



SOUTH SUDAN'S EMERGING PATH INTO THE SPACE ECONOMY

How South Sudan is building the ecosystem that will make its first mission sustainable

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WHY SPACE MATTERS!

For South Sudan, Space is a Critical Infrastructure.



A young nation with vast and largely underserved market



Connectivity reality

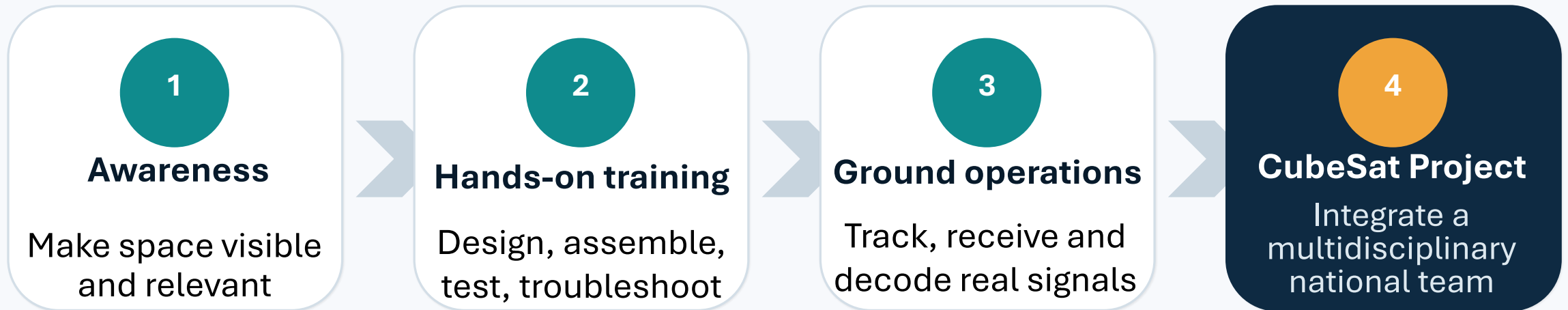
- Limited terrestrial fibre reach
- High cost for remote areas
- Very Dispersed communities
- Satellite is the most feasible

**Space is not a luxury agenda.
It is already part of our
development infrastructure.**

THE MODEL

Our Entry Strategy: Project-based Learning

A practical pathway inspired by hands-on CubeSat education



The CubeSat is not the destination. It is the training ground.

One project connects engineering disciplines, institutions and real-world mission practice.

VALIDATION BEYOND SOUTH SUDAN

Proof that the model can travel



NewSpace Africa

EduSat exhibited
in Gabon

Universities

100 Students
trained

Space Agency

Engineering
Staff trained

Practical satellite engineering can be made accessible even before sophisticated national infrastructure exists.

STARTING SMALL - BUT STARTING PRACTICALLY

South Sudan: from awareness to participation

Engineers & Lecturers



Validate technical depth
and training needs

Assess

University students



Move from theory to
integrated systems

Train

Secondary students



Create early exposure and
aspiration

Inspire

We used demonstrations to learn what the national training pathway should look like.

