



REPÚBLICA DE ANGOLA  
MINISTÉRIO DAS TELECOMUNICAÇÕES E DAS TECNOLOGIAS DE INFORMAÇÃO  
GABINETE DE GESTÃO DO PROGRAMA ESPACIAL NACIONAL



# GGPEN SATELLITE ACTIVITIES

Angolan National Space Management Office (GGPEN)

# CONTENT

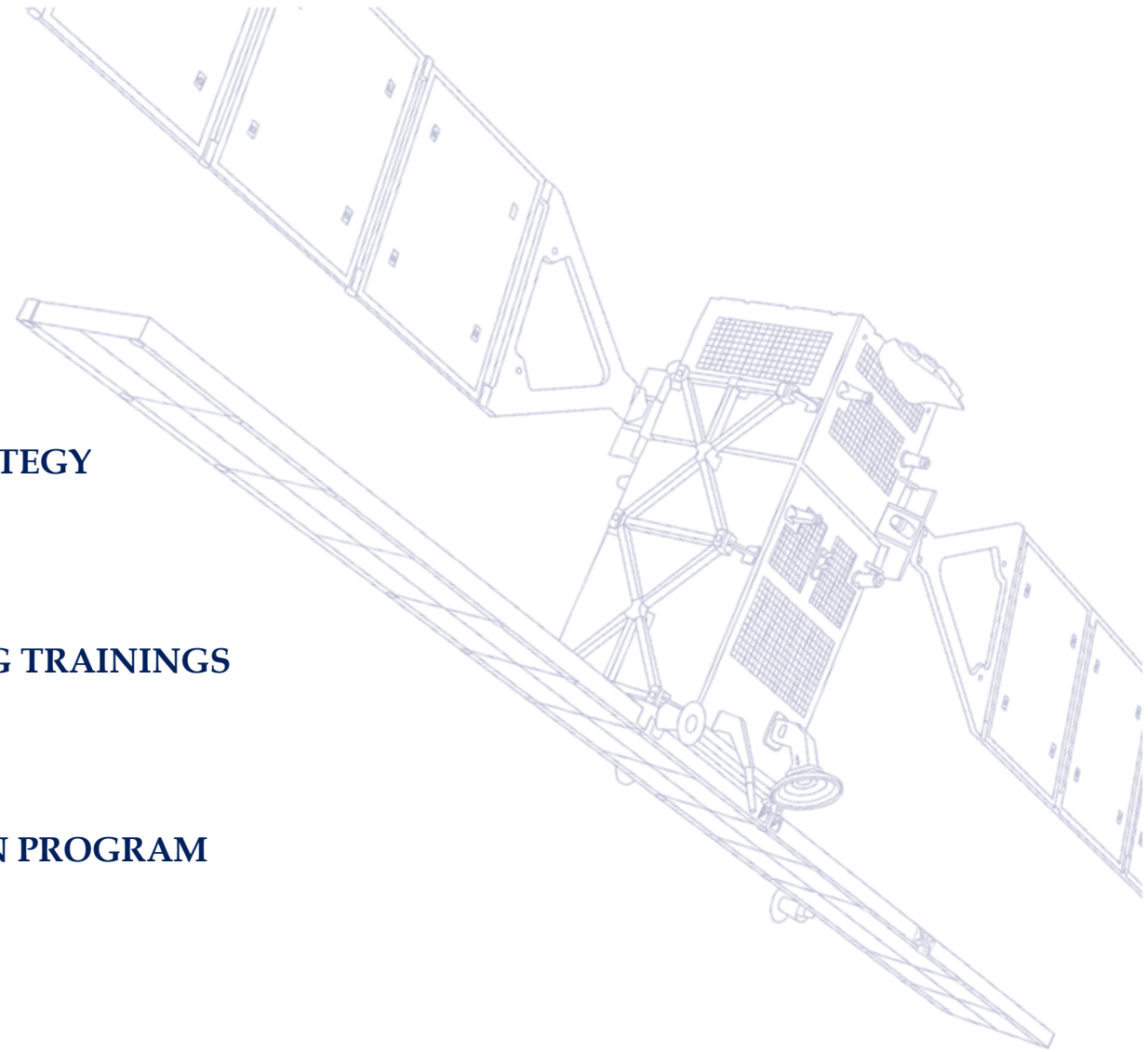
INTRODUCTION

ANGOLAN SPACE STRATEGY

GGPEN ENGINEERING TRAININGS

EARTH OBSERVATION PROGRAM

FUTURE ACTIVITIES





## VISION:

- ❑ “Make the country a **benchmark** for excellence in space science and technology”

## MISSION:

- ❑ “Promote the peaceful use of space, ensuring the **creation of skills** in space technology”.

