



CREATING THE AIRBUS OF AFRICA

SA Space Conference 2025

PRESENTED BY: James Barrington-Brown

Date: 21st August 2025

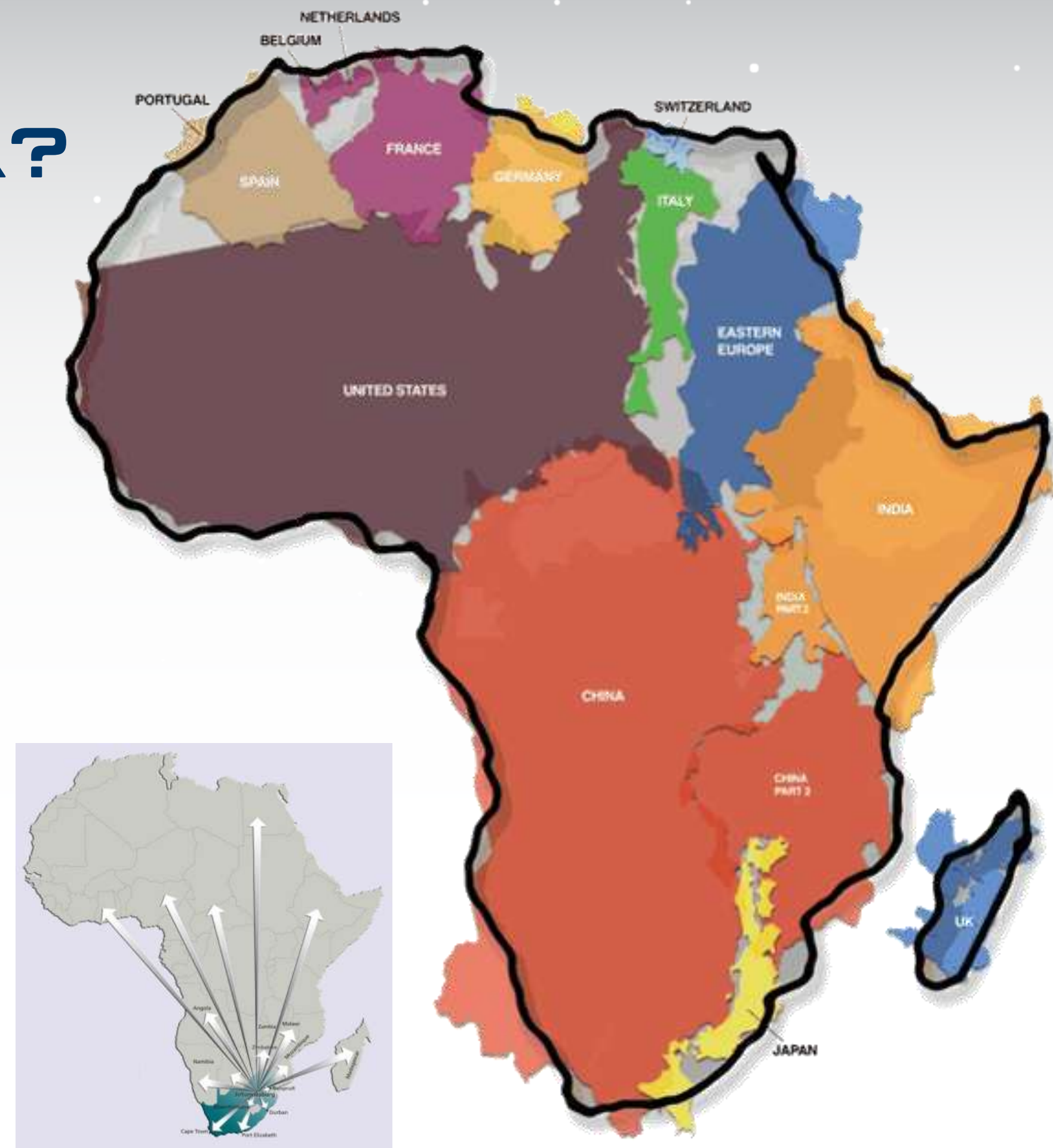
ABOUT NEWSPACE

- Largest African Space Company
- 10K Components on +/-20% of global satellites
- **Achieved in <10 Years**
- Start-up, Scale, Sell
- Put South Africa 'on the Map'
- **Lessons Learnt:**
- International Market Knowledge is Key
- Employment and Skills transfer
- Transformation and Gender Equality
- Profitable – **Pays Taxes**
- Foreign Direct Investment
- US Dollar Sales Supports Currency



WHY (SOUTH) AFRICA?

