



GISTDA

AGENCY REPORT

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Geo-Informatics and Space Technology Development Agency (Public Organization)

Thailand Space Expo 2025 x 17th AO GEO Symposium

15 - 18 October 2025, Bangkok



THEOS-2A

Mission and System



Reference Orbit : ~ **520km** altitude
Sun-Synchronous Orbit; 10:30 am
LTAN; 97.65-degree Inclination

Primary Payload



Earth Observation

High resolution imager
with **1.18 m** with the **VIDEO**

Secondary Payload



AIS and ADS-B

Third Payload

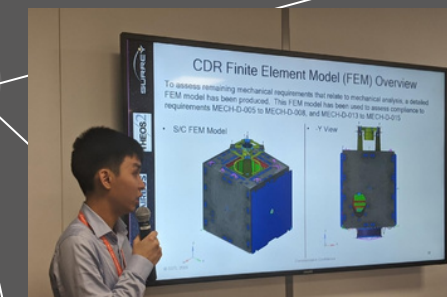
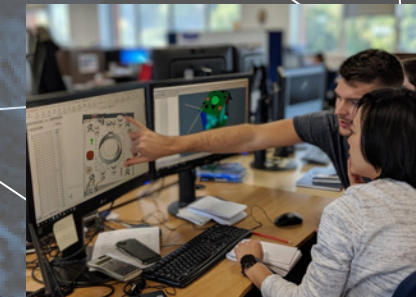


Experiment Payload

Technology Transfer



16 engineers are transferred knowledge by SSTL
since design until assembly integration and test



