



Gestor de Infraestructuras  
de Telecomunicaciones de  
Guinea Ecuatorial





## *MODERNIZING TELECOMMUNICATIONS*



Created in 2011 by Presidential Decree, GITGE is responsible for managing and building Equatorial Guinea's telecommunications infrastructure.



Importantly, this includes connecting Equatorial Guinea to the telecommunications world through the African Coast Europe (ACE) fiber optic cable.







## *TELECOMMUNICATIONS: A HISTORY*

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Prior to 2011, Equatorial Guinea's Internet connections were provided primarily via satellite—a slow and largely cost-prohibitive technology—and cellular phones.

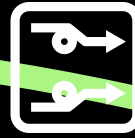


In 2000, less than 1 percent of Equatoguineans had access to the Internet, limiting social and economic progress in an increasingly connected global landscape.

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## ***FIBER OPTIC: RE-DEFINING EG CONNECTIONS***

Equatorial Guinea's telecommunications landscape changed dramatically with the installation of the **ACE fiber optic cable** offshore West Africa in 2012.



GITGE was ready for the connection, having already built Equatorial Guinea's link to the ACE cable—the Ceiba-1 Cable—in 2011.



Today, nearly 25 percent of Equatoguineans are connected to the Internet, an increase of 2300 percent.





## WHAT IS FIBER OPTIC?

There are four key ways Internet connectivity can be provided:

- Cellular access through radio waves
- Through wire cables, such as copper
- Via satellite links
- **Through fiber optic cables**

Fiber optic is easier to install and maintain than traditional wire cables, and provides a cheaper, faster connection with more capacity than both cellular and satellite.

Fiber optic sends and receives information through a coded beam of light down a glass or plastic pipe.



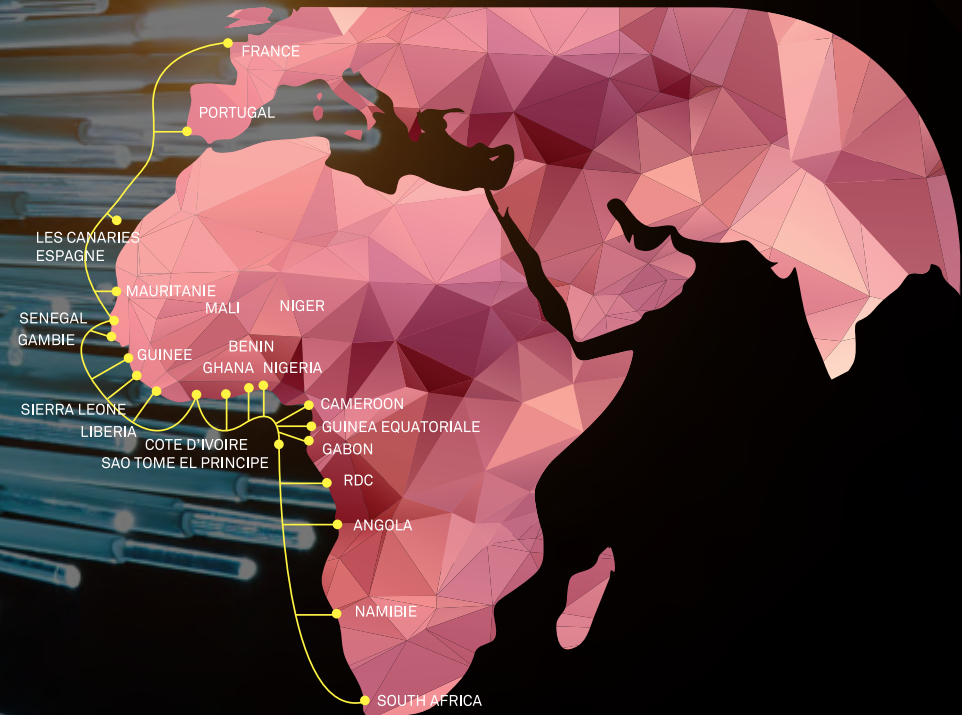


## AFRICAN COAST TO EUROPE (ACE)

The Africa Coast to Europe (ACE):  
A 17,000 km long broadband, optical submarine cable between Africa and Europe

### Phase 1:

- 3 segments in service:
  - o France-Senegal
  - o Senegal- Ivory Coast
- 14 countries connected on the coast, 2 landlocked countries





