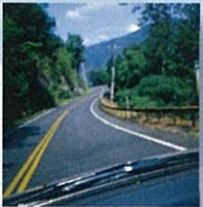
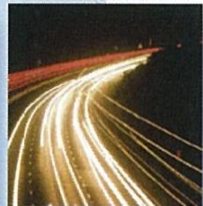
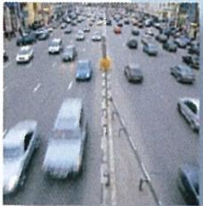
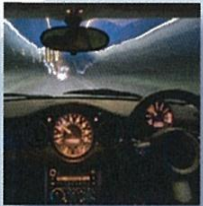
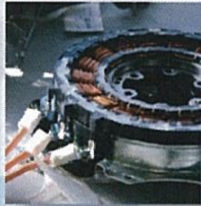
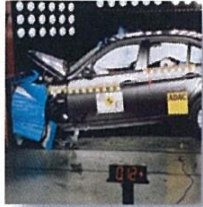


Spanish Automotive and Mobility Technology Platform



2nd largest car maker in Europe, largest producer of industrial vehicles in Europe and 9th in the world. 90% exported to 130 countries in the world.

- 11 companies – 18 production plants

Strong equipment and component manufacturers industry: 29.530 M€ in 2011. 60% in the export market.

- 1000 companies - from SMEs to large international groups

- ▲ 6% GNP
- ▲ 250,000 employees
- ▲ R&D investment of about 3% turnover

M2F

Activities

Members

M2F, the Spanish Automotive and Mobility Technology Platform.

Executive Board:

SERNAUTO: Spanish Association of Automotive Equipment and Components Manufacturers, as main proposer and coordinator

CIE AUTOMOTIVE: Manufacturer of automotive components and sub-assemblies

ANFAC: Spanish Association of Vehicle and Truck Manufacturers

ITS Spain: Spanish Association of Intelligent Transport Systems

TECNALIA Research & Innovation: Spanish private applied research centre

FICOSA International: Manufacturer of automotive components and sub-assemblies

LEAR Automotive (EEDS) Spain: Manufacturer of automotive components and sub-assemblies

R. BOSCH España: Manufacturer of automotive components and sub-assemblies

INSIA-UPM: University institute for automobile research

Objectives:

- ▲ Reinforcement of the R&D structure of the sector
- ▲ Communication and collaboration
- ▲ Projects

