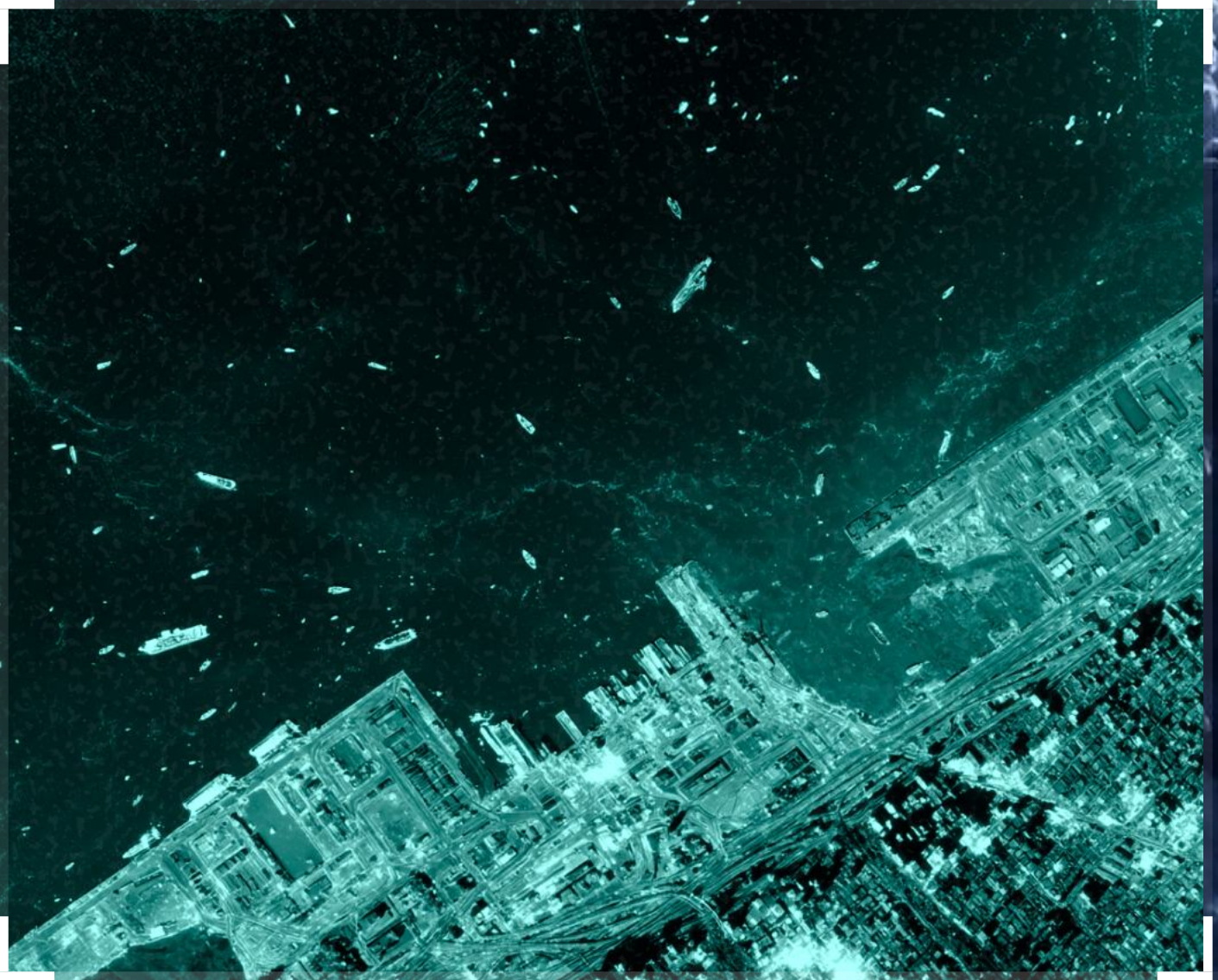


SAR Systems, Built Around Your Mission.

We deliver persistent, all-weather, day-and-night intelligence to defence, government, and commercial operators — through systems tailored to your requirements.