*ACE*

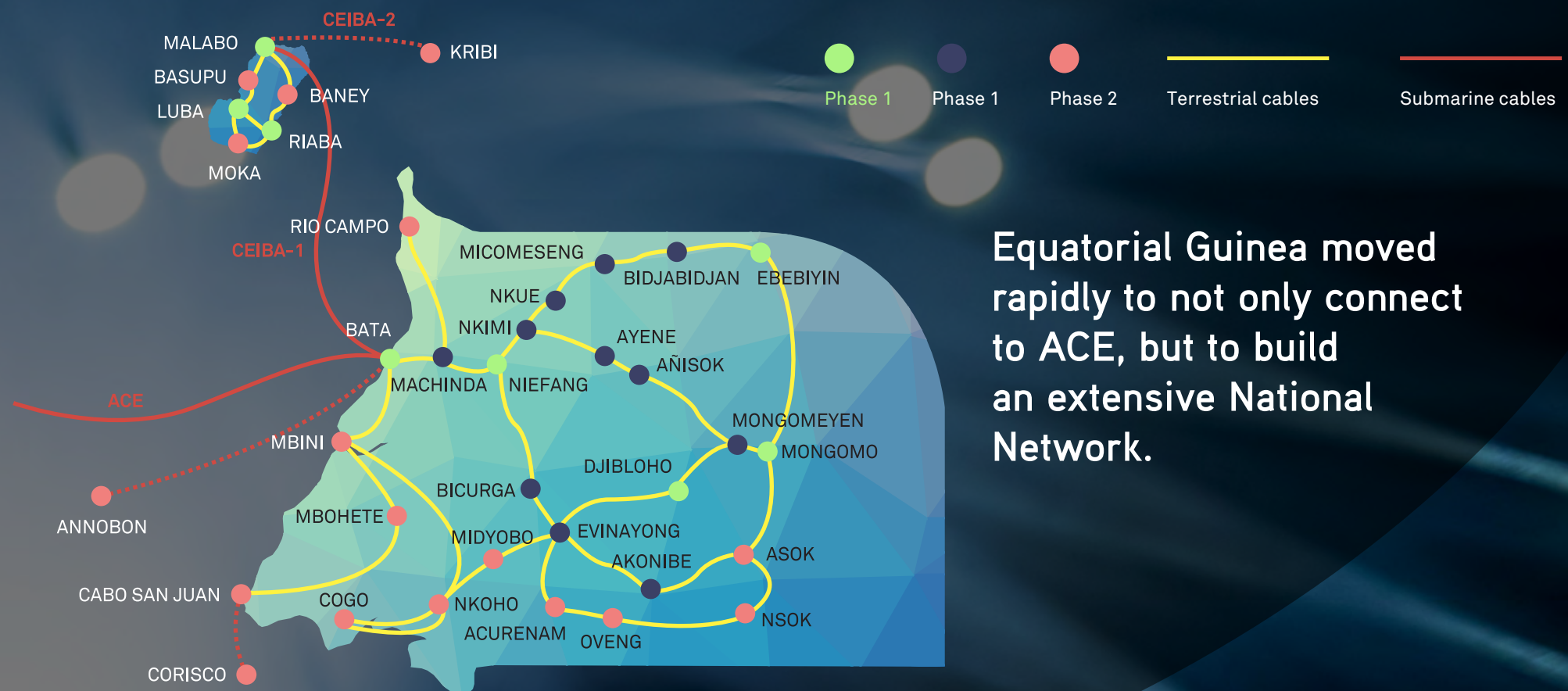
\$700 million project

Runs 17,000 kilometers

Will connect 23 countries, both through direct links and through land-laid links for landlocked countries, down to South Africa.



# EQUATORIAL GUINEA CONNECTS TO ACE



Equatorial Guinea moved rapidly to not only connect to ACE, but to build an extensive National Network.