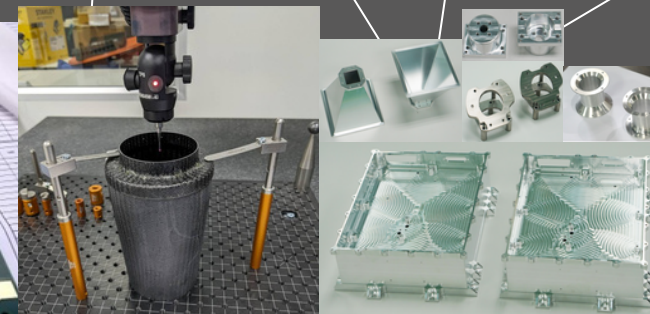
Infrastructure



Thailand Assembly Integration and Test (AIT)
has ben used to tested THEOS-2A



Local Manufacturing

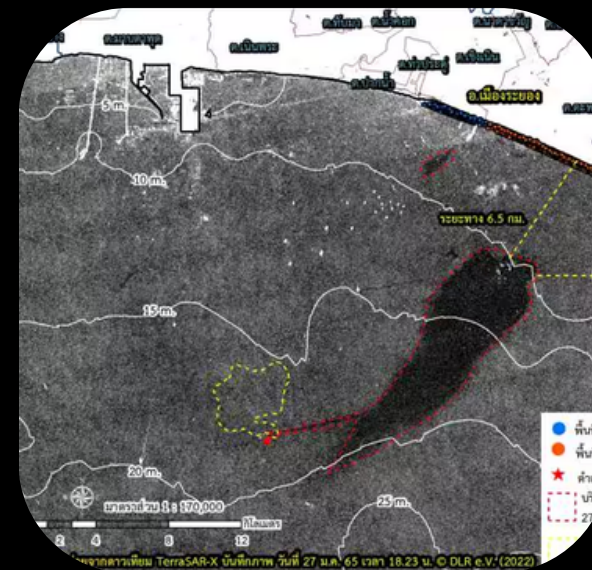


Launch Plan: December 2025
Satish Dhawan Space Centre, India

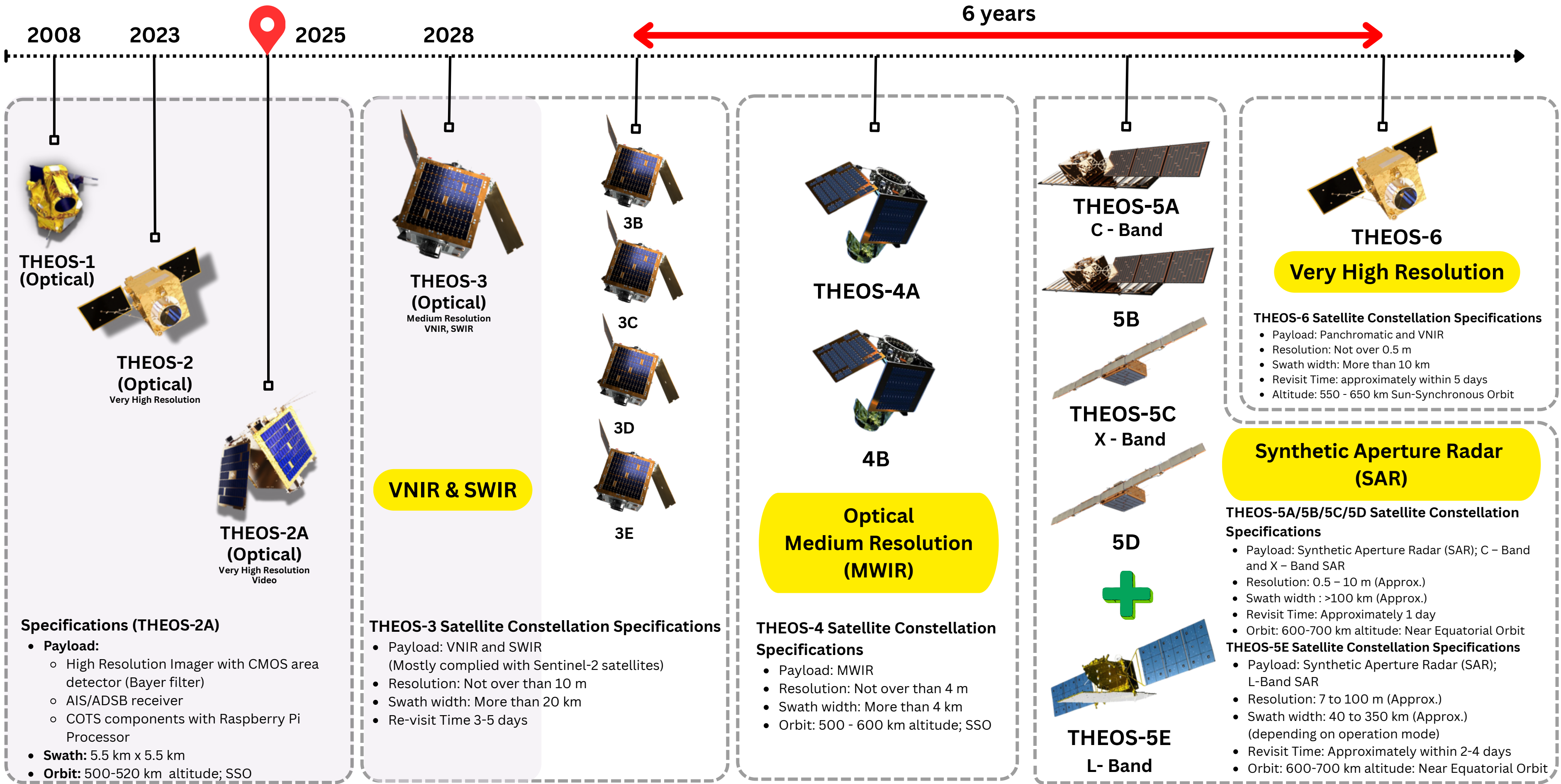
THAILAND'S EARTH OBSERVATION SATELLITE PROGRAM

National Needs

- Access to accurate, comprehensive, and timely data
 - Diverse datasets covering all areas and are regularly updated
 - SAR sensors capable of operating under all weather and lighting conditions
- Needs from government in 3 aspects;
 - Agricultural Management
 - Natural Disaster Management and National Security
 - Natural Resources and Environmental Management



