

DHRUVA

S P A C E



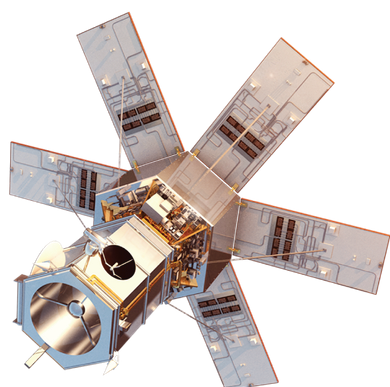
DIVERSE PAYLOADS
DISTINCT SPACE MISSIONS

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FULL-STACK SPACE ENGINEERING SOLUTIONS



BUILD

Satellite Platforms & Subsystems

- Design to Specification
- Assembly & Integration
- Testing & Qualification
- Constellation Design
- Inter-Satellite Links



LAUNCH

Separation Systems & Launch Facilitation

- CubeSat deployers
- SmallSat deployers
- Regulatory support
- Launch liaisoning

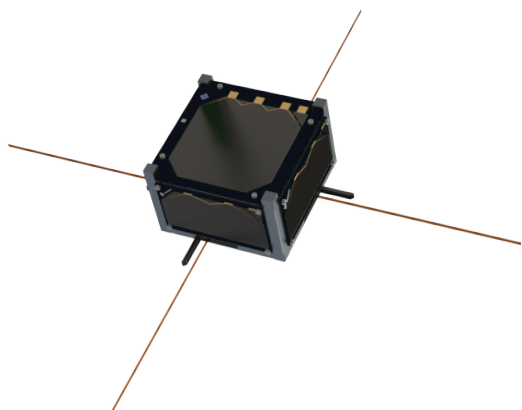


OPERATE

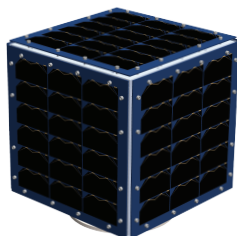
Ground Station Solutions

- Earth Station Infrastructure
- Integrated Space Operations & Command Suite (ISOCs)
- Remote-operable global network

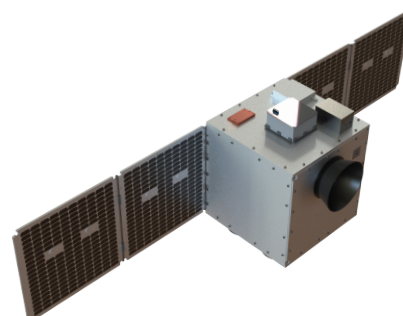
Satellite Platforms



CUBESAT
P-DoT



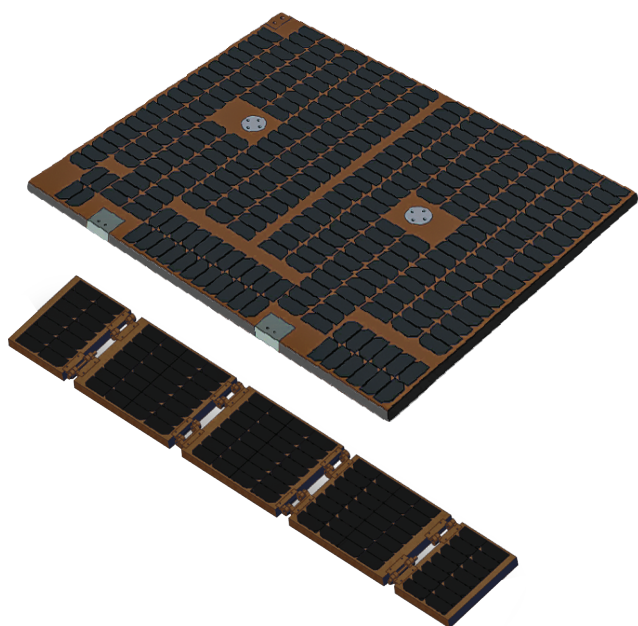
NANOSAT
P-30



MICROSAT
P-90

- Reliable, scalable & modular
- Supporting missions up to 300 kg
- Faster lead time and Constellation ready