# EQUATORIAL GUINEA CONNECTS TO ACE



## CONNECTIONS: *CEIBA-1*

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Ceiba-1 was *constructed*  
*in 2011*

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Connects *Malabo on the*  
*Bioko Island to Bata*

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*A USD \$2 million project* in 2016 increased the capacity of  
Ceiba-1 from 20 gigabit/second to a *current Capacity of 60*  
*gigabit/second*

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## CONNECTIONS: *CEIBA-2*

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Construction *started*  
*in October 2016*

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*Connects Malabo with*  
*Kribi, Cameroon*

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The cable was  
*completed in June 2017*

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The USD \$*XXX* million project  
*increases overall capacity*  
*in Equatorial Guinea* and  
builds a redundancy into the  
telecommunications network

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## CONNECTIONS: SÃO TOMÉ - ANNOBÓN

Construction *began in December 2016*, and should be *completed by the end of 2017*

This *USD \$12 million* will bring *fiber optic capacity to the island of Annobón* for the first time

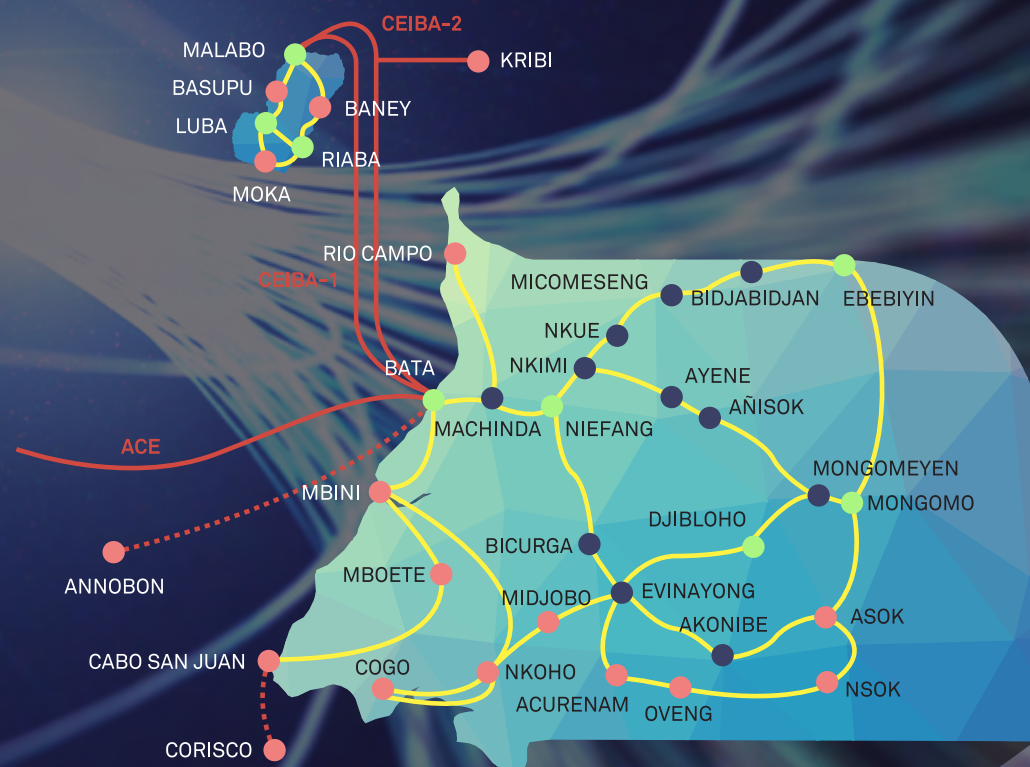




# NATIONAL NETWORK

GITGE also continues to *expand the National Network*

*Phase 2 of building the National Grid, a USD \$17 million project, is in progress and will bring 16 new cities online*



Phase 2

Terrestrial cables

Submarine cables





## CONNECTING TO THE WORLD



*GITGE aims to bring the best of telecommunications to Equatorial Guinea and connect the country internationally.*



*Camtel, GITGE's counterpart in Cameroon, and GITGE are laying the groundwork to connect Africa and Brazil.*







# CONNECTING TO THE WORLD







## CONNECTING TO THE FUTURE



GITGE aims to *make telecommunications services available elsewhere in the world* to Equatoguinean citizens and companies.



*This will support social and personal development, and advance the country's overall economic success.*



Malabo

*SONAGAS Building,  
3rd-4th Floor, Malabo 2  
Malabo, Equatorial Guinea*

Bata

*ABAYAK Building, 2nd Floor,  
Comandachina  
Bata, Equatorial Guinea*

[www.gitge.org](http://www.gitge.org)

