

# network enterprise europe



Business Support on Your Doorstep




## Andalusian Capacities:

## FP7 TRANSPORT 2012 Calls (INCLUDING AERONAUTICS)



Centro de Innovación y Transferencia de Tecnología de Andalucía, CITAndalucía  
CONSEJERÍA DE ECONOMÍA, INNOVACIÓN Y CIENCIA



This document has been elaborated by the Centre of Innovation and Technology Transfer of Andalusia, CITAndalucía ([www.citandalucia.es](http://www.citandalucia.es))

For additional information about the content of this document you may contact

ENTERPRISE EUROPE NETWORK (CESEAND)  
Centro de Innovación y Transferencia de Tecnología de Andalucía, CITAndalucía

Lourdes Valero Arbizu  
[lourdes.valero@juntadeandalucia.es](mailto:lourdes.valero@juntadeandalucia.es)  
Avda. Isaac Newton nº4  
Pabellón de Italia – Isla de la Cartuja  
41092 Sevilla (Spain)

Maria Dolores Guillén Ruíz  
[mariad.guillen.ruiz@juntadeandalucia.es](mailto:mariad.guillen.ruiz@juntadeandalucia.es)  
Avda. Isaac Newton nº4  
Pabellón de Italia – Isla de la Cartuja  
41092 Sevilla (Spain)

Seville, 7th September 2011

## PREAMBLE

This document has been conceived as a working document of the Andalusian node of the Enterprise Europe Network to promote and to foster the participation of Andalusian entities in the 7th Framework Programme.

The purpose of this document is to summarize the potential of the Andalusian entities within the 2012 call of proposal of the Seventh Framework Programme in the Transport theme:

- FP7-AAT-2012-RTD-1
- FP7-SST-2012-RTD-1
- FP7-2012-GC-MATERIALS
- FP7-TRANSPORT-2012-MOVE-1

With this document, CITAndalucía pretends to reflect the interests and needs in research and development of Andalusian entities involved in this thematic field in order to help short-term collaboration in FP7 projects.

The document gathers what we have called Expressions of Interests (EoI) of several Andalusian entities in different topics funded under the calls for proposals FP7-TRANSPORT-2012. Each EoI includes a description of the Andalusian entity interested in the specific topic as well as the expertise and capacities that each entity offers to the specific topic.

The structure of the document follows the structure of the Transport Work Programme in terms of areas and topics. Therefore EoIs are listed accordingly to the reference of each topic.

## LIST OF CONTENTS

### AERONAUTICS AND AIR TRANSPORT

---

#### ***Challenge 1: Eco-Innovation***

AAT.2012.1.2-1. Production	
Airbus Operations.....	07
AAT.2012.1.3-2. Airports	
AERTEC Ingeniería y Desarrollos.....	08

#### ***Challenge 2. Safe and Seamless Mobility***

AAT.2012.2.2-2. Airports	
Aeriam Technologies.....	10
AAT.2012.3.1-2. Noise and vibration	
Alestis Aerospace.....	12

#### ***Challenge 3. Competitiveness through Innovation***

AAT.2012.4.1-1. Design systems and tools	
Airbus Operations.....	14
AAT.2012.4.1-5. Production	
Airbus Operations.....	15
AAT.2012.4.2-6. Maintenance and repair	
AERTEC Ingeniería y Desarrollos.....	16

#### ***Cross-Cutting Activities***

AAT.2012.7-25. Assessment of the potential insertion of unmanned aerial system in the air transport system	
AERTEC Ingeniería y Desarrollos.....	18
AAT.2012.7-26. Efficient airports for Europe	
AERTEC Ingeniería y Desarrollos.....	21
AAT.2012.7-28. Facilitating access to aircraft for disabled people	
Aeriam Technologies.....	23

## SUSTAINABLE SURFACE TRANSPORT

---

### **Challenge 1: Eco-Innovation**

SST.2012.1.1-3. Management of energy in railway systems	
CEMOSA.....	25
CITIC.....	27

### **Challenge 2. Safe and Seamless Mobility**

SST.2012.2.4-3. Efficient rolling stock and train operations for competitive rail freight services	
CEMOSA.....	29
CETEMET.....	31

SST.2012.3.1-1. Research actions regarding the accessibility of transport systems	
CITIC.....	34