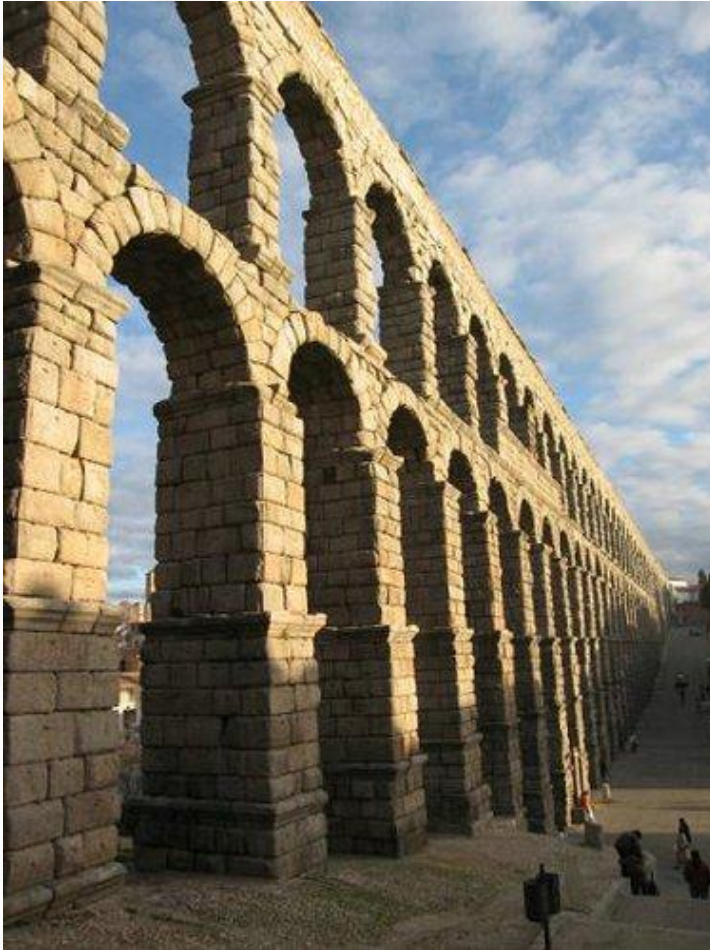
M2F

Activities

Members

Description and objectives

Reinforcement of the R&D structure of the sector



- ▲ **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
- ▲ Making **contributions to the European Framework Programme**, updating ERTRAC's strategic agenda, and creating the road map for the European Green Cars Initiative
- ▲ **Advising the government** on policy development
- ▲ Reviewing of **specifications and legislation** related to automotive sector

M2F

Activities

Members

Description and objectives

Communication and collaboration



- ▲ **Informing** about any initiative, event, call, etc related with the sector
- ▲ **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 others** technology platforms and transportation and logistics-related initiatives

M2F

Activities

Members

Description and objectives Projects



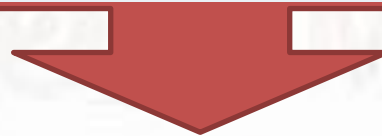
- ▲ **Fostering collaborative activities** between companies and R&D agents
- ▲ **Increasing** the number of companies participating in projects **and supporting** the best **projects and initiatives**, both individual and cooperation, for implementation and achievement of its objectives

M2F

Activities

Members

Car makers	Suppliers of the automotive sector (from SMEs to large industrial groups)
Suppliers of ICT for transport and infrastructures	Engineering companies
Technological Centres	Universities
Related Spanish TPs	Representatives of Public Administrations
Clusters	Consultants



- ▲ **WG1 - Vehicle electrification, energy and resources**
- ▲ **WG2 - Safety**
- ▲ **WG3 - Materials, design and production systems**
- ▲ **WG4 - Mobility in urban and interurban areas**
- ▲ **WG5 - R&D&I promotion**

WG1 - Vehicle electrification, energy and resources

- ▲ **TF1:** *Development of a plug-in rechargeable modular battery systems with a power rating between 10-15kWh with internal cooling system for homogeneous distribution of the cell temperature and external interface with the vehicle's cooling system*
- ▲ **TF2:** *Development of light electric motors of axial flow with integrated modular gearbox*
- ▲ **TF3:** *Development of a new range of highly efficient internal combustion engines (two ultra-compact cylinders) with integrated generator and inverter for using in electric vehicles*

M2F

Activities

Members

WG2 - Safety

- ▲ **TF1:** *Virtual tools applied to improve safety*
- ▲ **TF2:** *Protection of vulnerable road users*
- ▲ **TF3:** *Driver behavior monitoring*

M2F

Activities

Members

**WG3 -
Materials,
design and
production
systems**

- ▲ **TF1:** *Structural composites and nanocomposites for mass production*
- ▲ **TF2:** *Design and simulation*
- ▲ **TF3:** *Technologies to improve competitiveness through total quality*
- ▲ **TF4:** *Environmental and recyclability standards compliance*

M2F

Activities

Members

**WG4 -
Mobility in
urban and
interurban
areas**

- ▲ **TF1:** *Electromobility Living Labs*
- ▲ **TF3:** *ITS and connected vehicle*
- ▲ **TF4:** *Adaptation of the vehicle for the elderly and the disabled*

M2F

Activities

Members

The third edition of the Strategic Research Agenda.

The aim is to:

- ▲ reflect of the values of the Spanish automotive industry
- ▲ nowadays
- ▲ be an outline that helps us prepare for the Strategic Plan for 2020

Private companies, technology centers and public research organizations will benefit from the present document. They can use it as a guide to establish their particular strategies and action plans. European, national and local governments will also find it very useful. It will assist them in defining and implementing tools to increase R&D&I in the sector. Likewise, it indicates how public resources can be used for existing demands and needs.

http://www.move2future.es/index.php?option=com_jdownloads&Itemid=120&view=viewcategory&catid=55



M2F

Activities

Members

Support action to promote Spanish participation in the European Green Cars Initiative.



Objective: To strengthen the Spanish technological position in view of the opportunities of the European Green Cars Initiative.

