



One Command Every Domain Real Time

Unified Intelligence Across Land, Sea, Air, Space

About Us



SkyServe is a deep-tech company building AI-powered infrastructure that transforms satellites into programmable intelligence platforms, enabling real-time intelligence in land, maritime and space domains.

Founding Team

Vinay Simha

CEO

25+ years at IBM, GE, HP & TeamIndus — India's first private lunar mission Attempt. Deep expertise in complex technology programs.



Vishesh Vatsal

CTO

16+ years in satellite systems & lunar mission development. Ex-IBM & TeamIndus. IIT Kanpur Aerospace Engineering Alumnus.



Awards & recognition

- ESA Phi-Sat 2 Challenge — **Winners**
- **Startup of the Year 2024** — Geospatial Artha Summit, Goa presented by G20 Sherpa Amitabh Kant
- AGBA Awards 2024 — **Innovation in AI**,
- Global Top 100 Geospatial Companies — **GeoAwesome 2024 Edition**
- **Vibe Summit 2025** — Innovation AI Winner

Backed by **30+ Team members with experience** in satellite payload systems & operations, AI/ML enabled situational awareness and geospatial intelligence.

5

Missions Flown

\$4M

Raised To Date

Series A

Current Stage



Edge AI OS and Application Platform

A hardware-agnostic edge AI software platform delivering real-time onboard inference across drones, HAPS, satellites, helicopters, and fighter aircraft — where the cloud cannot reach.

| STRATEGIC PILLARS

01 Hardware Agnostic

GPU · CPU · FPGA. No vendor lock-in. COTS deployable, no hardware refresh required.

02 DDIL Resilient

Fully operational when Denied, Degraded or Disconnected. Millisecond decisions, no round-trip.

03 SWaP Optimised

Built for Size, Weight & Power constraints of airborne and space platforms.

04 Open Architecture

MOSA-aligned. Field-updateable. Interoperable across legacy and modern avionics stacks.

| KEY DIFFERENTIATORS

Cross-Domain

Single codebase spanning drone to satellite, rotary and fixed-wing.

Retrofit Ready

Deploy on existing hardware. No fleet-wide refresh required.

Field Updateable

Push new AI capabilities as updates — even in theatre.

| PLATFORM DOMAINS

- Drone
- Haps
- Satellite
- Helicopter
- Fighter

| SUPPORTED HARDWARE

NVIDIA Jetson Orin, AGX, NX series.
High-throughput inference.

ARM & x86 embedded processors.
Runs on existing computers.

Xilinx/AMD, Intel Altera. Deterministic
ultra-low latency.



SkyServe's Missions at a Glance

Only private Indian organisation to have completed **5 successful space missions** in 5 years, planned 16 missions by Q2 -2027

