so the record does not change after the fact.



Retrieval on request

Pull back any dated snapshot for Poseidon or your own C2.



Analysis and replay

Replay a mission and analyse what the sensors and planners saw.

SEE THESE ANIMATED AT XALTCRAFT.COM/GO/DHS

ILLUSTRATIVE SCENARIO

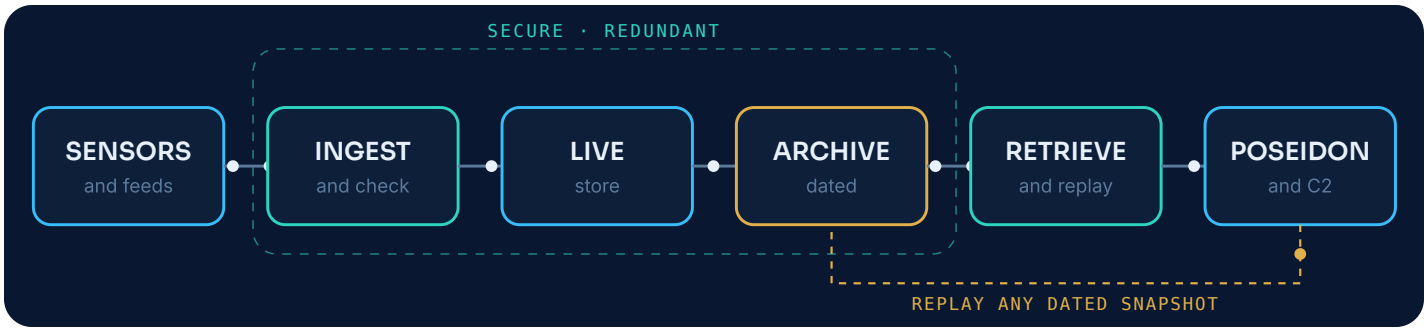
After a two-week survey

A survey fleet comes home after two weeks at sea. Its data went into the DHS as it arrived: checked, stored, archived by date. A month later a client asks why a route was changed on day nine. The analyst replays the day-nine snapshot and shows exactly what the planners saw.

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DATA HANDLING, IN SHORT



IN SHORT

Secure, redundant, traceable

The flow above is the whole public picture: sources in, checked, stored live, archived by date, retrieved and replayed, and served to Poseidon and your C2, securely and redundantly. Architecture details are shared with customers under agreement.

> Nereus is its front end. Serves Poseidon and your own C2.

See Data Handling System running

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

xaltcraft.com/go/dhs

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