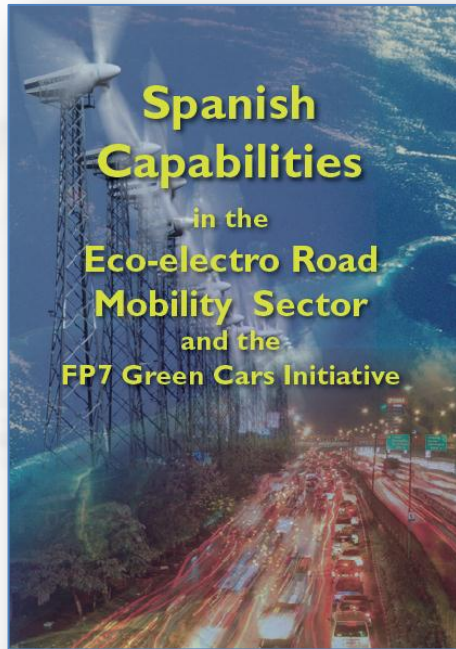
Activities:

- ▲ Compile and disseminate the information about the EGCI and all its ongoing projects
- ▲ Inventory of Spanish stakeholders: within the automotive sector and new actors
- ▲ Identify the main RTD priorities and technological capabilities in Spain
- ▲ Promote and facilitate the participation of Spanish entities in the EGCI calls, up to a level in accordance with national capacities
- ▲ Foster the coordination and cooperation with other relevant sectors: utilities, infrastructures, logistics, hydrogen and fuel cells

M2F

Activities

Members



“R&D Challenges and Opportunities in Electrical-powered Transport” (Saragossa, March 24, 2009)



“Green Cars and Leadership Opportunities in Spain” (Valencia, April 15, 2010)



“Green Cars Spain: Ongoing Projects”
(Valladolid, October 5, 2011)

M2F

Activities

Members

“GREEN CARS SPAIN – BUSINESS CHALLENGES AND GLOBAL OPPORTUNITIES”

Vitoria – 3 October, 2012



M2F

Activities

Members

www.fp7greencars.es (ES/EN)

Sections:

- ☐ Directory
- ☐ Events
- ☐ Documentation
- ☐ Links
- ☐ Projects

GREEN CARS ESPAÑA

 Español
  English

SECCIONES

- INICIO
- DIRECTORIO ENTIDADES
- EVENTOS
- DOCUMENTACION
- ENLACES
- PROYECTOS
- CONTACTO
- COORDINACION

CALENDARIO

Jul 2012						
Lu	Ma	Mi	Ju	Vi	Sa	Do
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Hoy



Green Cars España

La iniciativa europea de los vehículos verdes (**European Green Cars Initiative**) es una de las tres iniciativas puestas en marcha por la Comisión Europea como parte del Plan de Recuperación Económica anunciado y refrendado por los países miembros finales de 2008, para apoyar "inversiones inteligentes" en investigación en el sector de automoción, uno de los pilares básicos de la economía europea.

El objetivo del proyecto "**Acción Complementaria de apoyo a la participación española en la iniciativa europea Green Cars**" es afianzar la posición tecnológica española ante las oportunidades que representa dicha iniciativa y el apoyo e interés institucional europeo por la electromovilidad, con el fin de alcanzar una participación activa en la iniciativa europea acorde con las capacidades nacionales y potenciar la coordinación y cooperación tecnológica de los sectores de fabricantes de vehículos y componentes con otros sectores involucrados: eléctrico, infraestructuras, logística, etc.

Entidades coordinadoras:






GREEN CARS 2012: RETOS DE NEGOCIO Y OPORTUNIDADES GLOBALES, VITORIA

Fecha Inicio: 03/10/2012

Fecha Fin: 03/10/2012

Enlace: <http://www.tecnalia.com/greencars2012/>

Jornada nacional anual Green Cars. Abierta la inscripción on-line. Cerrada la convocatoria de comunicaciones y directorio tecnológico. Mas información en info@fp7greencars.es

Proyecto subvencionado por CDTI en el marco de actuación del subprograma INTEREMPRESAS INTERNACIONAL, con el apoyo del Ministerio de Ciencia e Innovación

M2F

Activities

Members



Is a demand-oriented innovation marketplace. Firms - in a anonymous and user-friendly environment - request solutions related to technology and innovation (e.g. new product development, R&D and Innovation Advising, Technological Forecast, etc.) to all solution providers regardless of providers' category, location and technological expertise. Firms find a solution to all sort of innovation requests faster, easier and confidentially while solution providers close a service contract.

www.seinnova.es

M2F - Capacity Search Tool. It is a user-friendly directory where the own M2F members identify their work areas and technology fields. With a simple search, it can be found the list of entities involve in a determined area.

