

Department: Mechanical Engineering

Group name: *Research and Development in Energy and Building.*

Acronym: *RADEB*

Group Coordinator: Juárez Castelló, Manuel Celso

ANEP Area(s): Mechanical, naval and aeronautical engineering; Civil engineering and architecture

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Department report: 12/12/2011

RESEARCH TEAM

Number of researchers: 3

<u>Researcher</u>	<u>Department</u>	<u>Professional category</u>
Juárez Castelló, Manuel Celso	Mechanical Engineering	CEU
Alba Irurzun, José Antonio	Mechanical Engineering	CEU
Martínez Santolaya, José Javier	Electrical Engineering	TCP

COLLABORATORS

Nº of collaborators: 0

<u>Collaborators</u>	<u>Department</u>	<u>Professional category</u>
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Lines of research

Energy efficiency.
Thermal behaviour of construction materials.
Simulation of thermal systems by means of FEM.
Optimisation of thermal systems.
Renewable energies.

Scientific and technological offer

Energy audits in industry and the tertiary sector.
Study of construction elements.
Simulation and optimisation of thermal systems.
Thermomechanical analysis and optimization of equipment.
Feasibility studies on renewable energy systems.

National and international relations

University of Burgos, Dr. Eduardo Montero García.
University of the Basque Country, Dr. José M^a Salas Lizarraga.
University of Vigo, Dr. José Luis Míguez Tabarés.
University of Cordoba, Dr. Manuel M^a Ruiz de Adana Santiago.
University of Zaragoza, Dr. Belén Zalba Nonai.
University of Oviedo, Dr. Jorge Xiberta Bernat.
Polytechnic University of Cartagena, Dr Joaquín Zueco Jordán.
University of Bacau, Prof. Dr. Luninita Vivire.
University of La Rioja (Argentina), Prof. D. Jorge Viel.
Autonomous University of Chile, Prof. Dr. Luis Muñoz Velasco.