

NEWCRAFT
AEROSPACE

CREATING THE AIRBUS OF AFRICA

SA Space Conference 2025

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science, technology
& innovation

Department:
Science, Technology and Innovation
REPUBLIC OF SOUTH AFRICA



SANSA
SOUTH AFRICAN NATIONAL
SPACE AGENCY



sa air force

Department:
Defence
REPUBLIC OF SOUTH AFRICA



NEOSS

NATIONAL EARTH OBSERVATIONS
AND SPACE SECRETARIAT

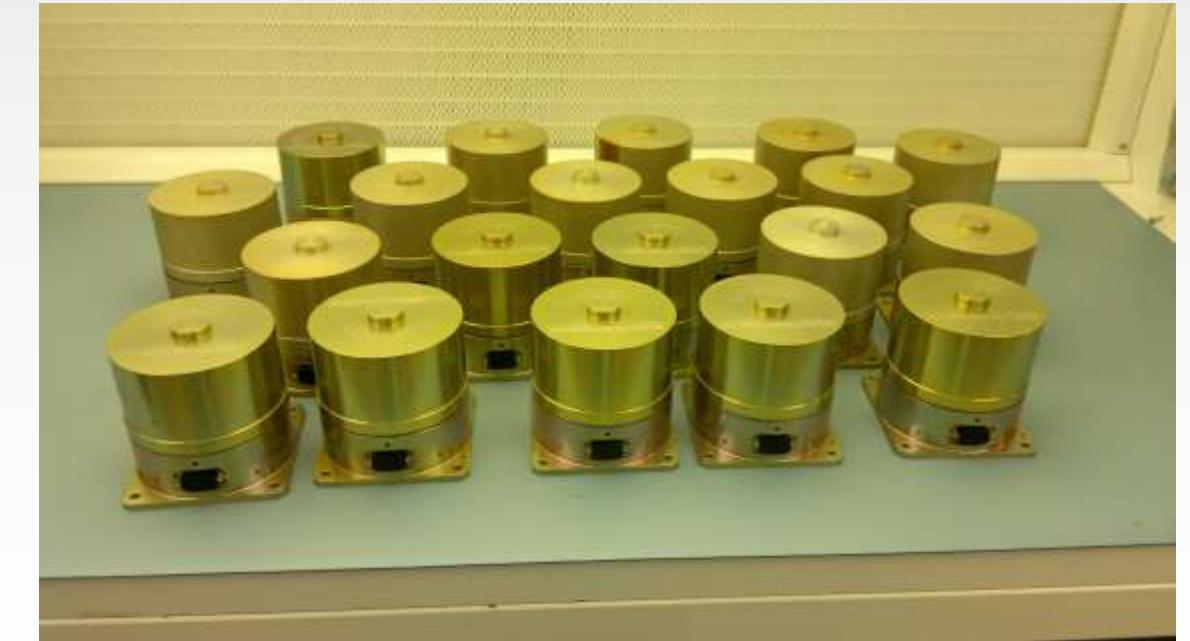


CSIR

Touching lives through innovation

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

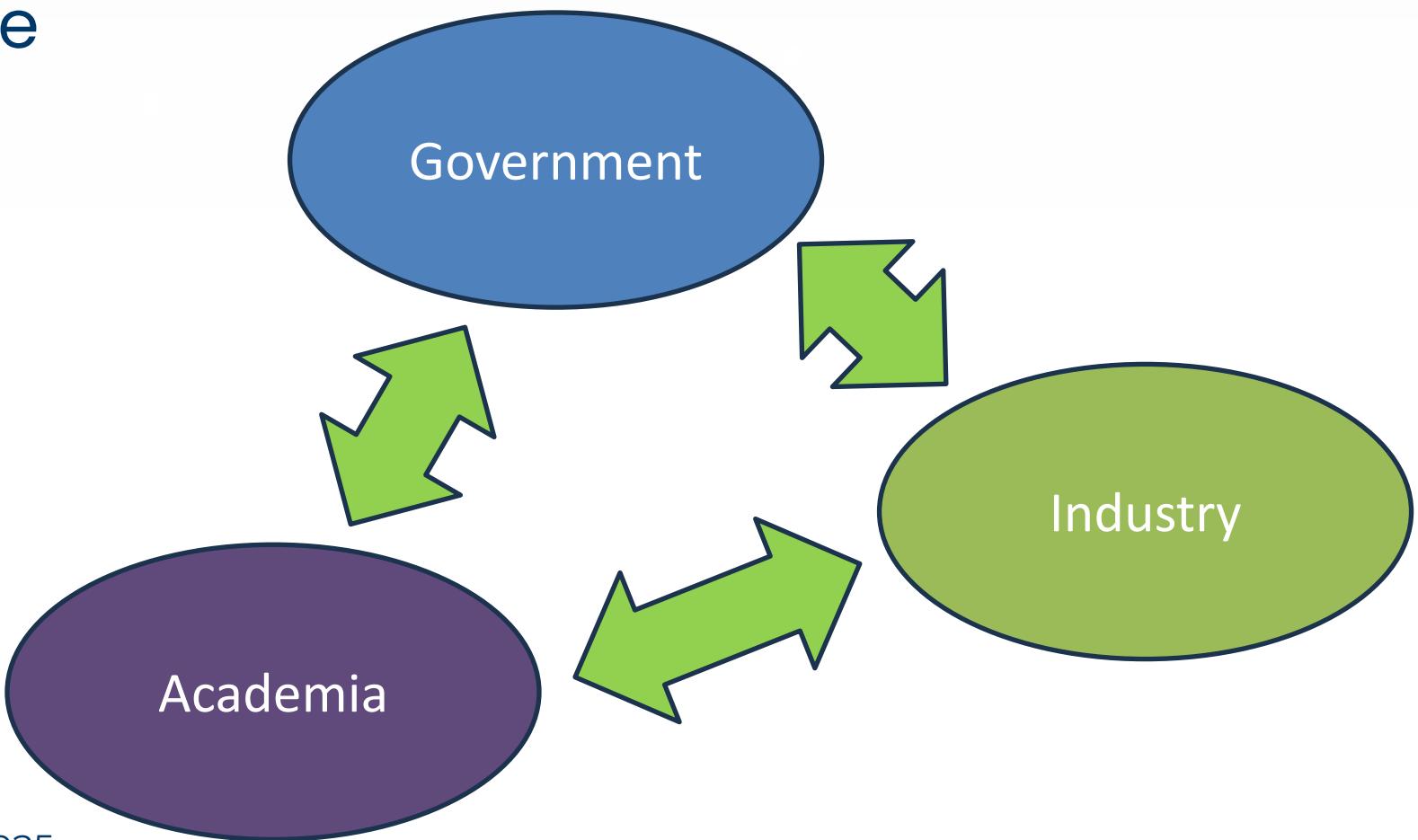
POLICY BACKGROUND

- 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

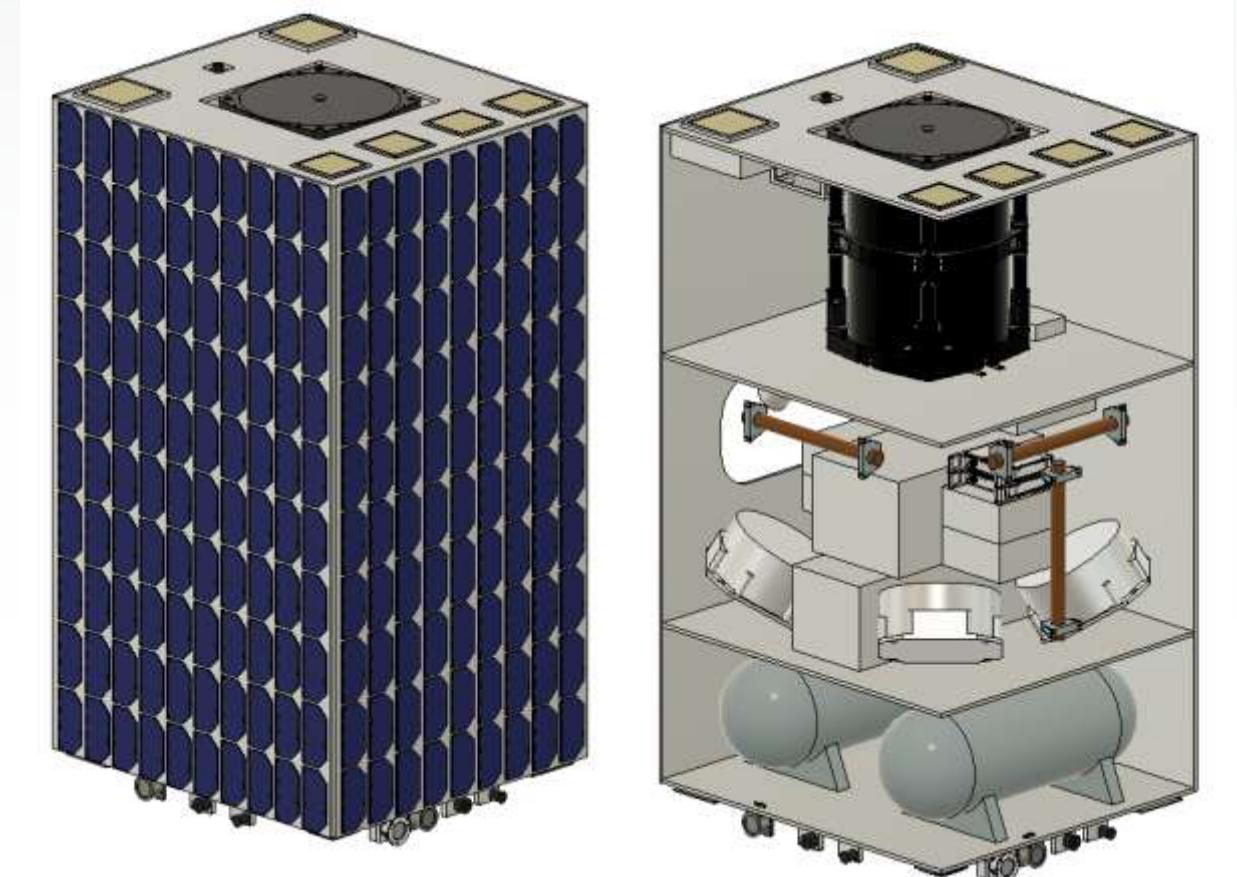
- NewCraft Aerospace
