Canary Islands Institute of Technology (ITC)
Technology and Innovation for a Sustainable Development
Information Society

Providing support and services in managing and implementing technology prospective and management, telecommunications and information society projects
It was created in response to the growing needs of the Canary Islands Government and the ITC itself, to articulate projects and initiatives in the field of telecommunications that favour the structuring of the territory.

It serves sectors with technological demands in the fields of drone operations, deployment of sensor networks, manufacturing of specific electronic prototypes, as well as 3D modelling.

Instrument for the development of public policies for the promotion of the Information Society in the Canary Islands.
Team with *training and experience* in the field of information technology and telecommunications

Established in 2006

Lines of work contributing to the *digital transformation* of Canary society

**Technical Support Office** of the Canary Islands Agency for Research, Innovation and the Information Society (ACIISI)

Budget **2021**: € 0,5 M

*Information Society Department*
Development of the Avanza Canarias Plan: broadband expansion and improvement of digital skills in citizens, companies and administrations

ITC supports the ACIISI Action Program in the area of Telecommunications and the Information Society, to promote the broadband expansion in the Canary Islands (incl. monitoring)

Deployment and exploitation of the Digital Television Extension Network

The main scope of this action, in which the ITC supports the ACIISI, is the management and maintenance of the DTT extension network, which seeks to complement the coverage obligations of the television networks, which are insufficient to match digital with analog coverage

**Milestones**

2006
Development of the Avanza Canarias Plan: broadband expansion and improvement of digital skills in citizens, companies and administrations

ITC supports the ACIISI Action Program in the area of Telecommunications and the Information Society, to promote the broadband expansion in the Canary Islands (incl. monitoring)

2008
Deployment and exploitation of the Digital Television Extension Network

The main scope of this action, in which the ITC supports the ACIISI, is the management and maintenance of the DTT extension network, which seeks to complement the coverage obligations of the television networks, which are insufficient to match digital with analog coverage

2010
Design, deployment and operation of the Canary Islands Radio Spectrum Monitoring Network

The main scope of this line is focused on monitoring the status and use of the radio spectrum in the Canary Islands, with special monitoring of DTT, FM and mobile telephony services. In this action, ITC has been providing technical support to ACIISI since 2010.

2017
Registration as a drone operator for research activities and instrumental reconnaissance

Registration this year as a drone operator for research and development activities, as well as for instrumental control, positions ITC at the forefront at the regional level in the use of drones for scientific purposes
Activity Lines

Technical advice on
Telecommunications and the
Information Society

Content generation
Design and development of
infographics and videos for web
channels

Digital skills
Design and development of
training activities in electronics,
audiovisual projects, virtual
reality, videogames, ...

Unmanned aerial vehicles
Use of drones for inspection
of infrastructures, R&D and
audiovisual projects

Technological development
Design and manufacture of electronic
prototypes on demand. Sensorization. 3d
printing. Deployment of IoT Networks
Technological Services

- Flight operations with drones for research and recognition of technological infrastructures
- Design and manufacture of electronic prototypes on demand
- Deployment of IoT networks
- 3D modeling and printing and 360° recordings
- Development of training programs in Digital Competences

Information Society Department
ACIISI Technical Support Office

Canary Observatory of Telecommunications and the Information Society
Elaboration of studies (e-Canarias, Broadband and Electronic Commerce). Daily publication of the Regional Telecommunications and IS Newsletter. Maintenance of the Scorecard of Information Society indicators

Infrastructures and IS services
Monitoring of the deployment and quality of service in broadband and IS services (DTT). Generation of control panels to monitor calls as well as informative content of ACIISI actions in the field of IS

Monitoring of SI Services
24/7 radio spectrum monitoring of DTT and FM demarcations. Generation of periodic and specific reports for both services. Characterization of stations using drones

Advice on support policies for the development of the IS
Support in the development of funding calls related to broadband, digital transformation and digital skills

Technological Dissemination (ACIISI)

CODECAN programme
Promotion of Digital Skills in the Canary Islands through workshops in the fields of electronics, video game programming, 3D printing, VR, AI and audiovisual as well as awareness-raising workshops.

Projects

Limetón Project
Updating of the electronic and multimedia system of the “Gesta 25 de julio de 1797” model (Museo Histórico Militar de Canarias)
Challenges

Expansion of the frameworks for **drone operations** in the field of R&D&I, both spatial and technical, in strategic sectors of our economy.

Boosting the functional capabilities of **Internet of Things** systems under open models.

New disciplines of interest within the **Promotion of Digital Competences** in the Canary Islands.

Expansion of **Artificial Intelligence** to the different lines of the department; in particular, to that associated with the deployment of sensor networks.

Design and development of **monitoring systems for telecommunications services**.

**Improved 3D modelling and printing capabilities**, with the incorporation of three-dimensional scanning systems.
Information Society Department

Head of Department

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