- Agriculture
 - Communications/Education
 - Urban Planning
 - Resource Identification
 - Forestry
 - Maritime/Air Surveillance
 - Disaster Management
-
- **Societal Resilience**
 - **Transformation**
 - **National Intelligence**



DSTI - TEN YEAR GOALS

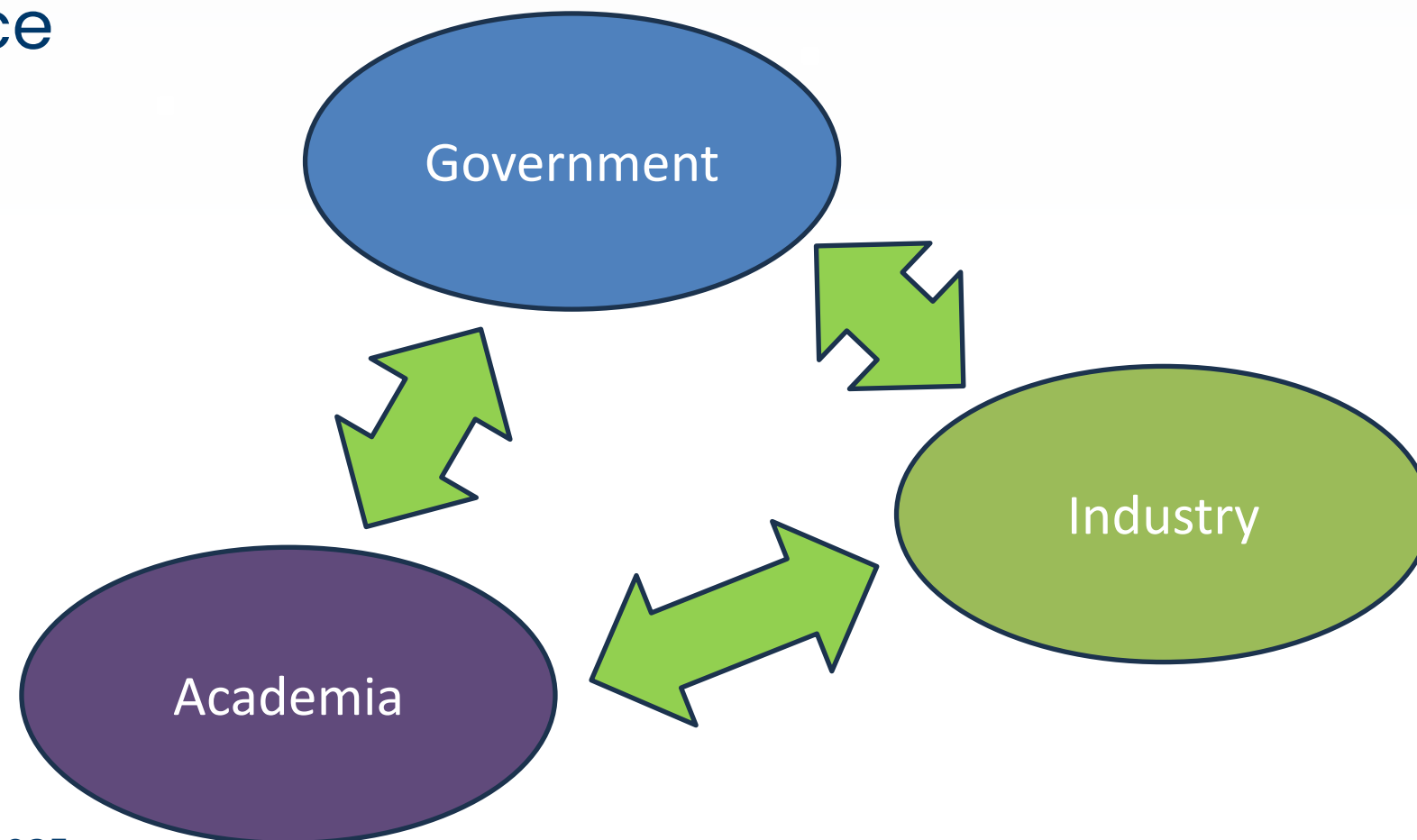
- **Independent high-resolution EO data available for all of Africa from a constellation of satellites designed and manufactured in Africa.**
- Undertake at least one launch from South African territory (in partnership with another space nation) and have in place a 20-year launch capability plan.
- Specified and co-built a domestic/regional communications satellite and secured a launch date and ITU approval for its operations

