

"SATELLITES FOR HEALTH: ACADEMIA, PUBLIC, AND PRIVATE PARTIES UNITE THROUGH TELEMEDICINE FOR ENHANCED OUTCOMES"

INTRODUCTION

About the project

Nigeria's health service struggles with insufficient infrastructure and inadequate specialist skills, among many other things. This compromise has led affluent patients traveling outside the country and costing the Nigerian economy approximately \$1.3 billion annually.

This project and case study aims to examine the application and resilience of communications satellite technology in providing telemedicine services and digital health insurance inclusion, to improve access to high quality healthcare advice and services.

Using this technology, a survey, and action research would be used to assess the feasibility of implementing a satellite communication network and software applications for telemedicine in rural areas

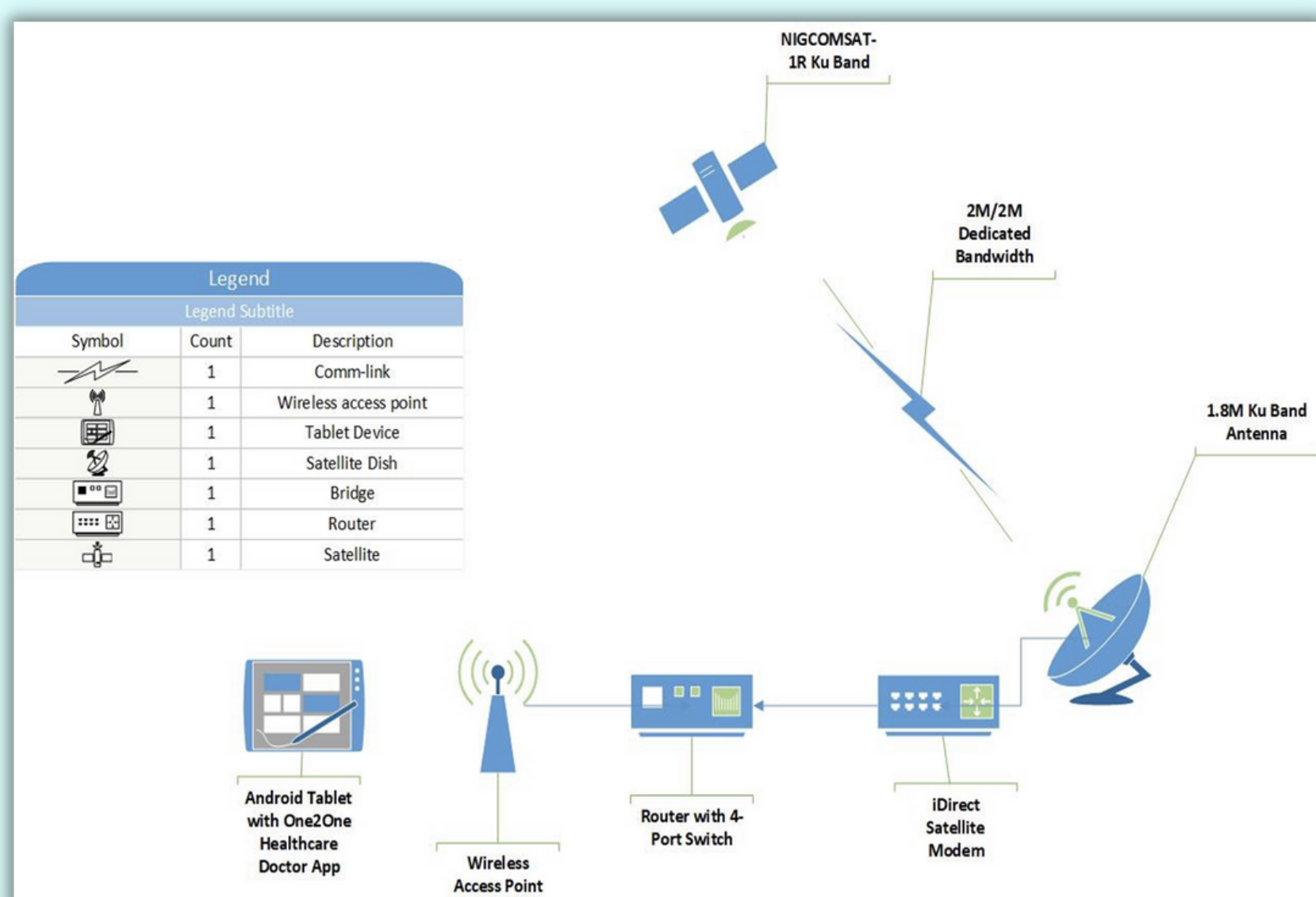
SUBJECT

IDP Camps and Primary Health-Care Centres across Nigeria



TECHNOLOGY

satellite for digital health.



Piloted in Kaduna, Abuja, Benue, and Akwa Ibom

Cost elements

- Hardware
- Monthly subscription
- One time cost to put up solar panels



AIM AND OBJECTIVES

The initiative aims to build a global research community of think tanks and academia around research and knowledge sharing to accelerate digital resiliency and digital inclusion during the COVID-19 recovery globally. The following objectives are the project deliverables.

- Examine the application and resilience of communications satellite technology in providing telemedicine services including digital health insurance inclusion to improve access to high quality healthcare advice and services.
- Utilize technology, and early methods approach comprising: case studies, a survey and action research to determine the potential for implementing a satellite communication network for telemedicine in rural areas.
- Create a mobile emergency response facility that can be quickly deployed to a disaster location or internally displaced persons (IDP) camps
- Extend emergency healthcare service delivery in an attempt to enhance the nation's disaster response preparedness and effectiveness utilizing communication satellite technology and software applications.

PARTNERSHIP MODEL



OUTCOMES

NIGCOMSAT supported the ITU program on satellite for Digital Health by providing telemedicine services across the country in various Internally Displaced Camps, A total of 766 patients had medical consultations during the Connect2Recover campaign, and there was a 81.8% support for the delivery of telemedicine services via V-SAT based internet as a means of delivering health care services locally and reducing domestic and foreign medical tourism.