- Cape Constellation Incubator
- Mura Space



ABOUT NEWCRAFT

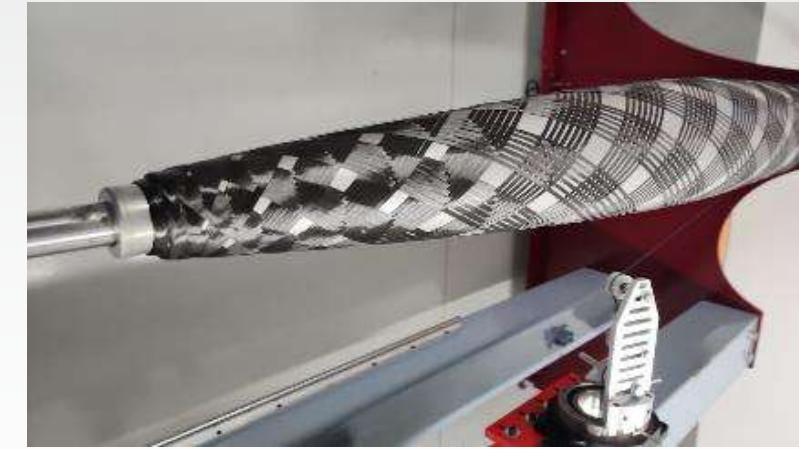


- **NewCraft** founded 2024
- Black female owned (BEE Level 2)
- Majority SA shareholding
- IP Independent Aerospace Manufacturer
- Airbus Subcontracts >80%
- Target markets:
 - Spacecraft constellations
 - Launch Vehicles
 - UAVs
 - Defence



