

A UNIQUE CENTRE FOR R&D&I AND TRANSFER OF RESULTS

Who? — The Strategic Consortium of the Centre for Technological Innovation in Building and Civil Engineering (A-CITEEC) is the result of the alliance of eight research groups from the University of A Coruña.

What? — The eight research groups aim to improve and intensify research and knowledge transfer in the field of engineering and sustainable construction. Their objective is to promote community well-being, economic development and the optimization of ecosystem services.

How? — Their work is based on highly advanced experimental analysis and numerical analysis methodologies.

The Strategic Research Consortium is in line with the Sustainable Development Goals (SDGs), priorities of the RIS3 Strategy, Spanish Strategy for Science and Technology and Innovation 2013-2020, and with the European Strategy H2020.



- Generating new research and transfer opportunities
- Strengthening research cooperation
- Improving competitiveness
- Having a positive impact on society and the environment
- Fostering international cooperation
- Improving community well-being

Scientific priorities



Preserving the environment by promoting adaptation to both climate and global change.



Reliable structural design on civil, aeronautical and wind engineering.



Encouraging sustainable management of water resources, urban water systems and circular economy.



Designing, developing and monitoring innovative, safe, durable and sustainable materials, processes and constructions.



Designing efficient buildings and infrastructures.



Numerical simulation of engineering problems related to the innovative and sustainable management of natural resources, and to the promotion and improvement of industrial competitiveness, the knowledge economy and the quality of life.



Promoting sustainable mobility through the integration of coastal infrastructures, such as ports and transport networks, into efficient systems.

CITEEC collaborates closely with academic centres (School of Civil Engineering, School of Architecture, University School of Technical Architecture and School of Engineering) and with the Civil Engineering Foundation of Galicia, which brings together numerous companies in the sector and constitutes a model of adaptation to the triple function of the university: teaching, researching and knowledge transferring.

2015-2017 Results



49

R&D Projects
7 international
42 national



135

Contracts and collaboration agreements



7.7

Million € raised



6

Patents
1 international
5 national



33

Cum laude Thesis
13 international mentions
8 extraordinary awards

SUSTAINABLE AND INNOVATIVE CIVIL ENGINEERING AND BUILDING



Transfer Development
Outstanding
Cooperation Social impact



Strategic Research Consortium Coordinator
Jerónimo Puertas Agudo
CITEEC Director
Juan R. Rabuñal Dopico

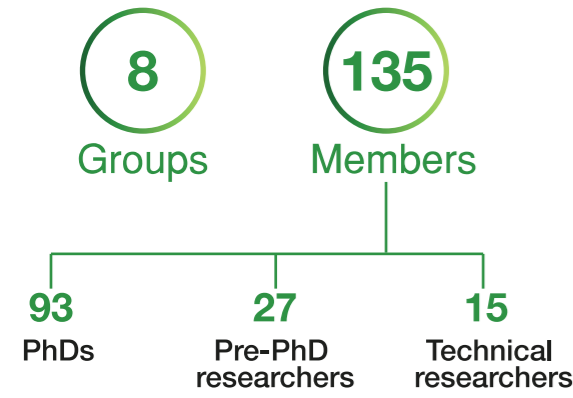
Campus de Elviña, S/N.
15008 A Coruña

T: +34 981 167 000 Ext. 5185 | F: 981 167 179
www.agrupacionciteec.udc.es



Research Groups

The consortium seeks to cooperate with other UDC R&D groups, as well as with other international R&D centres, involving companies and institutions in finding solutions to real problems.



What services do they offer?



Basic and applied research



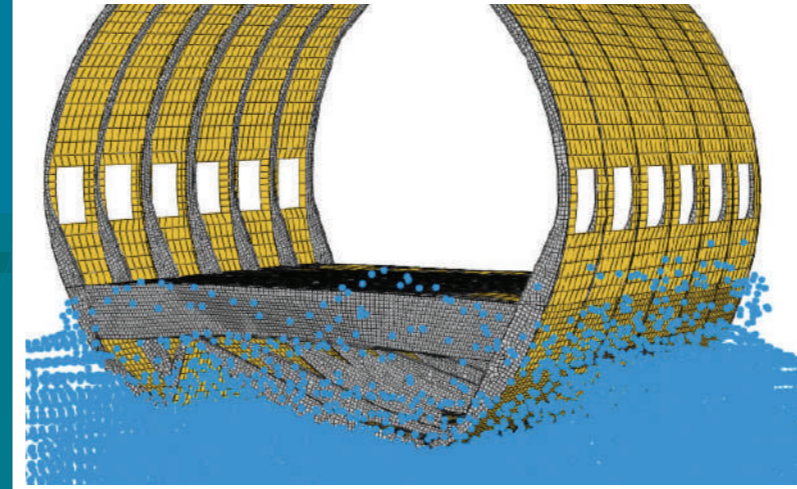
Counselling for companies and institutions