## GGPEN

1. Created in October 9, 13
2. Investment: +350.000.000 USD
3. Seven Departments
4. 70 employees
5. Supervised by MINTTICS



# ANGOLA SPACE STRATEGY 2016-2025

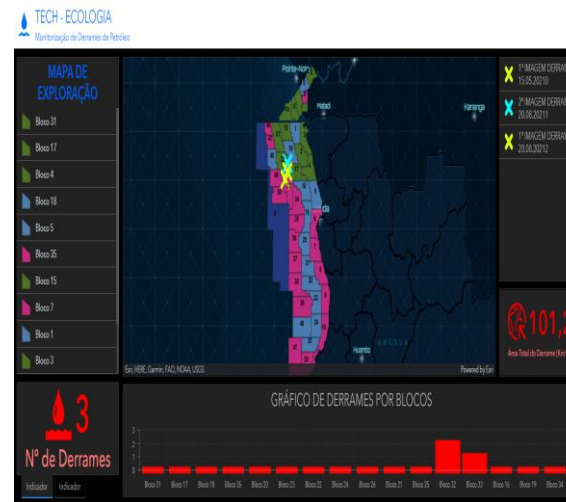
## 1-Space Infrastructure

## 2-Capacity Building and Promotion

## 3-Industry and Technology

## 4-International Positioning

## 5-Organization and Cooperation





## ACADEMIC DEGREES

- PHD (5);
- Masters (22);
- Bachelor Degrees (28).



- +60 Specialists in space and science technology

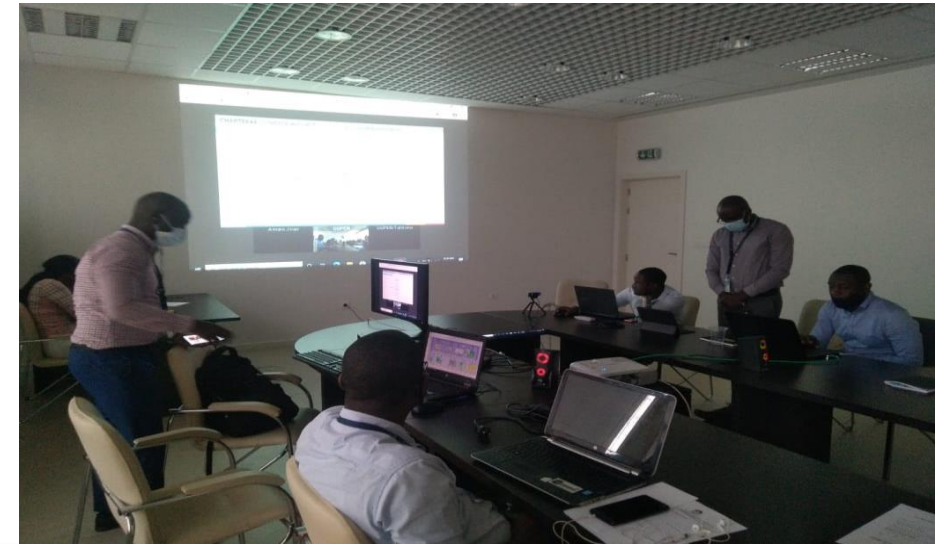
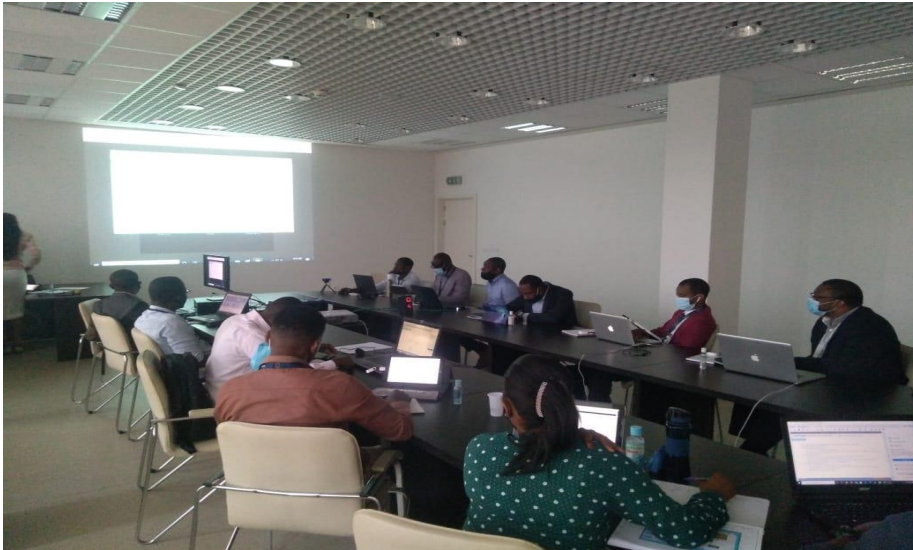
## RECOGNITION AWARDS