POLICY BACKGROUND

- Industry engagement boosts competitiveness, **job creation**, and technology transfer.
- Government **alone** cannot meet funding, skills, and infrastructure needs for a vibrant space ecosystem.
- Equipping **industry** to build satellites supports **local** manufacturing and reduces reliance on imports.
- Policy documents (National Space Policy/Strategy, Space Affairs Act) recognise **Public Private Partnerships** as critical to expanding space capability.
- **Agenda 2063** calls for science, technology, and innovation **partnerships** (with industry) to drive socio-economic transformation.
- **Industry is the Catalyst**

NEW CHAPTER

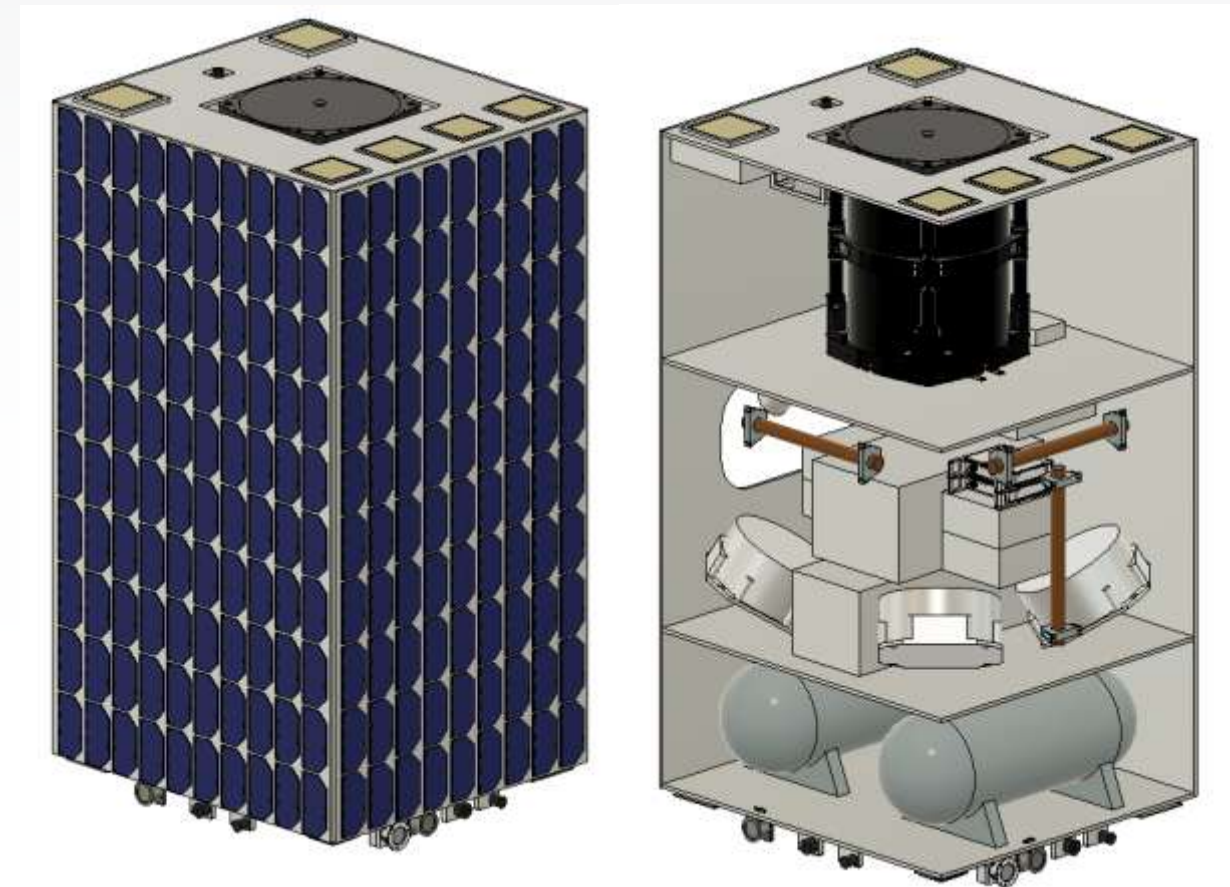
- New Goal
 - Enable A National Space EcoSystem
 - 1st, 2nd and 3rd Tiers
 - Upstream and Downstream
 - Industry, Academia & Government
-
- NewCraft Aerospace
 - Cape Constellation Incubator
 - Mura Space



