

# TIC's COMPANIES AT THE CANARY ISLANDS DRIVE TRANSFORMATION AND DELIVER GREAT DIGITAL BUSINESS

One step away from Africa, the Canary Islands provide companies with easy access to neighboring countries. The Canary Islands, a growing business hub in Africa, are quickly becoming the center for TIC's multinational firms looking to penetrate the much sought-after West African market.



## TELECOMMUNICATIONS

- **Submarine fiber-optic cable**

*Nº of Connections:*

- EU	9
- Africa	4
- America	2

- **D-ALIX project**

*A bridge linking with Africa, EU & America*

- **50 SATELLITES**

*Provide communication services in  
The Canary Islands*



## INTERNATIONAL CONNECTIVITY

*Develop business in Africa is guaranteed thanks to the possibility of connecting through D-ALiX to any of the international submarine cables ACE, WACS, MST, SAT-3, Atlantis-2 or SAT-2, which travel along the Western African coast.*

*ACE (Africa Coast to Europe) is formed by a consortium of 25 carriers (primarily France Telecom) to develop a 17,000km cable stretching from France to South Africa, connecting it its way Portugal, several countries of the Western African coast and reaching Cape Town.*

# THE CANARY ISLANDS, THE BEST NATURAL RESEARCH LABORATORY OF THE ATLANTIC

The geographical and environmental conditions make the Canary Islands an excellent natural research laboratory for the development and testing of new technologies, which may subsequently be implemented at continental level.



## INSTITUTO DE ASTROFÍSICA DE CANARIAS

Provides support to more than 70 institutions in 19 countries

- Observatorio del Teide (Tenerife)
- Observatorio del Roque de los Muchachos (La Palma)



## GRAN TELESCOPIO DE CANARIAS

The largest optical and infrared telescope in the world, GTC is a 10.4m Telescope with a segmented primary mirror.



## SOLAR ENERGY

- 4,800 daylight hours per year
- 1,700 h production of photovoltaic systems
- 5-6 KWh/m<sup>2</sup> Radiation



## WIND POWER

- 6-8 m/s average wind speed
- 4,000-4,500 h equivalency



## MARINE RENEWABLE ENERGY

- PLOCAN (Oceanic Platform of the Canary Islands)



## INFRASTRUCTURES

- ITC (Instituto Tecnológico de Canarias)
- ITER (Instituto Tecnológico de Energías Renovables)



## BIODIVERSITY

- 14,000 Terrestrial endemic species
- 5,500 Marine endemic species
- 600 Endemic plants



## INFRASTRUCTURES

- BEA (Spanish Bank of Algae)

## SCIENCE AND TECHNOLOGY FOR INTERNATIONAL COOPERATION

International cooperation projects developed by the Canary Islands:

The Centre of Research Applied to Renewable Energies, Desalination and Cooling of the University of Nouakchott, Mauritania, with the support of the Instituto Tecnológico de Canarias.

The University Institute for Tropical Diseases, in the island of Tenerife, co-financed by Senegal.

Advice to the Government of Cape Verde in the matter of water management from the energy and sustainability points of view.

Use of renewable energy to provide electricity to villages and isolated rural communities in West African countries.

Development and implementation of small autonomous desalination plants powered by renewable energies.