VICTUS

The Contested Autonomy Platform

ORCHESTRATE | NAVIGATE | TERMINATE

VICTUS delivers contested autonomy end to end. PhantomNAV™ replaces GNSS with sim-trained inertial navigation. PhantomSIGHT™ turns raw imagery into a deployed target-recognition model in hours, no data-science team or cloud. PhantomX™ is the ML-Ops control plane underneath both.

01 CAPABILITY OVERVIEW

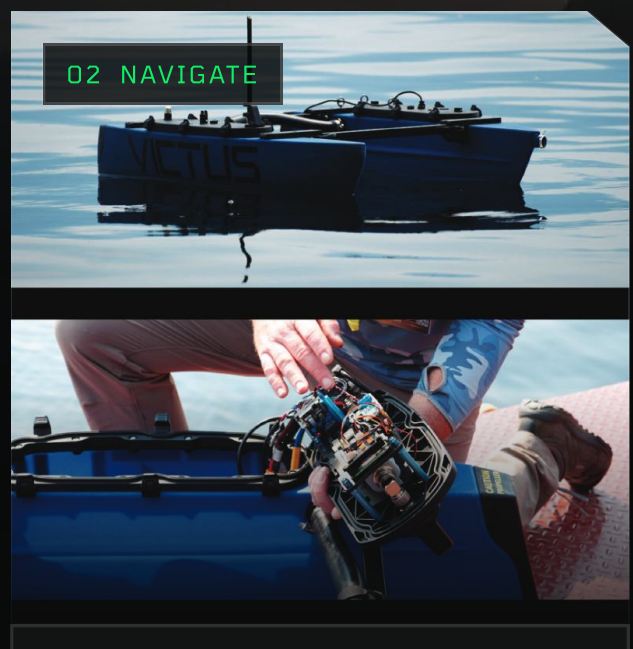


ML / AI-OPS ORCHESTRATION PLATFORM

PhantomX™

Define, configure, train, and deploy every model behind one stable /v1 API.

- **Rest Control Plane**
  Async jobs, schema-validated config, RFC 7807 error.
- **Pluggable Providers**
  Compute, data and auth via phantomx.yaml.
- **50k+ Clients**
  Python SDK and TS client, one OpenAPI 3.1.
- **Deploys Anywhere**
  Laptop to on-prem to enterprise cloud.



SYNTHETIC GPS FOR CONTESTED AUTONOMY

PhantomNAV™

Sim-to-real ML state estimator for GPS-denied navigation

- **Sim-To-Real**
  PhantomNOISE bridges sim and hardware noise profiles.
- **Multi-Domain**
  Air, maritime and ground live; subsea/orbit on roadmap.
- **Edge-Deployed**
  10-50+ Hz, sub-100 ms on ARM compute.
- **Autopilot-Native**
  MAVLink; ArduPilot primary, PX4 supported.



OPERATOR-TRAINED TARGET DETECTION

PhantomSIGHT™

Field-trainable automatic target recognition (ATR).

- **Few-Shot Fine-Tuning**
  Detection from as few as five labeled images.
- **Label Tracking**
  Box once; tracker propagates across frames.
- **Stabilization**
  Temporal filtering eliminates frame flicker.
- **Air-Gapped Capable**
  Full pipeline runs with no external network.

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02 HOW THE CAPABILITIES CONNECT



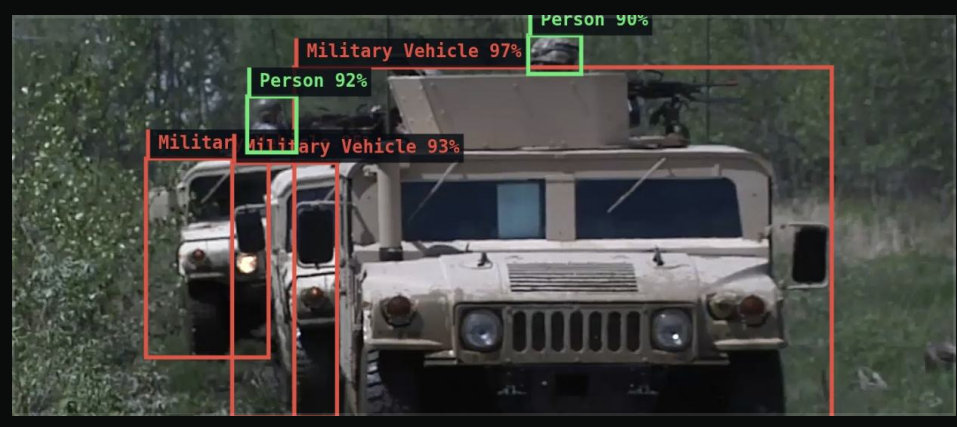
▲ PhantomX™ · ML / AI-OPS ORCHESTRATION PLATFORM

Define, configure, train, and deploy every model behind one stable /v1 API.



▲ PhantomSIGHT™

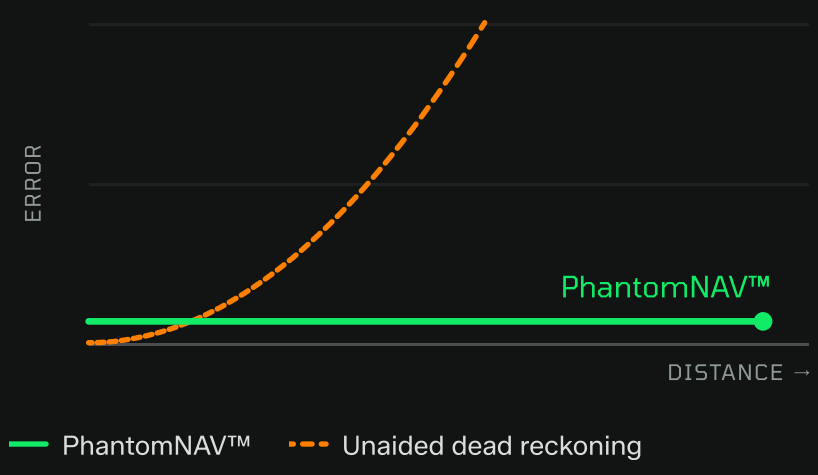
Box once; tracker propagates across frames.



▲ PhantomSIGHT™ · OPERATOR-TRAINED TARGET DETECTION

DRIFT OVER DISTANCE

ILLUSTRATIVE



04 DEPLOY: EDGE / AUTOPILOT

EXPORT	EDGE COMPUTE	AUTOPILOT
ONNX	Pi 4/5	ArduPilot PRIMARY
TensorRT	Jetson Orin	PX4 SUPPORTED
	VOXL	

Define → configure → train → export → deploy. One control plane orchestrating every model.

CONTACT US

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■ NEXT STEP: SCHEDULE A CAPABILITY BRIEF →

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