Persistent surveillance, in any condition

SAR (Synthetic Aperture Radar) is a remote sensing technology that sees through clouds, smoke, forest cover, and complete darkness. Unlike optical sensors that rely on sunlight and clear skies, SAR provides uninterrupted, 24/7 surveillance in any weather condition.



What an optical satellite sees



What a SAR system sees

SAR – Purpose-Built for your application

Most SAR systems are engineered to solve for multiple use cases through a single system. That's exactly why they fall short.

Every application has fundamentally different needs. Maritime prioritises wide coverage. Earth observation prioritises resolution. A single generalist system cannot serve them all well.

So, we start with the problem and engineer backwards. The result: systems optimized for the mission, designed in-house, at a fraction of what incumbents charge.

“PierSight’s systems have been trusted with contracts worth \$100M+ by government agencies & commercial operators across India, the USA, Vietnam, and more.”

VARUNA

Constellation of 32 SAR + AIS satellites, purpose-built for persistent maritime surveillance, for naval agencies, maritime operators & shipping intelligence. Launching Q1 2027.

TECH OVERVIEW:

- X-Band Frequency
- ~1mt Resolution
- 30mins Revisit Time
- 3840×50km Coverage
- On-board SAR+AIS Data Fusion

USE CASES:

- EEZ Surveillance
 - Oil Spill Detection
 - IUU Fishing Monitoring
 - Shipping Operations
 - Maritime Insurance
-



VIDURA

SAR payload that can be mounted on any drone, built for foliage penetration surveillance, for on-ground defence operators. Available now.

TECH OVERVIEW:

- P,L,X - Band Configurations
- ~1mt Resolution
- 10km swath at 1km height
(5km FOPEN swath)
- 5kg payload
(Compatible with UAV Groups 2+)
- Human Detection (Coming Soon)

USE CASES:

- Foliage Penetration
 - Cross-Border Surveillance
 - Counter Insurgency
 - Tactical Reconnaissance Missions
 - Counter Narcotics
 - Smuggling Detection
-



SANJAY

SAR satellites, built for terrestrial surveillance & imaging, for defence, and disaster management operators. Launching 2028.

TECH OVERVIEW:

- X-Band Frequency
- ~1mt Resolution
- ~10 hour revisit, with 2 satellites
- 20km Swath

USE CASES:

- Disaster Monitoring & Assessment
- Defence Applications
- Rapid Flood Mapping
- Landslide Detection
- Infrastructure Damage Assessment

Quick Note: PierSight has been awarded the contract to supply SAR satellites for India's First Earth Observation Constellation under the public-private partnership (PPP) model - its first sovereign SAR programme. Several other nations have expressed interest in PierSight building equivalent sovereign SAR systems.

Built by a team that designed and powered landmark space missions across ISRO & NASA.

FOUNDING YEAR

2023

TEAM SIZE

85+

INVESTMENT RAISED

\$ 10M

PIPELINE OF CUSTOMERS

\$ 100M+

Our team members are proud to wear mission patches from:

RISAT-1

India's first indigenously developed radar satellites



NASA-ISRO SAR collaboration for earth observation (EO)

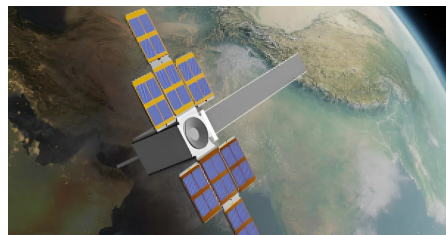
CHANDRAYAAN-3

India's first lunar landing

Achievements & Recognitions



Indus X Winners in India & US Defense Challenge in Maritime ISR



SAR provider for India's first indigenous Earth Observation constellation.



Varuna - our SAR+AIS in-orbit tech demo-launched in Dec 2024, aboard ISRO's POEM platform.

PIERSIGHT

On a mission to democratize SAR, empowering nations with persistent ISR

Reach out to our team with any questions about SAR data, explore its use cases, or build a solution tailored to your needs.

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