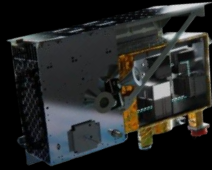
MISSION MATTERHORN



ION-SCV
Multispectral



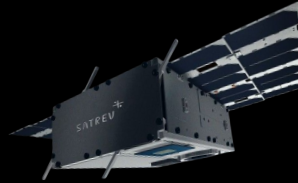
MISSION DENALI



YAM-6
Multispectral +
Hyperspectral



MISSION K2



SOWA
Multispectral



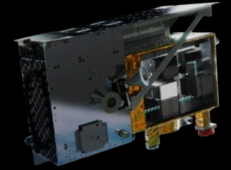
MISSION RAINIER



ION-SCV
Multispectral



MISSION URSC



YAM-6
Multispectral

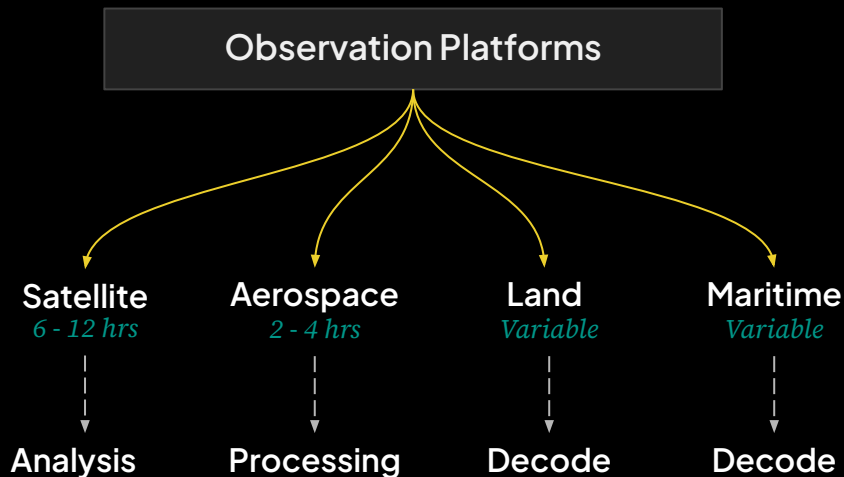


Compatible with **60+** satellite platforms

The Problem: Multi Source – No Unified Platforms

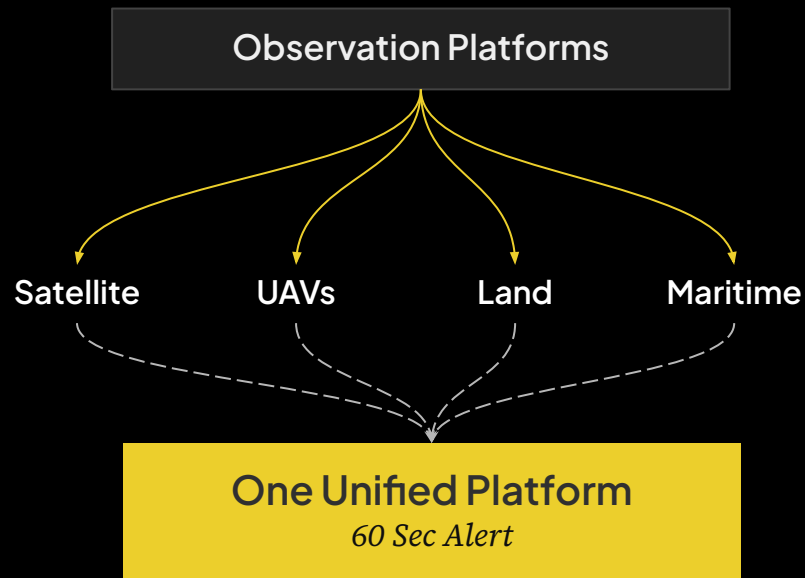


Today



- Multiple intelligence streams.
- Multiple timelines.
- No unified picture

With SkyServe



- Unified processing.
- Single decision feed.
- Real-time advantage.

The Solution: One Single Platform for Multi Sensor Data Fusion and Processing in real time



SATELLITE

DRONE

HAPS

RF NODE

SHIP

VEHICLE

One Unified Platform

(SURGE + STORM)

Edge Processing & Model Agnostic Layer

Single Alert Feed

Fused Intelligence Stream

Decision Command

Surge Develop, test, and calibrate across any sensor modality.

Storm Unified execution on heterogeneous hardware targets.

Model Agnostic Optical, SAR, RF, and HUMINT intelligence fusion for multi-domain awareness.

SkyServe Solution: Edge AI at the Source

Process at edge. Downlink only intelligence in real time



SkyServe OS

- Make any sensor across land, sea, air and space a smart sensor.
- Run applications at edge of your choice and turn data into analytics in seconds
- Heterogeneous software compatible with 60+ satellite platforms, with cross platform edge computing across Drones, HAPS, and Armoured Vehicles

SkyServe ISR Application

- Marine Map: Maritime Domain Awareness
- SPADA: Space Situational Awareness
- Garuda: Land Based Situational Awareness

SkyServe Hardware

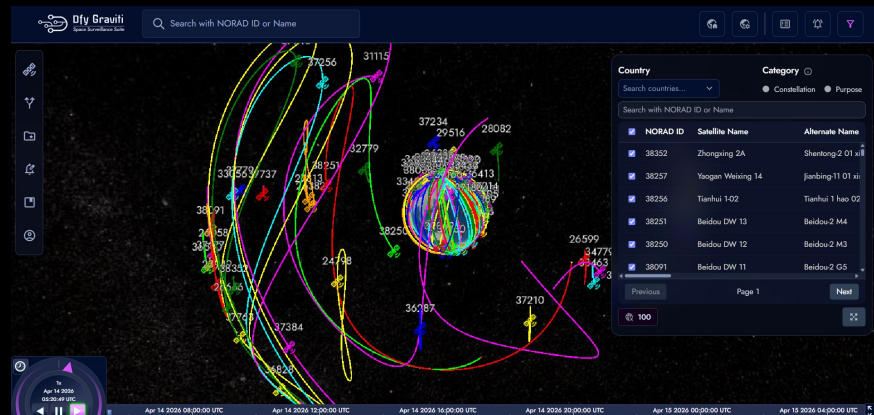
- Custom built space-grade AI (GPU-Based)
- Compact weight for ease of integration
- Works like a smart box for ISR Platforms across Land, Sea, Air and Space