- 3 in a top 10 of the most promising young people in the African Space Industry under 30 Years old;
- A GGPEN expert accepted into the UNICEF Drone and Data Academy





- Assembly , Integration and Testing (AIT)
  - Satellite design
- Satellite Mission , Control and Operations
  - Space Applications



+4000h of training

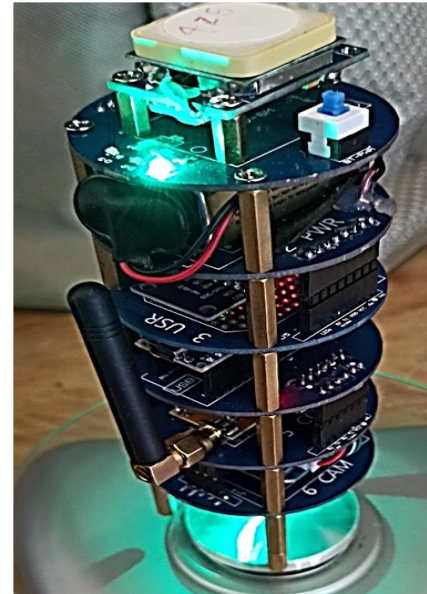
- 45 certified as satellite operators



2013 - 2016

2018

2019



## Nº of Participants

- 164 students and lecturers;
- 26 Universities;
- 30 Institutions





2021

2022

ISPTEC  
Instituto Superior Politécnico de Tecnologias e Ciências

GGPEN  
Gabinete de Gestão do Programa Espacial Nacional

GOVERNO DE ANGOLA  
minttics.gov.ao  
MINISTÉRIO DAS TELECOMUNICAÇÕES, TECNOLOGIAS DE INFORMAÇÃO E COMUNICAÇÃO SOCIAL

## CURSO DE COMUNICAÇÃO VIA SATÉLITE:

Fundamentos de Radiofrequência, Instalação e Manutenção de VSAT

**Público Alvo**

- Operador de NOC
- Engenheiros de Electrónica e Telecomunicações
- Instaladores de Antenas VSAT
- Técnicos Comerciais

