

**Department: Mechanical Engineering**

**Group name:** *Structures Construction and Development of Industrial Processes*

**Acronym:** *SCoDIP*

**Group Coordinator:** Martínez de Pisón Ascacibar, Eduardo

**ANEP Area(s):** Civil Engineering and Architecture; Technology Transfer

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**Web page:**

**Department report:** 30/10/2016

**RESEARCH TEAM**

**Number of researchers: 3**

<u>Researcher</u>	<u>Department</u>	<u>Professional category</u>
Martínez de Pisón Ascacibar, Eduardo	Mechanical Engineering	TP
Ferreiro Cabello, Javier	Mechanical Engineering	Associate
Fraile García, Esteban	Mechanical Engineering	Interim Contract

**COLLABORATORS**

**Nº of collaborators: 0**

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

- Optimisation for Structural Solutions in Residential Building.
- Development and implementation of Sustainable Construction.
- Research and development of new materials for incorporation into the circular economy in the industrial processes of the construction sector.
- Modelling and incorporation of WTPs into structural analysis processes.
- Life Cycle Analysis (LCA) applied to the construction sector.
- Structural BIM, a new concept of collaborative work among engineering, construction and architectural design.

**Scientific and technological offer**

Collaboration agreements with companies and/or institutions.  
Technology transfers and consulting.  
Modeling and improvement of industrial processes.  
Design and structural analysis projects.  
Elaboration of technical reports.

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**National and international relations**

University of Zaragoza.  
Polytechnic University of Valencia.  
University of Coimbra.  
European University of Madrid.  
ASCEM, Spanish Association for the construction of metal structures.  
Saint-Gobain. WEBER.  
IECA. Spanish Institute of Cement and its Applications.  
Quality Unit at the Eduardo Torroja Institute of Construction Sciences. CSIC.  
Encofrados J. Alsina S.A.  
ArcelorMittal Global R&D - Basque Country Research Centre.  
Spanish Association of Manufacturers of Boiled Clay Bricks and Roof Tiles. HISPALYT.  
ANDECE, National Association of the Precast Concrete Industry.  
Knauf Insulation. Knauf.  
BASF. Construction