SkyServe ISR Platforms – SPADA (Space Surveillance Suite)



- A unified view of multiple satellite passes and maneuvering parallelly
- Ingest satellite profile of your choice and create **database** with custom Aols, and Trajectories.
- Persistent monitoring over select Aols via SkyServe's Virtual Constellations

- **Status**
 - Deployed



SkyServe ISR Platforms – MDA (Maritime Domain Awareness)



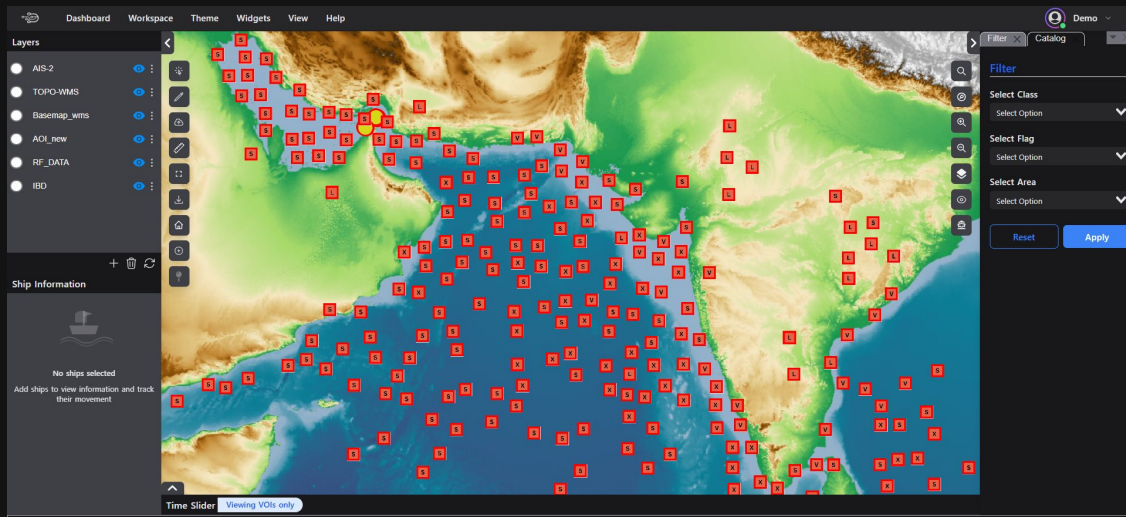
- A unified view of vessels through **multi data fusion** across sensors.
- Ingest data of your choice and create **database** with custom Aols, Vessel Class, and Flags.
- Predict past and future potential routes of the vessels of your interest

