

SPACE ECONOMY: AFRICA IN FOCUS

- NIGCOMSAT LESSONS -

Presented By **Dr. Abimbola Alale**, FASI, CRIP, MIAF, FCPDM
(MD/CEO, NIGCOMSAT LTD)

TABLE OF CONTENTS

| | | |
|---|--|----|
| 1 | Introduction <ul style="list-style-type: none">▪ Our Profile | 02 |
| 2 | Nigcomsat Satellite Resources <ul style="list-style-type: none">▪ NigComSat-1R▪ NigComSat-1R Coverage▪ NIGCOMSAT Satellite Ground Control and Teleport Facilities | 06 |
| 3 | Our Businesses | 11 |
| 4 | Recent Achievements | 12 |

INTRODUCTION

Nigerian Communication Satellite (NIGCOMSAT) Ltd is a government-owned satellite operator.

- Incorporated as a limited liability company on 4th April 2006.
- Supervised by the Federal Ministry of Communications and Digital Economy.
- Responsible for managing Government investment in communications satellites through the commercialization of the satellite resources for the socioeconomic benefits of the nation.

OUR PROFILE

➤ **Our vision:**

To be the leading satellite communications solutions provider in Nigeria and Africa.

➤ **Our mission:**

To provide seamless connectivity and satellite communication solutions through innovations.

OUR PROFILE

Our core values:

- Leadership
- Innovation
- Integrity
- Professionalism
- Customer - Centricity

NIGCOMSAT SATELLITE RESOURCES

➤ *NigComSat-1R*

A high power Quad band, hybrid satellite Launched in December 2011 with the following parameters;

- 28 Transponders
 - ✧ 8 Ka-band transponders
 - ✧ 14 Ku-band transponders
 - ✧ 4 C-band transponders
 - ✧ 2 L-band (navigation) transponders
- covers Nigeria and about 40 African countries.

NIGCOMSAT-1 R COVERAGE

Ku-Band

Ku-BAND ECOWAS I



Ku-BAND ECOWAS 2



NIGCOMSAT-1 R COVERAGE

C-Band

C-BAND ECOWAS



L-Band

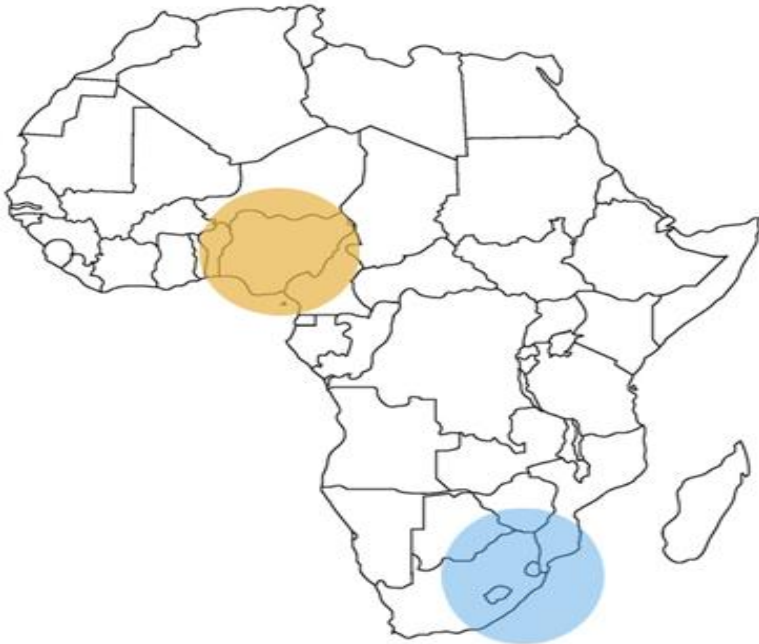
NAVIGATION PAYLOAD



NIGCOMSAT-1 R COVERAGE

Ka-Band

Ka-BAND NIGERIA & SOUTH AFRICA



Ka BAND EUROPE BEAM



NIGCOMSAT SATELLITE GROUND CONTROL AND TELEPORT FACILITIES



OUR BUSINESSES

- Transponder Leasing (MHz)
- Broadband Services
 - Mobility (COTM)
 - Internet Services
- Multicasting, Retailing, POS, ATM
- Broadcasting: PayTV, Direct-To-Home
- Mobile (Voice & Data) Backhauling services
- Satellite Based Augmentation Services

RECENT ACHIEVEMENTS

- NIGCOMSAT deployed the first African Satellite Based Augmentation System (SBAS) in providing navigation solution for Africa by Africa and over the Indian Ocean. ASCENA (Agency for Aerial Safety and Navigation in Africa) utilised NIGCOMSAT SBAS in Togo, Senegal and Cameroon.
- NIGCOMSAT provided satellite broadband services to the Presidential Task Force on covid-19 in supporting the delivery of real-time situation to the underserved communities and the rural areas in Nigeria.

RECENT ACHIEVEMENTS

- NIGCOMSAT Spearheaded the National Policy on VSAT core skills training which is aimed at equipping Nigeria's youths with the requisite digital skills. Over 600 youths were trained on VSAT/TVRO installation core skills across the 6 geographical zones in Nigeria this year (2021). The projection is to train 600 youths annually for the next 5 years (2022, 2023, 2024, 2025 and 2026).
- NIGCOMSAT has been contributing towards digital economy development of Nigeria and its citizens.
- Platform for the Telemedicine services for better health service delivery.
- Satellite solutions in Oil & Gas that provides reliability and coverage that can be depended.

A satellite with large solar panels is shown in orbit above the Earth. The satellite is white and gold, with several large, rectangular solar panels extending from its body. The Earth's surface is visible below, showing a large, circular storm system. The text "Thank You" is written in large, white, sans-serif font across the center of the image.

Thank You