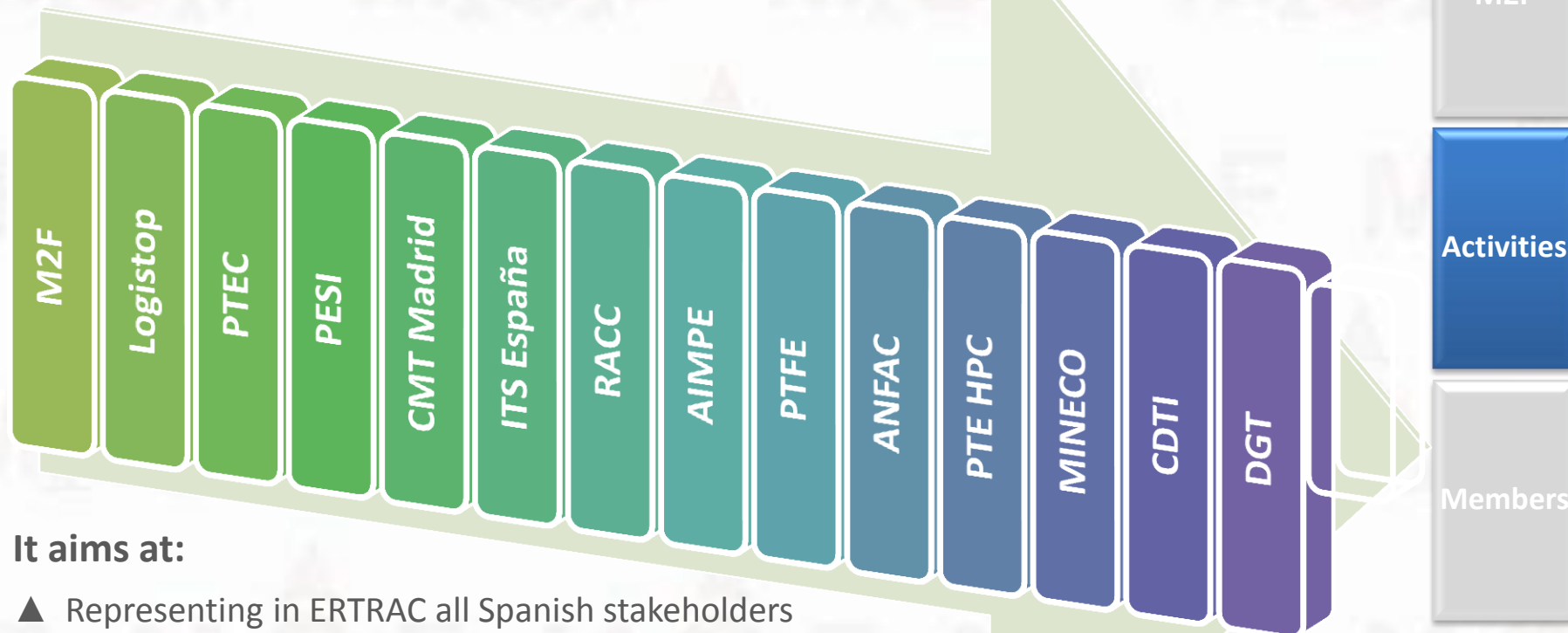
http://www.move2future.es/index.php?option=com_sobi2&sobi2Task=search&Itemid=0

M2F

Activities


Members

Coordination of the **Spanish ERTRAC Forum**. Set up in the beginning of 2009, it involves all national road transport stakeholders.



