objectives

The core objective of the project "Green-Car Eco-Design" is to introduce environmental considerations from the Design stage (ISO 14006) of the different main components of EV, and to increase the knowledge of their Life Cycle Environmental Impacts.

It is also important to transfer the achieved results, for what the training of the associated companies will be carried out, by means of workshops and an e-learning module through the website, as well as the dissemination, being planned the celebration of public events in each of the partner regions.

+info:
www.greencar-ecodesign.com

Centro tecnológico CARTIF

ctm CENTRE TECNOLÒGIC

GOI ESKOLA POLITEKNIKOA
ESCUELA POLITÉCNICA SUPERIOR
MONDRAGON UNIBERTSITATEA

IAT Innovación y Tecnología

ita INSTITUTO TECNOLOGICO DE ARAGON

ESTIA RECHERCHE
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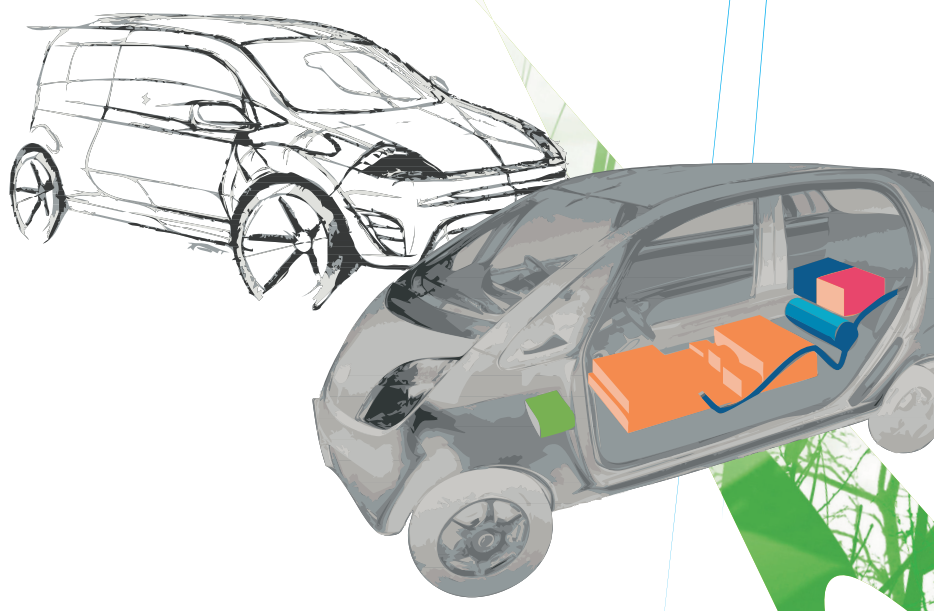
IPS Instituto Politécnico de Setúbal

[en]

eco-design for eco-innovation: the green-car case.

greencar ecodesign



SUDOE Interreg IV B

UE/EU - FEDER/ERDF

THE PROJECT

Green-Car Eco-Design was approved in the 2nd call of the Territorial Cooperation Programme of South-West Europe (INTERREG IV B SUDOE), that supports the regional development through transnational co-financing projects by the ERDF (European Regional Development Fund).

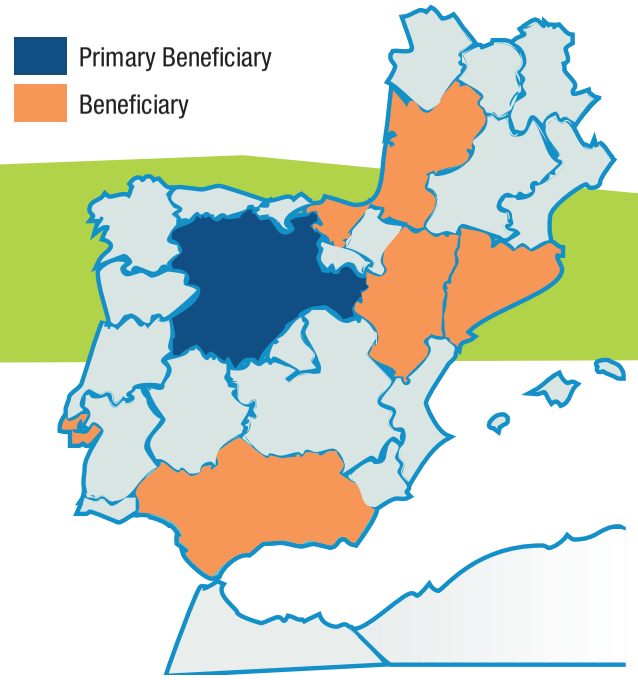
Total budget: 1.168.699,00 euros

EU financial contribution: 876.524,25 euros

Duration: 01/01/2011 - 31/12/2012

WORK PACKAGES

WORK PACKAGES	ACTIONS				
	1st ACTION	2nd ACTION	3rd ACTION	4th ACTION	5th ACTION
ELECTRIC VEHICLE SUBSYSTEMS AND IMPLANTATION IMPLICATIONS	State of the art of "Know-how" on the EV	Breakdown in the main components of an electric car	Identification of the final car topology to be studied	SWOT analysis to its widespread use	
INCLUSION OF THE ENVIRONMENTAL VARIABLE FROM THE DESIGN STAGE	Reference Design of several technologies for each component	Virtual simulation of the behaviour of initial models	Eco-innovation of the main components of the electric vehicle	Virtual simulation of the eco-innovated components	Evaluation of the obtained environmental improvement
DEVELOPMENT AND VALIDATION OF ECO-INNOVATED PROTOTYPES	Development, adjustment and prototype test of the eco-innovated components	Comparison of environmental impact: theoretical data and results obtained with the developed prototypes	Virtual modeling of the entire vehicle incorporating the eco-redesigned components. Results analysis	Assessment of the eco-innovated options: evaluation of the different new components and adaptation to the rest of elements in a EV	Analysis of the implications the new components incorporations has in the rest of systems
TRANSFER OF THE ACHIEVED RESULTS	Development of a data base with the environmental impact of the EV components	Identification of the priority scenarios and environmental study of the current and potential implantation of EV in the SUDOE area	Training of associated companies		



GREEN CAR ECO DESIGN