ABOUT NEWCRAFT

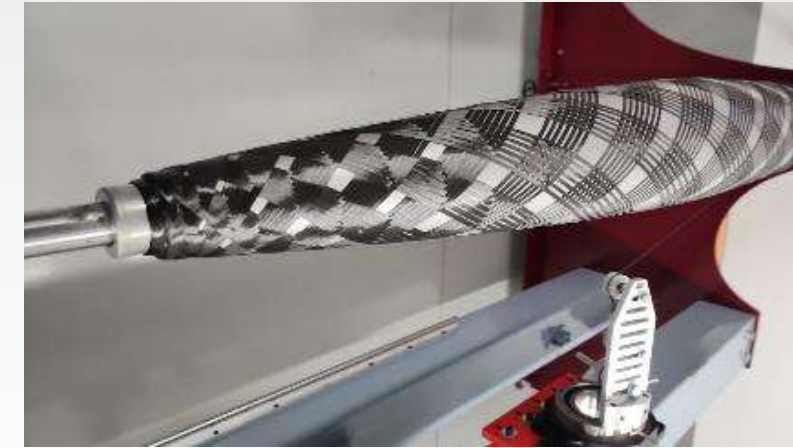


- **NewCraft** founded 2024
- Black female owned (BEE Level 2)
- Majority SA shareholding
- IP Independent Aerospace Manufacturer
- Airbus Subcontracts >80%
- Target markets:
 - Spacecraft constellations
 - Launch Vehicles
 - UAVs
 - Defence



THIRD TIER INVESTMENTS

- **Horizontal Business Model** (Airbus)
- Massively Lowers Overheads
- Stand-Alone Businesses
- Independently Sustainable
- Transformational
- Encourages Competition – Start-Ups
- Distributed manufacturing assets
- Centralised Assembly, Integration and Test
- Geographically Scalable



Composites



Electronics & Harnessing



3D Metal Printing

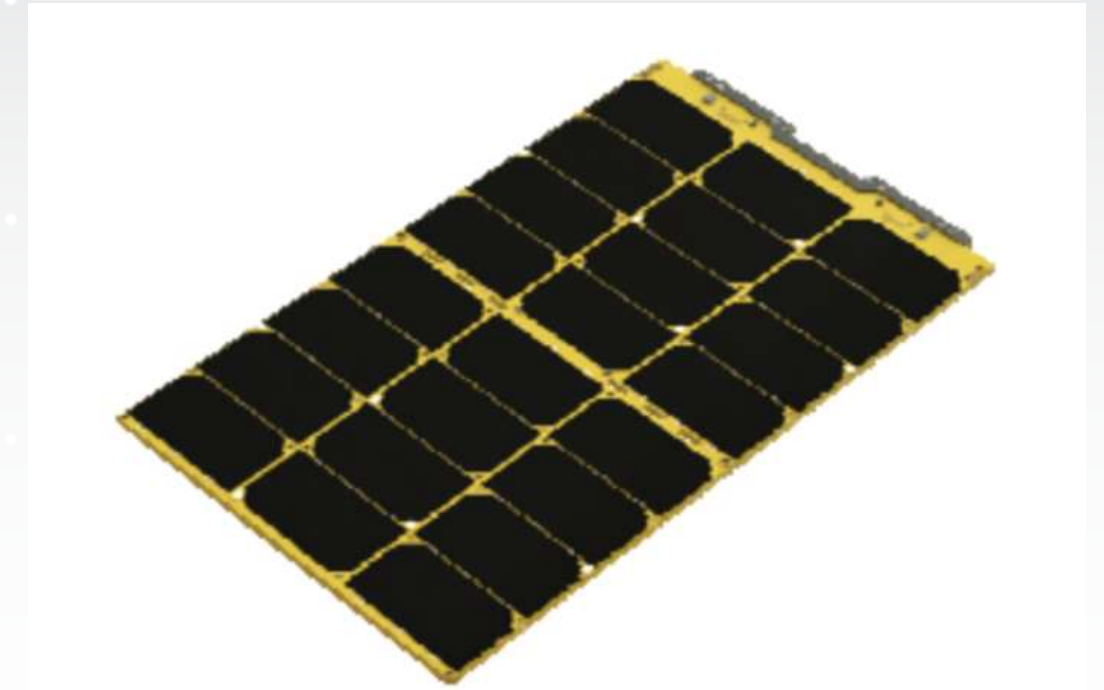


Precision Machining

SECOND TIER & DOWNSTREAM

- **2ND TIER**

- Payload Processors
- RF Antennas
- Power Systems
- Upstream Start-Ups
- (Creates **Sovereign** Capability)



- **DOWNSTREAM**

- AgriTech
- Security
- STEM Education



CAPE CONSTELLATION

- Q1 2026 Move into NewSpace facility
 - ISO 14644-1 Class 7
- Co-location of Start-ups with MAIT
 - Shared Reception
 - Shared Canteen
 - Shared Meeting Rooms
 - Easy in-out Office Lease
- **Mentorship and Skills Transfer**
- Geographically Scalable