It aims at:

- ▲ Representing in ERTRAC all Spanish stakeholders
- ▲ Exchanging information

- ▲  **Unit of International Innovation** to promote participation in international programmes, support the preparation of high quality proposals and collect and integrate the areas of interest of the Spanish industry in the definition of the priorities of EU FP work-programmes

- ▲ Participation in **national and international events**

- ▲ Organization of **workshops and Plenary Meetings** (annually), open to all road transport stakeholders

- ▲ **Dissemination:** email, SERNAUTO Informa magazine, www.move2future.es



M2F

Activities

Members

- ▲ ACUSTTEL
- ▲ AEDIVE
- ▲ AENA
- ▲ AIICA
- ▲ AIMEN
- ▲ AIMME
- ▲ AIMPLÁS
- ▲ AIN
- ▲ AMES
- ▲ AMETIC
- ▲ ANÁLISIS-DSC
- ▲ ANDALTEC
- ▲ ANFAC
- ▲ ARIES INGENIERÍA y SISTEMAS
- ▲ ARRÁN AUTOMOCIÓN
- ▲ ASCAMM
- ▲ AT4 WIRELESS
- ▲ AVELE
- ▲ AYUNTAMIENTO DE GRANOLLERS
- ▲ AYUNTAMIENTO DE HOSPITALET
- ▲ AZTERLAN

- ▲ BAYSYSTEMS IBERIA
- ▲ BESEL
- ▲ CALMELL
- ▲ CEIT
- ▲ CEMUSA
- ▲ CENTRO TECNOLÓGICO DE COMPONENTES
- ▲ CENTRO TECN. DE TELECOMUNICACIONES DE CATALUÑA – CTTC
- ▲ CENTRO ZARAGOZA
- ▲ CETEMMSA
- ▲ CIDAUT
- ▲ CIE AUTOMOTIVE
- ▲ COMARTH
- ▲ COTEPSY
- ▲ CT INGENIEROS
- ▲ CTAG
- ▲ CTAG-IDIADA
- ▲ CTM CENTRE TECNOLOGIC
- ▲ DGT
- ▲ DOGA
- ▲ ECO-MOTION
- ▲ EDERTEK S COOP

M2F

Activities

Members

CIE Automotive takes part in the HIRIKO project.

image by William Lark Jr. Smartcities MIT



Characteristics:

- ✓ Innovative navigation systems
- ✓ 120 km autonomy
- ✓ Maximum speed of 90 km/h
- ✓ Can be limited to 50 km/h in the city



M2F

Activities

Members

- ▲ ESM
- ▲ ETRA
- ▲ EUVE
- ▲ EXIDE TECHNOLOGIES
- ▲ FAURECIA INTERIOR SYSTEMS
- ▲ FEMP
- ▲ FICOSA INTERNATIONAL
- ▲ FITSA
- ▲ FRANCISCO ALBERO
- ▲ FUNDACIÓN CETENA
- ▲ FUNDACIÓN CSIC
- ▲ FUNIBER
- ▲ GESTAMP
- ▲ GH ELECTROTERMIA
- ▲ GMV SISTEMAS
- ▲ GOMAVIAL
- ▲ GREEN POWER TECHNOLOGIES
- ▲ GRUPO ANTOLÍN
- ▲ GRUPO CEGASA
- ▲ GRUPO COPO
- ▲ GUARDIA CIVIL

- ▲ HI-IBERIA
- ▲ HOSPITAL UNIV. 12 DE OCTUBRE
- ▲ IBV
- ▲ IDEKO
- ▲ IDIADA
- ▲ IKERLAN
- ▲ iMAUT
- ▲ INABENSA
- ▲ INASMET
- ▲ INDUSTRIAS PUIGJANER
- ▲ INGEINNOVA
- ▲ INSTITUTO TECNOLÓGICO DE ARAGÓN
- ▲ INTA
- ▲ ITS ESPAÑA
- ▲ KLARIUS
- ▲ KONIKER
- ▲ LEAR
- ▲ LEITAT
- ▲ LITEC
- ▲ LORTEK
- ▲ LUREDERRA