INSTITUTIONALISING THE EFFORT

From demonstrations to a permanent home



Dedicated Space Engineering Laboratory at the University

A physical anchor for training, integration, research and mission dev't

**Two institutions.
One national objective.**

1

University of Juba

Academic leadership, students,
research & training environment

2

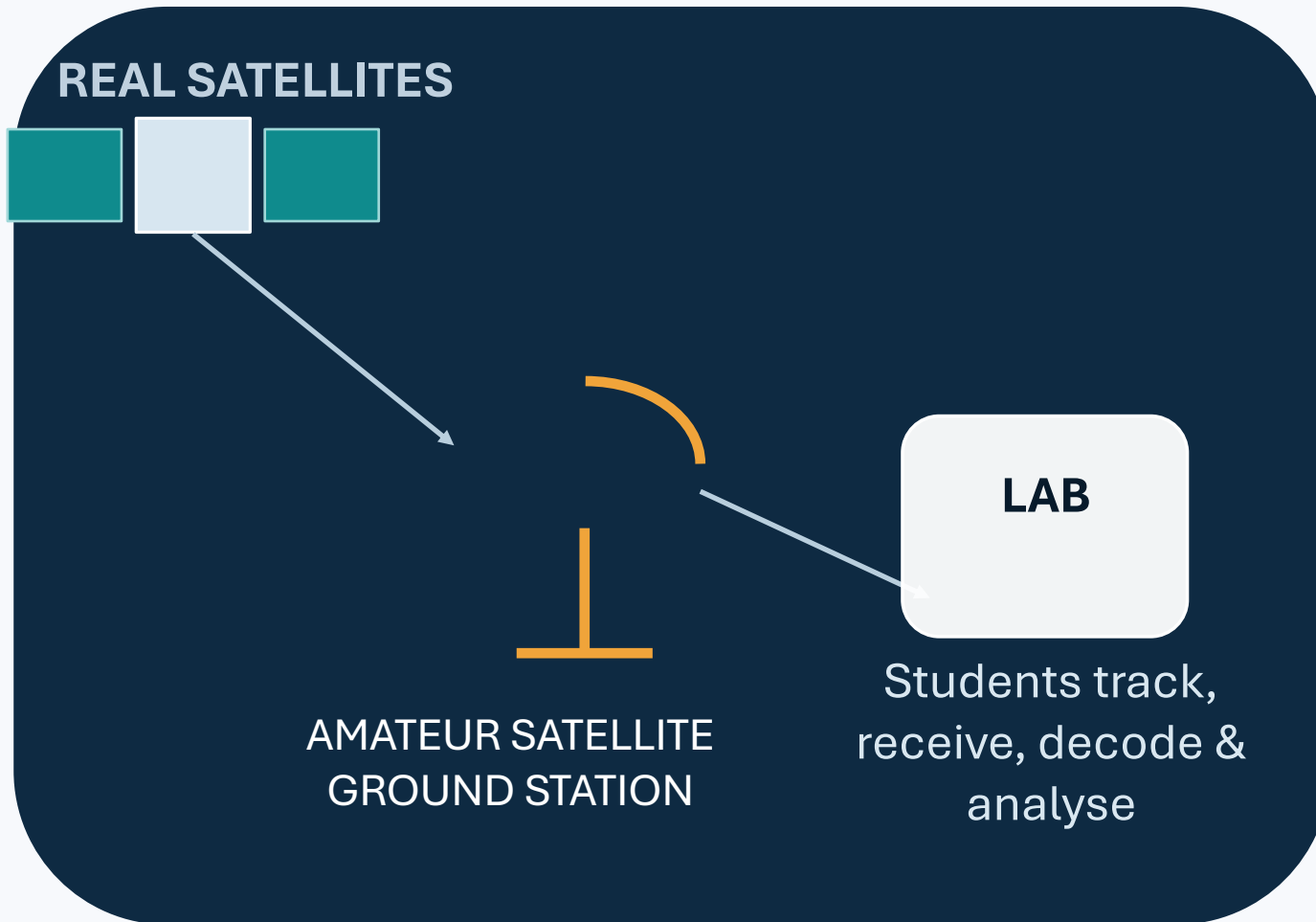
National Comm'tion Authority

Institutional support, regulatory
perspective and strategic
coordination

**The facility gives the programme
continuity beyond one-off events.**

THE NEXT LAYER

Add a ground station — and the classroom reaches orbit



1

Partner-supported ground station

Commitment received from one foreign embassy to fund the ground station

2

Amateur radio club

A practical pathway for radio operations, discipline and student participation.

3

Volunteer expertise

Experienced amateur operators in South Sudan have offered time to train students.

A CONCRETE INVITATION

The initiative has started, the next step is to accelerate it with the right partners.

EQUIP

Laboratory & ground segment

Test equipment
Engineering tools
Ground-station hardware
Software & licences

MENTOR

Specialist knowledge

CubeSat systems
Integration & testing
Mission operations
GIS / remote sensing

HOST

Mobility & exposure

Student placements
Research exchanges
University partnerships
Mission-team attachments

FUND

Scale the programme

Training cohorts
Mission seed funding
Equipment procurement
Research activities

We are seeking partners to help South Sudan build the people who will build the country's Space Sector

SUCCESS IS NOT NECESSARILY ONLY A LAUNCHED SATELLITE!

“The greatest contribution of a CubeSat may be the capability it leaves behind on Earth”

Knowledge, Confidence, Institutions, A new generation of engineers.

**South Sudan has started
We invite you to become part of our journey**

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