

IMAUT



IMAUT is the strategic cooperation unit of the Valencian Technology Centers for the Automotive and Mobility industry. It gathers, coordinates and strengthens the activity of 5 technology centres (AIMME, AIMPLAS, IBV, ITE, ITI) to give a reliable and personalised support to an industry that is currently facing crucial challenges.

IMAUT coordinates the activity of more than 600 persons, with high technical profiles, and delivers solutions based on its own members but also in its extensive partnership network, both in a national and a European level.

ITE



The Energy Technological Institute, founded in 1994, is a private, non-profit-making association whose services, products and technological projects are addressed to national and international public bodies and companies in the power, electric, electronic and communications sectors.

Since it was set up ITE has gradually evolved, applying the most advanced technologies in its developments and consolidating research results. Its horizontal nature has meant that it has at all times been able to respond to the requirements and needs of companies in different sectors, with services, training, research and innovation developments.

ITE's mission is to provide companies with solutions by incorporating technology, from execution of R&D projects and services, tests, training and technological diffusion, for their products, services and processes to be safe and more efficient, thus increasing the competitiveness of the electric, electronic, power, communications, automation and capital goods sectors.

<http://www.ite.es/>

ITI



ITI, is a reference Technological Center specialized in Information and Communication Technologies (ICT) Research, Development and Innovation, offering computer industries the possibility of adding new technologies and capabilities developed in R&D&I projects to their products, processes or business.

Its mission is to research, develop and innovate in information and communications technologies to improve and maintain the competitive position of technology companies, generating and transferring knowledge to the industry and society general.

For its activity, ITI has an organizational structure composed of more than 100 professionals, most researchers and technicians, 94% graduates and 17% PhD.

<http://www.iti.es/>

Transfer-Workshop Cluster 3: Material & Manufacturing: 3D Quality Control Free Fall (Innovation-Award Winner)

MONDRAGON



Mondragón Automoción S.Coop. is made of all the MONDRAGON automotive companies for leading the automotive sector with two main responsibilities: (1) Coordinate and develop strategic medium & long-term relationships with OEM manufacturers and (2) coordinate and develop strategic technical activities for the development of products and processes to launch new activities in the automotive sector. It is organised in three Industrial Divisions, with annual sales close to 1,600 M€ and employing 10,000 people.

The main strategic project of Mondragón Automoción is Mondragon city CAR/VAN electric car. In 2008 a long-term project was activated with three important actions (1) Conduct a complete vehicle experience with a European engineering partner (Lotus), incorporating knowledge of vehicle concepts, systems and processes to build a fully electric car (2) Develop strategies for Mondragon automotive companies to become providers of components for electric cars, and (3) Creating a new company for the design and development of electric cars in coordination with technological agents, three Research Centers and Mondragon University.

<http://www.mondragon-corporation.com/>

MOVE TO FUTURE (M2F)



M2F is the Spanish Automotive and Mobility Technology Platform, coordinates by SERNAUTO. Since 2005, it has worked towards a set of specific objectives:

- **Joining the private sector, technology centers, public research organizations and universities** to establish R&D&I priorities for the automobile sector in Spain and update them periodically
- **Identifying strategic areas** for platform members based on existing technological know-how and R&D potential in Spain
- **Promoting knowledge** among Platform members, their lines of work and their interests in the medium / long term to enhance the proposal and implementation of cooperation projects
- **Collaborating with other** technology platforms and transportation and logistics-related initiatives
- **Making contributions to the European Framework Programme**, updating ERTRAC's strategic agenda, and creating the road map for the **European Green Cars Initiative**
- **Increasing** the number of companies participating in projects **and supporting** the best projects and initiatives, both individual and cooperation, for implementation and achievement of its objectives
- **Advising the government** on policy development

<http://www.move2future.es/>

International Business 2 – America/Europe Workshop: R&D&I in the Spanish Automotive and Mobility Sector: M2F Technology Platform

SERNAUTO



SERNAUTO is the Spanish Automotive Equipment and Components Manufacturers Association. It was founded in 1967 to:

- **Represent the industry** before private and public, national and international organizations
- **Develop a sensibilisation labour** about sectorial issues before the public opinion and Administration
- **Communicate and inform our associates** every issue that could affect their companies, in order they have the better information and can take in this way, the better decisions
- **Lead initiatives to promote innovation and internationalization** of the sector: It is the coordinator of the Spanish Automotive and Mobility Technology Platform Move to Future and the Spanish Support Action Green Cars. Also, it is a key partner of ICEX to support participation in international trade fairs and organisation of commercial missions.

<http://www.sernauto.es/>

TECNOEBRO



TecnoEbro is an Association funded in 2007 by several research centres placed near Campus Río Ebro (Zaragoza, Aragón, Spain), looking for two main goals:

- Coordinate an aggregated technological and educative offer
- Collaborate in knowledge transfer to companies & SMEs

TecnoEbro offers:

- **R&D projects:** coordination and collaboration
- **Specialized technical services**
- **Strategic partner for the R&D:** thinking in the middle term
- **Innovation management:** collaboration with companies & SMEs
- **Education & training** oriented to the industry
- **Dissemination** of activities

<http://www.tecnoebro.com/>

# Spanish Pavilion

NoAE

5<sup>th</sup> Project Day

Dusseldorf

18<sup>th</sup> April 2012



## Presentation

Spain is the 2<sup>nd</sup> largest vehicle producer in Europe, the largest producer of commercial vehicles and the 8<sup>th</sup> largest producer in the world. 87% of the vehicles manufactured in Spain are exported all over the world. The majority are destined for the European market, where France and Germany receive nearly 50%.

