

INSTITUTO TECNOLÓGICO DE GALICIA

Researching:

**Sustainability and
Construction**



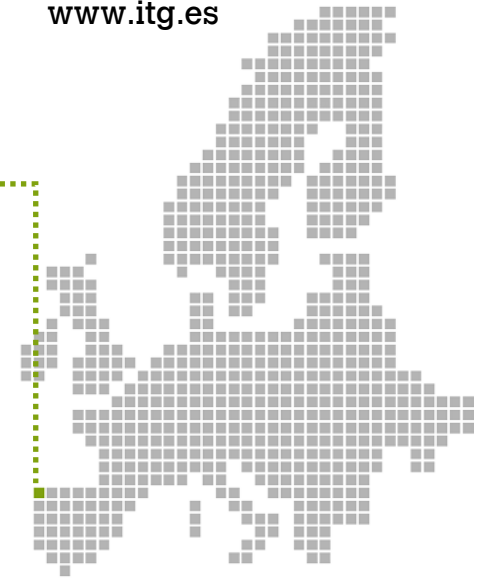
Who We Are

Instituto Tecnológico de Galicia | **ITG**

TECHNOLOGY CENTRE located in Galicia, Spain

[No. 115 Spanish Ministry of Economy & Competitiveness Register]

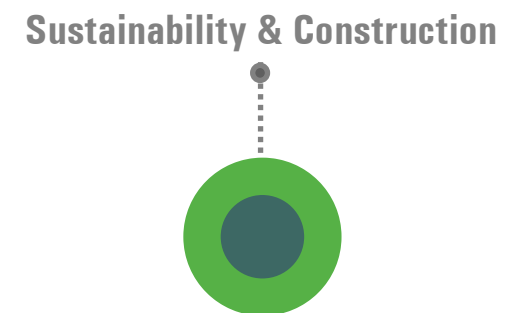
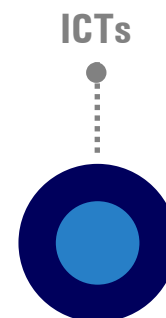
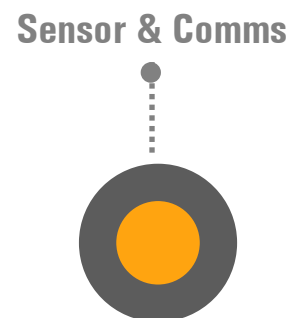
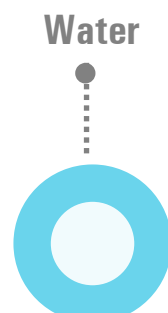
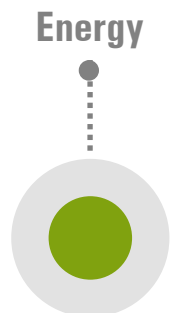
PRIVATE NON-PROFIT FOUNDATION set up in 1991



BOARD OF TRUSTEES: Architects, Civil Engineers and Industrial Engineers Galician Associations, Mining Engineers' Assoc., Galician Agronomic Engineers' Council, Naval and Oceanic Engineers' Assoc.; Galician Businessmen Confederation, and Universities of A Coruña, Vigo and Santiago de Compostela

Certification in UNE-EN ISO 9001 standard (Quality Management System) and in UNE 166002 standard (R&D&I management system)

At ITG we are organised in **5 INTERCONNECTED KNOWLEDGE AREAS:**



Sustainability and Construction Solutions

Sustainable Construction

ITG provides first class consulting services in the field of sustainability:

- Sustainable urban development strategies
- Sustainable City consultancy
- Support to local authorities
- Green Building design consultancy
- Sustainability assessments of buildings
- Training and development in Sustainable Construction
- Development of locally relevant Sustainability Standards/Codes

Since 2009, ITG is the exclusive operator in Spain for BREEAM, the leading international Sustainable Construction Certificate. For many years ITG has been at the forefront of sustainable construction in Spain and Europe, building up capacities in the field and actively promoting positive change in the built environment towards a more sustainable future.

