INSTITUTO TECNOLÓGICO DE GALICIA

Researching:







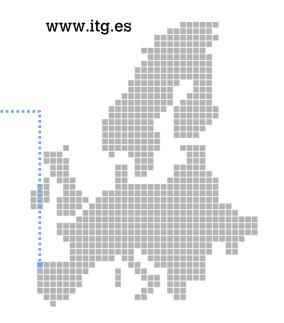
Who We Are

Instituto Tecnológico de Galicia | ITG •-----

TECHNOLOGY CENTRE located in Galicia, Spain

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

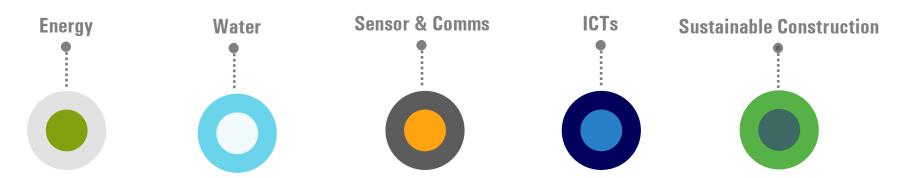
PRIVATE NON-PROFIT FOUNDATION set up in 1991



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

At ITG we are organised in 5 INTERCONNECTED KNOWLEDGE AREAS:



Research & Development Activities on ICT

OPEN SOURCES TECHNOLOGIES are the **BASIS for OUR ICTs' R&D ACTIVITIES**

AD-HOC WEB DEVELPOMENT; GIS WEB APPLICATION; MOBILE WEB APPLICATION & APPS; INTEGRATION OPEN SOURCE SYSTEMS; SW ENGINEERING; BIG DATA; BUSINESS INTELLIGENCE; CLOUD COMPUTING

Ad-hoc Web Development

Integral Open Sources Solutions and SW development using technologies such as:

- WebServer technologies and frameworks: Apache, Tomcat, Maven, Hibernate.
- Server-side software using programming language like Java, C, phyton, ruby, php, perl... and frameworks like Yii, cakephp, Eclipse, Spring.
- WebServices integration: Developed APis & REST interface with several protocols xml, json, etc.
- Open APIs and data migration approach.
- Client-side web scripting software using technologies like JavaScript, Ajax, ActionScript and many other libraries like angularJS, JQuery
- Web-based UI design using technologies: html5, bootstrap, JQuery, Ajax. Graphic User Interface and Experience Design and Responsive Web Design.

GIS Web Application

Geographic Information Systems (GIS) Technologies to display, interpret, and spatial analyse data over custom application interfaces:

- Software: Expertise includes Geostatistical Analyst, Spatial Analyst, EPANET (Water Analysis); MicroSoft® SQL-Server; PostgreSQL; PostGIS; GeoServer; GvSIG.
- WebMapping: Integrate geographic information into web development using libraries such as OpenLayers and GeoJson.

Mobile Web Application & APPs

End-to-end Web and Mobile APPs development, for both Android and IOS:

- Mobile marketing application and strategic consulting services.
- Mobile-optimized versions of websites, creating either "mobile first" or responsive design interfaces.
- Mobile web applications which provide powerful capabilities to hand-held devices through a browser.
- Native mobile applications for Android and iOS devices.

According to Mobile Development Technologies, our mobile development practice incorporates the following technologies:

- HTML 5, CSS 3 and JavaScript.
- JQuery Mobile.
- PhoneGap, Titanium.
- Android development.
- iOS development.

BigDATA

Safe, easy, and cost-effective capitalization of Big Data's technologies opportunities, mainly for businesses:

- Discovery & Definition for adoption of Big Data technology solutions.
- Solution Architecting of Big Data solutions for industries in various uses case patterns.
- Design & Implementation of Big Data solution including pattern recognition algorithms and data mining using Big Data technologies.
- Big Data Analytics & Integration to visualization technologies.
- Integration of Sensors Networks Data to Big Data solutions.
- Social Media Analytics & Solutions for integration.
- MongoDB & Hadoop Environment.

Business Intelligence | BI

BI solutions based in open source systems like Birt, JasperReport, Pentahoo; coverage of all implementation processes, offering integration with web systems software in:

- Reporting
- Analysis
- Dashboarding
- Scoreboarding
- Planning

Based on our R&D Knowledge of Open Sources Technologies and Business Intelligence, ITG has an **OWN COMMERCIAL TECHNOLOGY SOLUTION for BUSINESS MANAGEMENT**

HGpyme[®]

Business Management System* | Designed for SMEs | ITG's Integral Service: Design, Development, Implementation & Maintenance



Main Characteristics: Modular Structure; 100% Web; Business Intelligence & Reporting Tools; No Licensing Costs

http://www.hgpyme.com

*10 years' experience – system developed and operating since 2004.

ITG International R&D Projects

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

SANePLAN Project – Integrated Planning and Sustainable

Management of Sanitation Infrastructures through www.saneplan-life.eu
Innovative Precision Technology

ICT Tasks: GIS | OpenLayers | Responsive Web | Java | Webservices | AngulaJS | JQuery | BoodStrap | JavaScript | Html5 | BigData

WETNET Project – Innovative in-pipe hot-tap insertion floW sEnsor plus smarT NETworks enable ecowise pervasive www.wetnet.it monitoring of water distribution grids

ICT Tasks: GIS | OpenLayers | Responsive Web | Java | Webservices | AngulaJS | JQuery | BoodStrap | JavaScript | Html5 | BigData

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

www.wiz-life.eu

ICT Tasks: GIS | OpenLayers | Responsive Web | PHP | Webservices | AngulaJS | JQuery | BoodStrap | JavaScript |
Html5 | APPmobile

ASAP Project – Actions for Systemic Aquifer Protection

www.klink.it/gate/asap

ICT Tasks: GIS | OpenLayers | Responsive Web | PHP | Webservices | AngulaJS | JQuery | BoodStrap | JavaScript | Html5 | APPmobile

ROEM + Project – High resolution AppROach for ManageMent of Surface Water EutroPhication in RuraL areas www.roemplus-life.eu of the Duero River Basin

ICT Tasks: GIS | OpenLayers | Responsive Web | Java | Webservices | Html5 | AngulaJS | JQuery | BoodStrap | JavaScript | BigData | APPmobile

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

www.entic.eu

ICT Tasks: PHP | JQuery | Responsive Web | BoodStrap | JavaScript | Ajax

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

www.ge2cs.com

ICT Tasks: GIS | OpenLayers | LifeRay | Java | Webservices | Html5 | JQuery | Business Intelligence | APPmobile

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

www.e4rproject.eu

ICT Tasks: GIS | OpenLayers | LifeRay | Java | Webservices | Html5 | JQuery | Business Intelligence | APPmobile

GENER Project – SMEs' Accompaniment in Efficient Models for Energy Management Implementation

www.proyectogener.org

ICT Tasks: PHP | Joomla | Html5 | JQuery | JavaScript

INCOPYME NETWORK Project – Cooperation between Centres and Research and Innovation SMEs improving www.redincopyme.org competitiveness in the Euroregion

ICT Tasks: ERP | PHP | Business Intelligence | JQuery | JavaScript | Bootstrap

e-MEDI@TE Project

www.emediatejustice.eu

ICT Tasks: PHP | Joomla | Html5 | JQuery | JavaScript

How to Contact Us

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