Laboratories

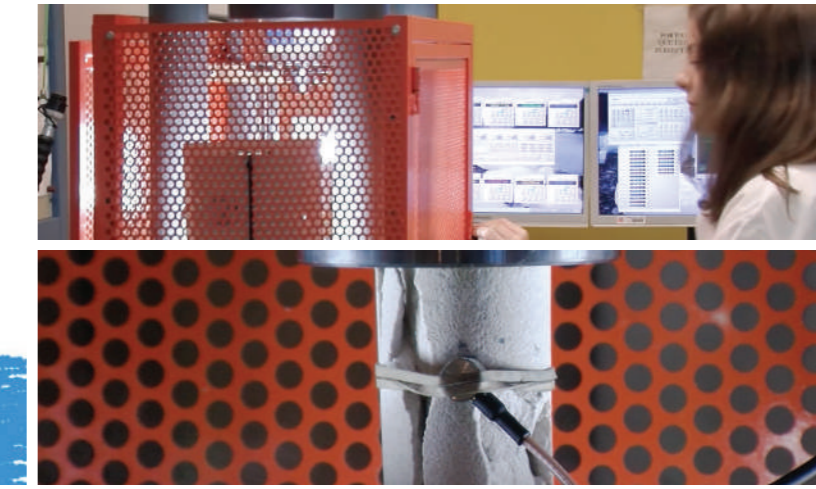
CITEEC as a distinctive element of the Consortium

"Infrastructures capable of undertaking large-scale trials at the level of the most advanced centres in the European Union"

Located in the Campus of Elviña of the University of A Coruña, the **Centre for Technological Innovation in Building and Civil Engineering (CITEEC)** is a unique infrastructure at the international forefront of technology and experimentation in civil engineering and building, which makes its facilities and equipment available to the Consortium.



Structure dynamics



Rock mechanics



Construction

"Collaborative and transversal research on unique scientific-technological capacities and new multidisciplinary R&D&i approaches by innovative sectors"



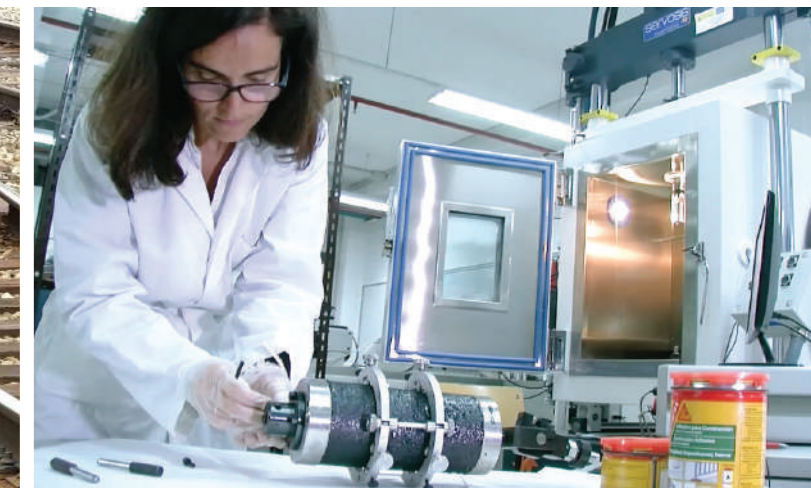
Hydraulic engineering



Ports and Coastal Engineering



Railway engineering and transportation



Geotechnics and roads

Group of Water and Environmental Engineering (GEAMA)
www.geama.org

Group of Numerical Methods in Engineering (GMNI)
caminos.udc.es/gmni

Group of Construction Engineering (GCONS)
www.gcons.udc.es

Group of Architectural Structures (GEA)
<http://gea.udc.es>

Group of Structural Mechanics (GME)
www.gme.udc.es

Group of Roads, Geotechnics and Materials (CGM)
sites.google.com/site/grupocgmetsicccoruna

Group of Railways and Transportation (GFT)
caminos.udc.es/grupos/ferroca

Group of Project Engineering and Management (GRIDP)



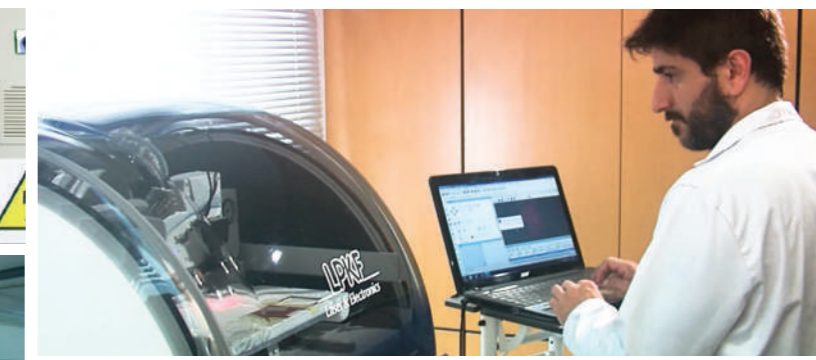
Wastewater treatment engineering



Wind tunnels



Instrumentation and intelligent systems in civil engineering



Numerical methods in engineering