Solar Arrays



- Mission specific customization
- High design flexibility
- Up to 2.1 kW
- ITAR-free

SATELLITE SOLAR ARRAYS

Ground Stations



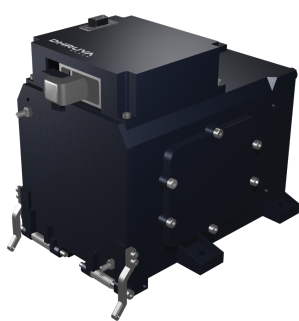
VHF/UHF Earth Station



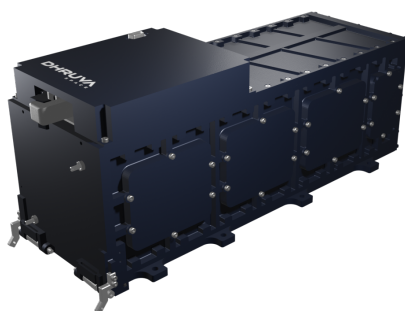
High Fidelity Stations

- Real-Time Satellite Tracking
- Configurable as Mobile Stations
- Orbital Path Prediction
- High data rate downlink
- Remote access
- Integrated Space Operations & Command Suite (ISOCS)

Satellite Deployers



1U Deployer
DSOD - 1U



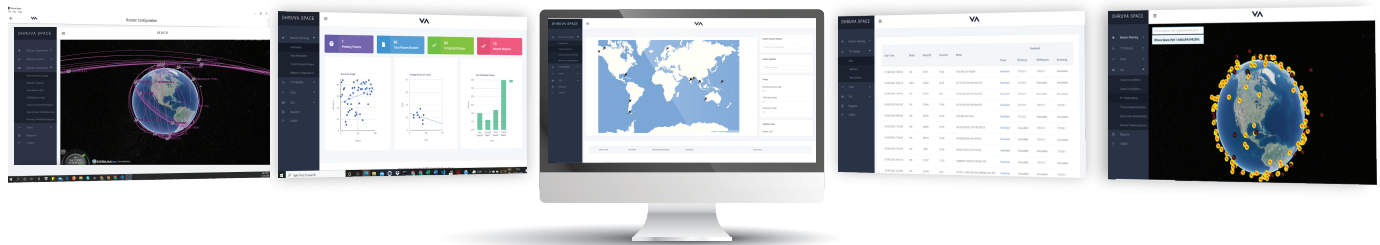
3U Deployer
DSOD - 3U



12U Deployer
DSOD - 12U

- Rapid build, assemble & deploy capabilities
- Low-shock Hold Down & Release Mechanisms (HDRMs)
- Launch on PSLV / SSLV / Vikram / Soyuz / International Space Station (ISS)

Integrated Space Operations & Command Suite (ISOCS)



SPACE OPERATIONS

- Integrated Global Network
- Live TLE integration
- Pass prediction
- Remote control
- Live-streaming
- Scheduling
- Weather
- Reports

MISSION CONTROL

- Telemetry & Telecommand
- Mission automation
- Secure data transfer
- Post-processing data with ML / AI Integration
- Custom decode
- Historical data
- Visualisation
- Scheduling

SPACE SITUATIONAL AWARENESS

- Event generation
- Threat assessment
- Re-entry prediction
- Orbital path prediction
- Space object catalogue
- Swath analysis
- RF collision
- Historical data

Integrated Space Operations & Command Suite (ISOCS) enables virtual and remote operations including Telemetry Downlink, Telecommand Uplink and Real-Time Satellite Health Monitoring.

ISOCS interfaces with a global network of partner Ground Stations for seamless mission operations.



About us

Dhruva Space Private Limited is a National Award-winning Space Technology company focused on building full-stack Space Engineering solutions. The company is based out of Hyderabad, India, and Graz, Austria. We are actively involved in realising Space missions in India and around the world.

Our vision is to offer Satellites coupled with Earth stations and Launch services as an integrated solution or individually as a technology solution to power Space-based applications on Earth and beyond.

Our Partners



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