**MODALIDADE**  
Presencial

**HORAS DIÁRIAS**  
5 Horas

**DURAÇÃO**  
25 Horas (5 dias)

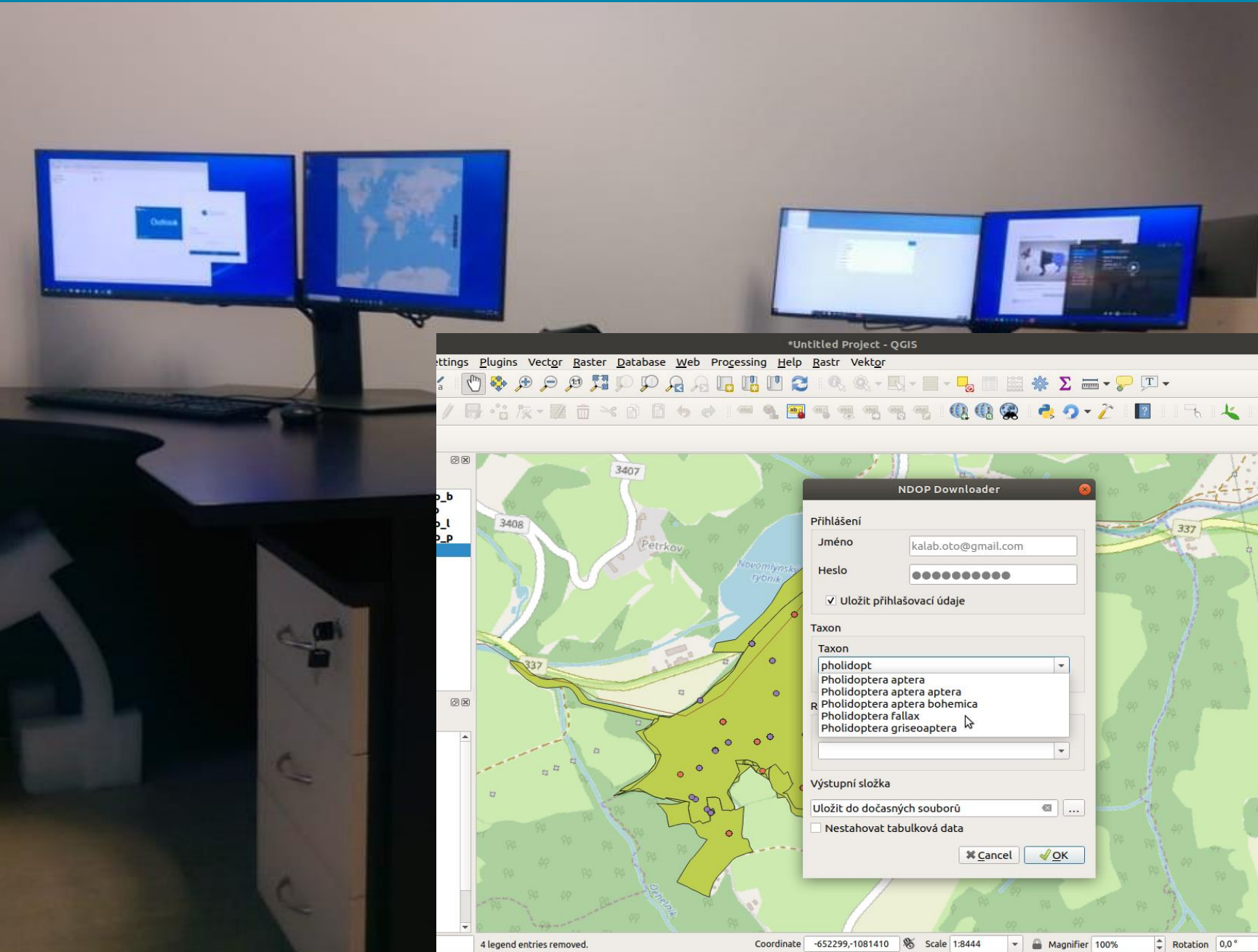
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Nº of Participants