• Features

- Custom Filter Panel
- Custom Catalogue
- Datasets
- Aols Library

• Status

- Deployed



Filter

Select Class
Select Option

Select Flag
Select Option

Select Area
Select Option

Reset Apply

Filter Catalog

Catalogue

Search for datasets or AOI

My Dataset +

Area of Interest +

Activity Datasets +

System Areas +

Activity Datasets

AIS-2 +

Ship Detection +

VBD +

Trail +

SAR +

IBD +

RF_DATA +

Dataset 1 +

Dataset 2 +

ck +

1 to 10 of 10

Area of Interest

IOR +

AOL_new +

test0110 +

Test 001 +

AOI 2 +

Test +

Demo +

Test +

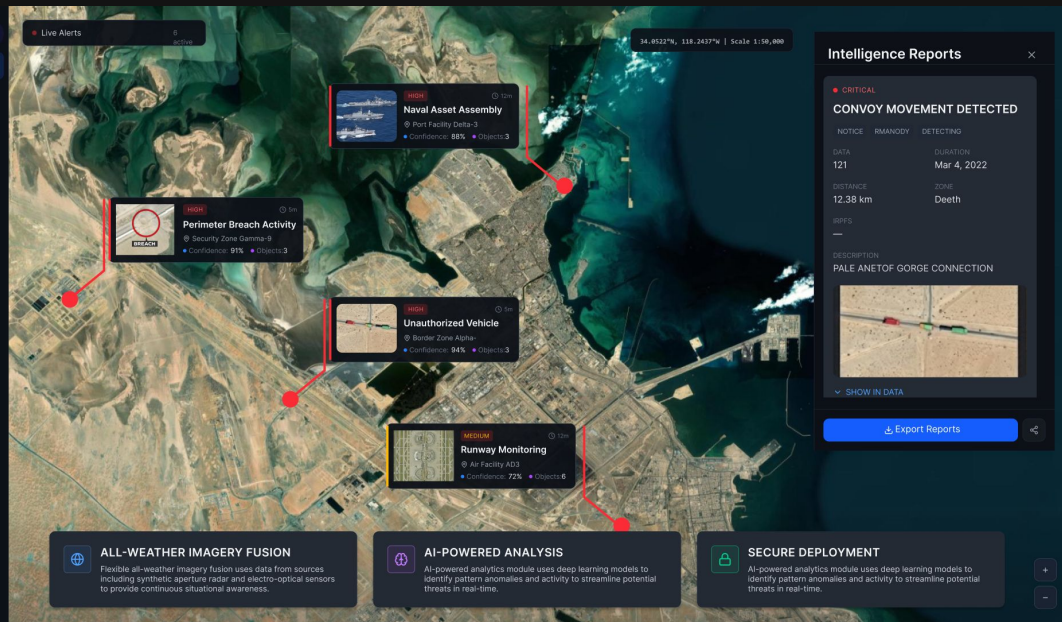
Malta_Stationary +

1 to 9 of 9

SkyServe ISR Platforms – Garuda (Land Situational Awareness)



- A unified view of events through **multi data fusion** across sensors on various platforms.
- Ingest data of your choice and create **database** with custom Aols, and Event Types.
- Persistent monitoring over select Aols via SkyServe's Virtual Constellations
- **Features**
 - Generate custom Intel reports
 - Simplified UI for multi data visualisation
 - All-weather imagery
- **Status**
 - Proposed for Deployment



SkyServe ISR Platforms – Land based Situational Awareness



- Custom built Situational Awareness System (SAS) for Infantry Combat Vehicle
- Ingest and process data in real-time from multi camera/sensor feed under 100ms
- Feature detection, and identification in real-time
- **Status**
 - Proposed for Deployment



For Visual Representation only



SkyServe

EdgeAI Suite for Every Nation

SkyServe Edge Computing Hardware, an up-qualified **NVIDIA Jetson** to work in space for indigenous applications.

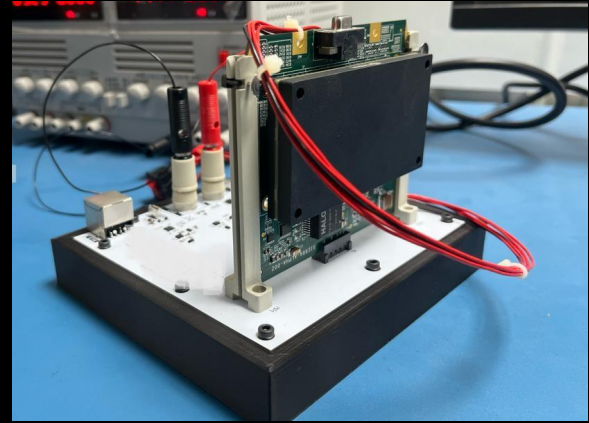


Image of Engineering Model-Nvidia Jetson GPU

Sensors



Multispectral



Hyperspectral



AIS



SAR



IoT

Edge Hardwares



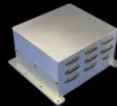
NVIDIA Jetson
ARM CPU | NVIDIA Pascal GPU



Unibap iX Series
AMD CPU | AMD GPU | AMD VPU



Ramon Space Nupod
ARM CPU | Versal AI Acc



Xiphos
ARM CPU | Zynq UltraScale

SkyServe's Edge AI Suite **compatibility** with various sensors & commercial edge devices for Space

Path Ahead

Plug your sensor feed in. Get actionable intelligence out in **real time**

partner@skyserve.ai



SkyServe

www.skyserve.ai