THAILAND'S EARTH OBSERVATION SATELLITE PROGRAM



Reference: C - Band from Dragonfly-C - Dragonfly Aerospace, X-band from ICEYE X1

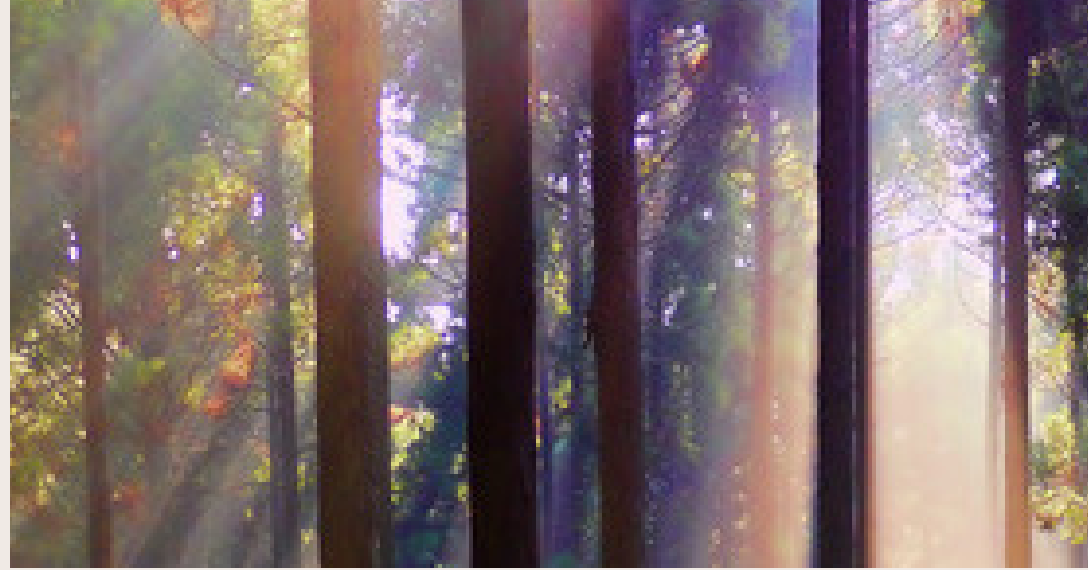
Scientific & Technical Subcommittee (STSC), COPUOS



Outer Space
in United Nations

Thailand will serve the Chair of
Scientific & Technical Subcommittee
(STSC) of COPUOS in 2026

- Space sustainability
- Space debris and space traffic
- Lunar activities consultation