One of the things that characterizes the Spanish automotive industry in general is its advanced technological know-how. New market demands and strict safety and environmental standards are the reason for this. New vehicles that consume less energy, produce fewer emissions and offer more comfort and safety for users are necessary. In order to develop these technologies, considerable investments in R&D&I should be made.

M2F – The Spanish Automotive and Mobility Technology Platform helps the automotive industry and all related sectors to be able to meet their strategic and technological challenges through the creation of a culture of innovation and a common line of work. It is comprised of experts from the research units of universities, OPIs (Public Research Organizations), companies, technology centers and engineering agencies, among others. Some of its members participate today in the NoAE - 5<sup>th</sup> Project Day:

AEDIVE



The Spanish Association of Manufacturers of Capital Goods (SERCOBE) promoted in May 2010 the creation of the **Spanish Cluster for the Electric Vehicle Infrastructure (AEDIVE)** that supports the Spanish Strategy for the Implementation of the Electric Vehicle boosted by the Spanish Government.

AEDIVE works to defend the collective interests of its members and is a recognized body that becomes the logical interlocutor of the **Electric Vehicle Infrastructure** industry with Public Administrative Bodies at a national, regional and local authority level.

At the same time, AEDIVE attempts to promote the adequate implementation of the electric vehicle infrastructure by facilitating **business opportunities** to its members and creating synergies between them and with the market.

<http://aedive.es/>

AIMME



The **Metal-Processing Technology Institute (AIMME)**, created in 1987, is a nationally based, private non-profit making association, which is at present made up of more than 600 companies and institutions from the metal processing sector.

The aim of the Institute is to encourage **improvement in the competitiveness of companies in the metal processing sector** through research, development and innovation, both in their productive processes and their products.

These goals are to be achieved through R&D&I projects, both as individual as well as in collaboration consortium for regional, national and European programs, but also through technology transfer, advanced training and technical services.

<http://www.aimme.es/>

AIMPLAS



Since its foundation, the **Plastics Technology Institute (AIMPLAS)**, located in Valencia, has been striving to promote direct contact with companies in all sectors linked with the plastic industry in order to detect their needs and determine the required actions to meet them.

AIMPLAS is a non-profit research association at national and international level. It belongs both to the Network of Technological Institutes of the Valencian Region (REDIT) and to the Spanish Federation of Technological Institutes (FEDIT). It is also an active member of other international networks, such as SUSCOMPNET, EuCIA, AESICOM and IBEROCIT.

AIMPLAS provides a **personalized and integral solution for companies belonging to the sector through coordination of technological services** (testing and laboratory services) and R&D projects.

<http://www.aimplas.es/>

ASCAMM



ASCAMM technology centre is a leading private, non-profit organization specialised in DESIGN, MATERIALS, PRODUCTION TECHNOLOGIES, INDUSTRIAL ICT and POSITIONING & NAVIGATION R&D, which has been developing its activities for 25 years in:

- **Product/process design and development**, from feasibility studies to virtual & industrial prototypes
- **Technical assistance in product industrialization**
- **Process automation**: robotics, mechatronics
- **Contract and collaborative R&D**
- **Innovation management**: IPR protection, new business etc
- **Training and consulting**: at Ascamm, on site and on line

<http://www.ascamm.com/es>

Project Lounge: USM4Autos / BLOWINJECT / ITS meets EV Batteries  
Transfer-Workshop Cluster 2: Communication & Mobility:  
EVIC. Electric Vehicle Position

CAAR



**Cluster de Automoción de Aragón** groups together 37 entities of which 31 are companies that range from SMEs to multinationals, also including major national and regional groups. As a whole these entities:

- **Invoice** more than **1.150 million euros**
- **Employ** more than **5.500 people**
- **Export** approximately **25%** of their production
- **Cover** practically **all the components** that are involved in the creation of a vehicle.

Innovation is a vital factor to achieve the goals pursued by the cluster. In this sense CAAR supports all the innovative ideas that our members propose, from design to management, development and financing, and we provide companies with information on the latest trends in products and processes, promoting relations between the companies and R+D bodies at regional and national level.

<http://www.caaragon.com/>

IBV



The **Biomechanics Institute of Valencia**, founded in 1976, is a technological centre that studies the behaviour of the human body and its interaction with products, environments and services.

The goal of this institute is to **improve quality of life, as well as competitiveness among businesses, by generating and transferring knowledge related to health and well-being technologies** in areas such as biomechanics, ergonomics and emotional engineering. IBV applies its developments in sectors such as automobile and mass transport, sport, habitat, clothing, elderly people and ageing and rehabilitation and personal autonomy.

Over 250 professionals from diverse academic backgrounds work at IBV in interdisciplinary units. The organisation is strategically oriented to market activities.

<http://www.ibv.org/>

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