- 197 general public and 10 from companies

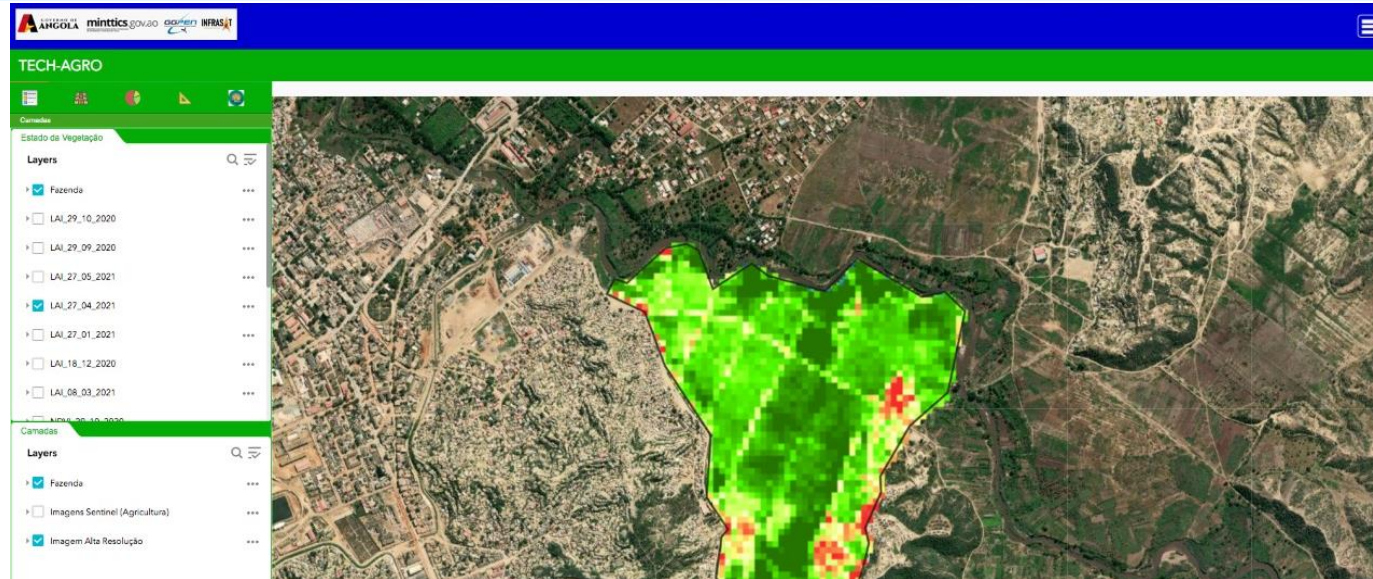




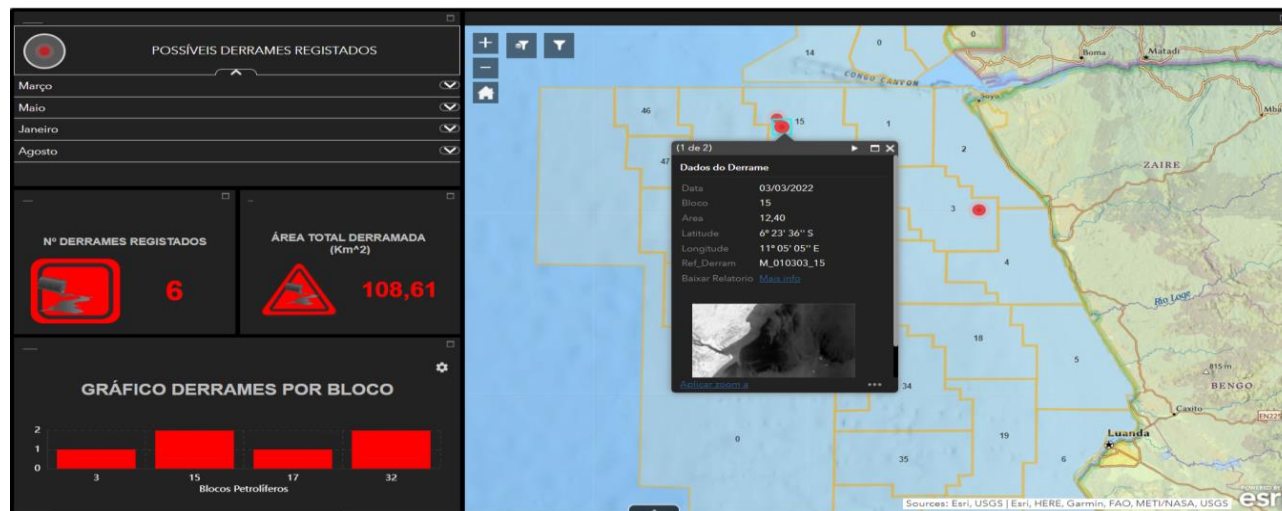
- 10 Angolan specialists trained in image processing and GIS







TECH-AGRO service for monitoring of agricultural fields



TECH-ECOLOGIA service for monitoring oil spill;

- Attendance of 40 participants in 2 days workshop



# FUTURE ACTIVITIES

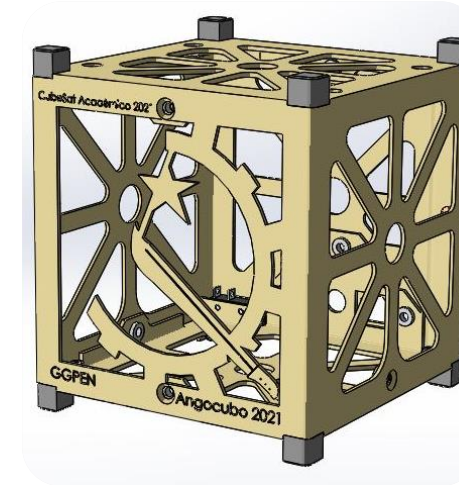
MCC READY

SPECIALISTS READY

EO PROGRAM

CAPACITY BUILDING

LAUNCH OF ANGOSAT-2



Launch of ANGOSAT-2 in 2022







THANK YOU  
[WWW.GGPEN.GOV.AO](http://WWW.GGPEN.GOV.AO)