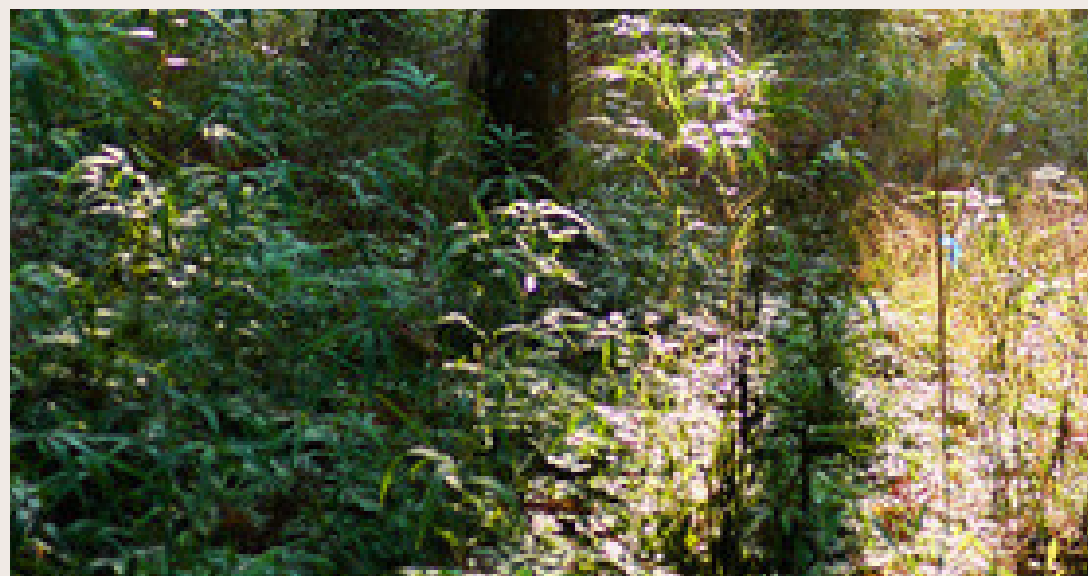


GEO-TREES SYMPOSIUM - ASIA AND THE PACIFIC WORKSHOP

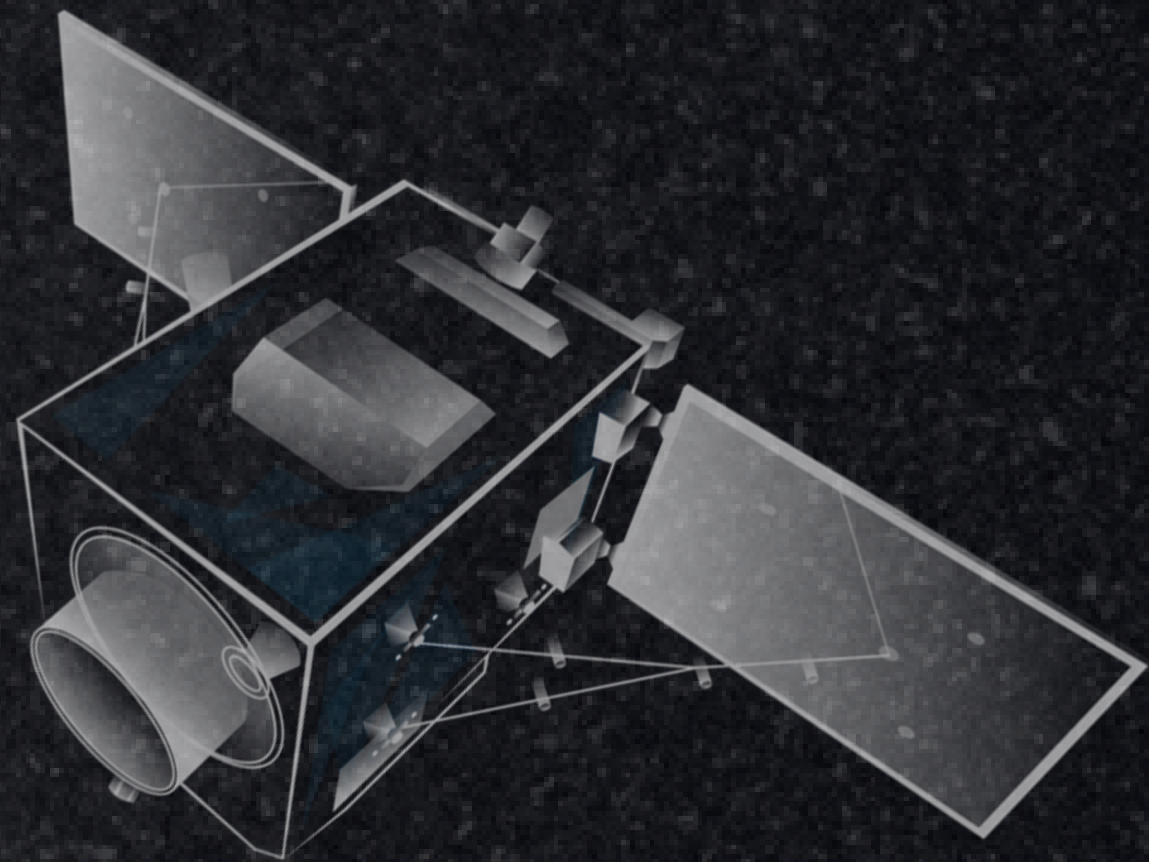
Date: 14 - 21 October 2025 Place: Bangkok and Chiang Mai, Thailand

GEO-TREES COMMUNITY

ACTIVITIES



(Draft) Thailand Space Act



Principles and Justification

- **Economic Growth and Global Competitiveness**
- **International Treaty Compliance**
- **Protection of National Interests**
- **Domestic Space Governance**

(Draft) Thailand Space Act

Key Structures in the Space Activities Act

- National Space Policy Committee
 - Chaired by the Prime Minister
 - Responsible for formulating national space policies and development plans
- Office of the National Space Policy Committee
 - A newly established legal entity
 - Serves as the coordinating body, licensing authority, and regulator of space activities
- Space Activities Promotion Fund
 - Supports research, capacity building, and the advancement of space-related initiatives within Thailand

Key Areas Covered by the Law

- Launch and Transportation of Space Objects
 - (e.g., rockets and other launch vehicles)
- Registration of Space Objects
 - (e.g., satellites and related equipment)
- Oversight of Safety, Standards, and Environmental Protection
 - Ensures compliance with technical and environmental requirements
- Liability Provisions for Damages Arising from Space Activities
 - Establishes responsibility in cases of harm caused by space operations



GISTDA

Thank you
www.gistda.or.th

GEO-INFORMATICS AND SPACE TECHNOLOGY DEVELOPMENT AGENCY (PUBLIC ORGANIZATION)