THIRD TIER INVESTMENTS

- **Horizontal Business Model** (Airbus)
- Massively Lowers Overheads
- Stand-Alone Businesses
- Independantly Sustainable
- Transformational
- Encourages Competition – Start-Ups



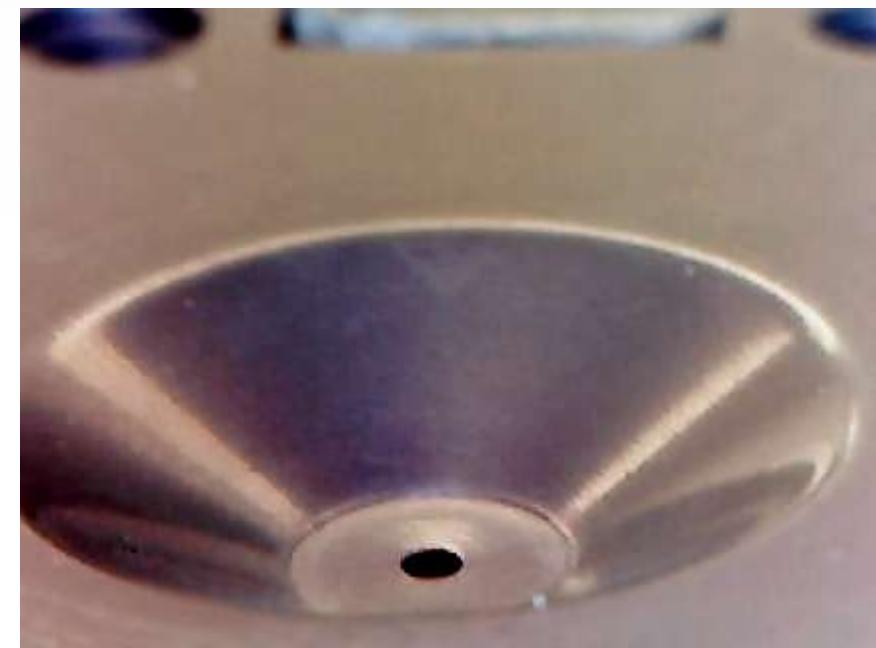
Composites



Electronics & Harnessing



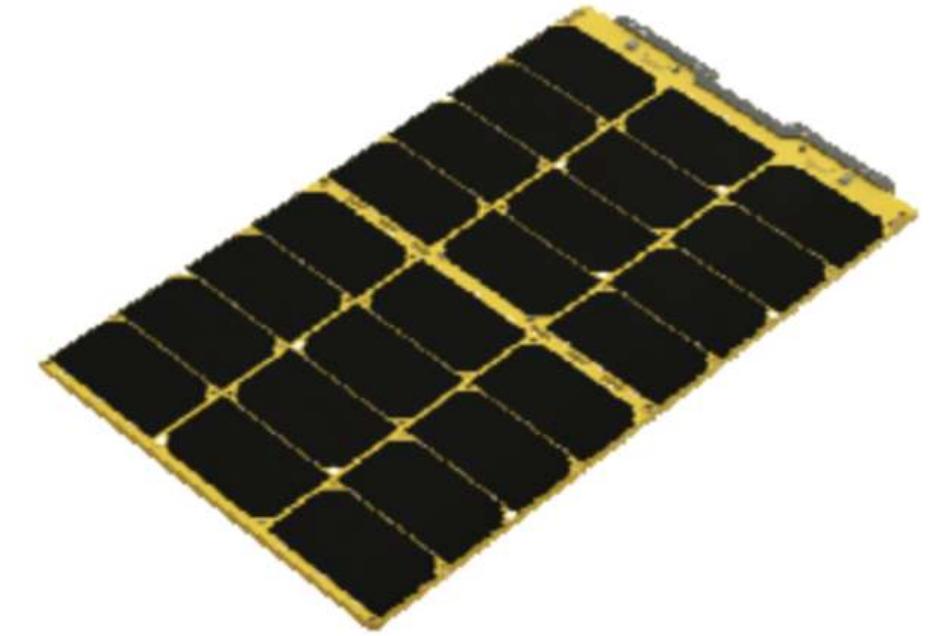
3D Metal Printing



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