Today, BREEAM is not only the world's most popular standard, but is also leader in Spain in number of certificates issued. ITG has led the process of adaptation of the BREEAM International Standard to the Spanish market, integrating local practice and legislation in order to produce a scheme that is robust, internationally credible and relevant to the local reality.

ITG has also been recognized by ENAC, the Spanish accreditation body, as the first in the field to achieve accreditation under ISO 17024 for the training of Sustainable Construction Assessors.

More information at www.breeam.es

Construction Cost Consultancy

ITG has pioneered the development of Construction Price Books in Spain, editing several databases for regional authorities across Spain since 1994. More information at www.presupuesta.com.

ITG has in-house capacities and experience to provide Cost Consultancy Services with the guarantee of RICS accredited staff.

- Construction Cost database development
- Cost Planning and cost management of projects
- Value Engineering
- Procurement and Contract Strategy
- Dispute resolution services.

Energy and Water Efficiency

ITG's range of services in building energy consultancy can be tailored to the Client's needs:

- Energy Consultancy and Support to Local Authorities
- Water audits, modeling and integration of distribution networks
- Energy simulation of buildings
- Energy Efficiency Audits
- Implementation of Energy Efficiency plans
- Zero Energy Buildings consultancy
- Energy Generation consultancy
- Ad hoc Energy and Water Management software development

In recent years ITG has carried out more than 300 Energy Efficiency Audits for a wide range of Clients and Sectors of activity, becoming a leading consultant in the field. Our technical capacities in the field can be demonstrated by the numerous research and development programs led by ITG over the past years.

Technical Publications in Construction

- Construction price book produced for the Galician Regional Government (IGVS) 14 Editions since 1994.
- Construction Price Book for the Basque Regional Government. 2 Editions since 2008.
- Study "The construction for climate change". Regional Environmental Authority.
- Estudio comparativo entre la madera y otros materiales de construcción en el ámbito de la Sostenibilidad y Eficiencia Energética para el Cluster de la Madera de Galicia / Comparative study of wood and other buildings materials in the field of Sustainability and Energy Efficiency. Galician Timber Cluster

- Catalogue of Technical Applications of Granite in FIEBDC format.
- Technical Catalogue of Wood Applications. Galician Timber Cluster.
- Study to identify Wood Special Applications. Galician Timber Cluster.
- Economic Impact of the Technical Building Code in the residential construction. Galician Regional Government.
- Good Practice Guidance for the Minimization and reuse of construction and demolition waste.
- Study for the characterization of construction products based on Technology Differentiation Factors (CE marking, certificates of application) in the construction sector in Galicia.

ITG International R&D Projects

Since 1996, ITG has developed **international cooperation projects** with important public and private entities.

ENTIC Project – Smart & Sustainable Energy Management for improving the competitiveness of SMEs in the Euroregion

www.entic.eu

GE2C'S Project – Efficiency, CHP and Energy Management in Service Sector

www.ge2cs.com

E4R Project – Building Energy Efficiency Assessment Tools. Refurbishment in SUDOE Territory

www.e4rproject.eu

ASAP Project – Actions for Systemic Aquifer Protection

www.klink.it/gate/asap

WIZ Project, WaterIZe Spatial Planning: encompass future drinkwater management to climate change

www.wiz-life.eu

WETNET Project – Innovative in-pipe hot-tap insertion flow sensor plus smart NETWORKS enable ecowise pervasive monitoring of water distribution grids

www.wetnet.it

SANePLAN Project – Integrated Planning and Sustainable Management of Sanitation Infrastructures through Innovative Precision Technology

www.saneplan-life.eu

How to Contact Us

INSTITUTO TECNOLÓGICO DE GALICIA
PO.CO.MA.CO, Sector I, Portal 5
15190 A Coruña, Spain
T +34 981 173 206

www.itg.es

Sustainable Construction Department Director: Oscar Martínez

adn@itg.es

omartinez@breem.es