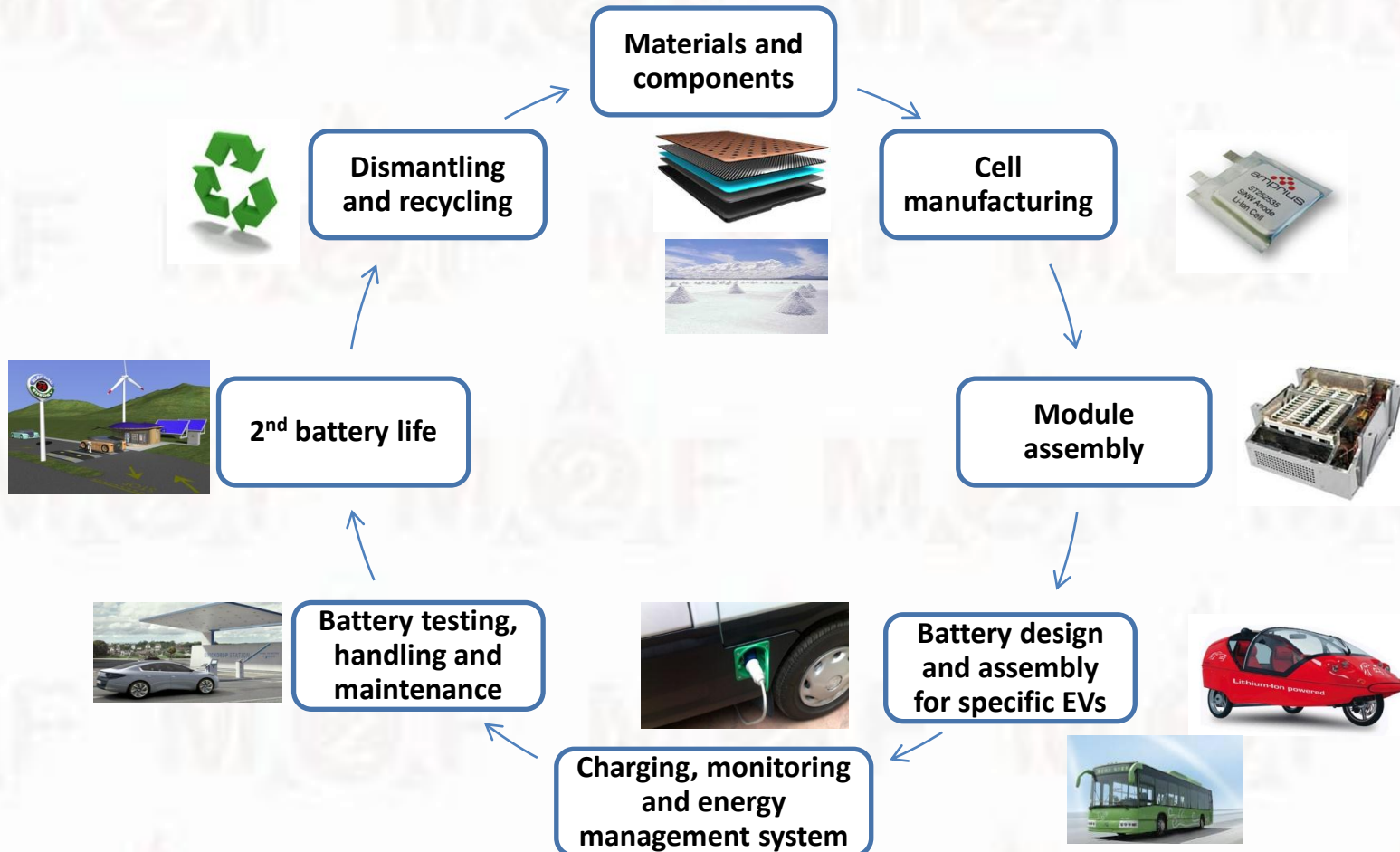
M2F

Activities

Members

New technologies: SEAT – FICOSA – SANYO Agreement

SEAT, Ficosa and Sanyo have signed an agreement to promote the development of batteries for electric vehicles in Spain and Portugal.



M2F

Activities

Members

- ▲ MAIER TECHNOLOGY CENTRE S COOP
- ▲ MINETUR
- ▲ MMM
- ▲ MONDRAGÓN AUTOMOCIÓN S. COOP.
- ▲ MOVIQUITY
- ▲ MP TUBOS DE GOMA
- ▲ NIT
- ▲ NÚCLEO
- ▲ POLICÍA LOCAL DE ZARAGOZA
- ▲ PRODINTEC
- ▲ PROMETEO
- ▲ RACC
- ▲ ROBERT BOSCH
- ▲ RODAL INGENIERÍA
- ▲ SAFT
- ▲ SAINT GOBAIN CRISTALERÍA
- ▲ SEAT
- ▲ SERNAUTO
- ▲ SICE
- ▲ SIDENOR I+D
- ▲ SIEMENS

- ▲ TECHNET
- ▲ TECNALIA
- ▲ TECNOLÓGICO FUNDACIÓN DEUSTO
- ▲ TEKIA
- ▲ TEKNIA
- ▲ TEKNIKER
- ▲ TELEFÓNICA I+D
- ▲ TELVENT
- ▲ TENNECO
- ▲ UNIV. POLITÉCNICA DE CATALUÑA
- ▲ UNIV. POLITÉCNICA DE CATALUÑA - CENIT
- ▲ UNIV. POLITÉCNICA DE CATALUÑA - CITCEA
- ▲ UNIV. POLITÉCNICA DE CATALUÑA - CSIC
- ▲ UNIV. POLITÉCNICA DE MADRID
- ▲ UNIV. POLITÉCNICA DE MADRID - GATV
- ▲ UNIV. POLITÉCNICA DE MADRID- INSIA
- ▲ UNIV. POLITÉCNICA DE VALENCIA - CMT
- ▲ Motores Térmicos
- ▲ UNIV. POLITÉCNICA DE VALENCIA – CRIA
- ▲ UNIV. POLITÉCNICA DE VALENCIA – Instituto ITEAM
- ▲ UNIVERSIDAD CARLOS III
- ▲ UNIVERSIDAD CARLOS III - ISVA

M2F

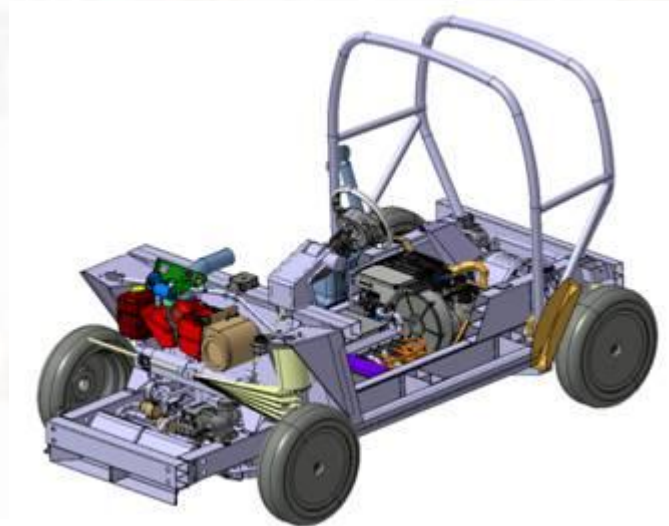
Activities

Members

The main strategic project of **Mondragón Automoción** is Mondragon city CAR/VAN electric car.

Three important tasks:

- 1) Conduct a complete vehicle experience with a European engineering partner (Lotus)
- 2) Develop strategies for Mondragon automotive companies
- 3) Creating a new company for the design and development of electric cars



M2F

Activities

Members

- ▲ UNIVERSIDAD DE ALCALÁ - Dpto. Electrónica
- ▲ UNIVERSIDAD DE BARCELONA - Fundación Bosch Gimpera
- ▲ UNIVERSIDAD DE BURGOS
- ▲ UNIVERSIDAD DE MÁLAGA-ESCUELA INGENIEROS INDUSTRIALES
- ▲ UNIVERSIDAD DE MÁLAGA-GRUPO DE INGENIERÍA MECÁNICA
- ▲ UNIVERSIDAD DE MONDRAGÓN
- ▲ UNIVERSIDAD DE SEVILLA - Ingeniería e Infraestructura de Transportes
- ▲ UNIVERSIDAD DE VALENCIA - INTRAS
- ▲ UNIVERSIDAD DE VALLADOLID
- ▲ UNIVERSIDAD DE ZARAGOZA
- ▲ UNIVERSIDAD DE ZARAGOZA - CIRCE
- ▲ UNIVERSIDAD DE ZARAGOZA - OTRI
- ▲ UNIVERSIDAD JAUME I
- ▲ UNIVERSIDAD REY JUAN CARLOS
- ▲ UNIVERSIDAD ROVIRA I VIRGILI
- ▲ YOHKON

M2F

Activities

Members



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