SST.2012.3.1-2. Innovative design and operation of new or upgraded efficient urban transport Interchanges	
CEMOSA.....	35
CITIC.....	37

SST.2012.3.2-1. Coordinating innovation for efficient bus systems in the urban environment	
CETEMET.....	39

SST.2012.4.2-1. Priorities for road safety research in Europe	
CEMOSA.....	41

### **Challenge 3. Competitiveness through Innovation**

SST.2012.5.2-1. Tools and conditions for attractive, efficient and competitive single wagonload traffic and its interaction with road and intermodal transports	
CEMOSA.....	43

SST.2012.5.2-2. Next generation tools for optimised infrastructure asset management.	
CEMOSA.....	45
CITIC.....	47

SST.2012.5.2-3. Innovative structural and outfitting materials for ships including inland ships	
Andaltec R&D Foundation.....	49

SST.2012.5.2-4. Innovation and standardisation in the field of signalling to accelerate a European Train Control System rollout	
CETEMET.....	52

## THE 'EUROPEAN GREEN CARS INITIATIVE'

---

GC.SST.2012.1-1. Innovative advanced lightweight materials for the next generation of environmentally friendly electric vehicles	
Andaltec R&D Foundation.....	54
GC.SST.2012.1-7. Demonstration of Urban freight Electric Vehicles for clean city logistics	
CETEMET.....	56
GC.SST.2012.2-2. Complete vehicle energy management	
CETEMET.....	58
GC.SST.2012.3-2. Improve capturing and sharing of transport data in support of innovative freight transport schemes	
CITIC.....	60
CETEMET.....	62
GC.SST.2012.3-4. Green hubs enabling co-modal network design	
CITIC.....	64

## Organization: Airbus Operations

Contact Details	
<b>Organization</b>	Airbus Operations SL
<b>Contact Person</b>	Juan Ramon Astorga Ramirez
<b>Full Address</b>	Airbus Operations S.L., Manufacturing Engineering – TMDAT, Puerto Real Plant. Polígono Industrial El Trocadero s/n
<b>Postcode</b>	11510 <b>City</b> Puerto Real - Cadiz
<b>Tel.</b>	+34 646 484036 <b>Fax</b>
<b>Email</b>	Juan.astorga@airbus.com
<b>Web address</b>	www.airbus.com

Area or Topic of interest	
<b>Call identifier</b>	FP7-AAT-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	AAT.2012.1.2-1. Production

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	Airbus is one of the world's leading manufacturers of commercial jetliners and military airlifters, having evolved during the past 40 years on the vision, innovation and passion of its employees.
<b>Expertise offered (related to the topic)</b>	<ul style="list-style-type: none"> <li>• Experience in Industrial Development of Automatic Assembly Systems.               <ul style="list-style-type: none"> <li>- Jigs and Tool for assembly lines</li> <li>- Automatic drilling &amp; riveting end-effector and machines.</li> <li>- Interface human-machine</li> <li>- Drilling technology (ADU's, cutting tools definition, geometrics, parameters, for CFRP and hybrid stacks)</li> <li>- Riveting technology (blind bold, HI-lite, lock bolts, solid for CFRP and hybrid stacks.)</li> </ul> </li> </ul>

Previous FP experience	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
(If "yes", please indicate project acronyms: ADFAST)	

**I agree to the publication of my data.**

**Organization: AERTEC INGENIERIA Y DESARROLLOS S.L.U.**

Contact Details	
<b>Organization</b>	AERTEC Ingeniería y Desarrollos S.L.U.
<b>Contact Person</b>	CARLOS BERENGUER LÓPEZ
<b>Full Address</b>	MARIA CURIE, 10. PARQUE TECNOLÓGICO DE ANDALUCÍA.
<b>Postcode</b>	29590 <b>City</b> Málaga
<b>Tel.</b>	+34 902060100 <b>Fax</b> +34 952020174
<b>Email</b>	cberenguer@aertec.es
<b>Web address</b>	www.aertec.es

Area or Topic of interest	
<b>Call identifier</b>	FP7-AAT-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	AAT.2012.1.3-2. Airports

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input checked="" type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>AERTEC is an SME engineering company specialised in consultancy, infrastructures and airport technology, aeronautical industries and distribution centres. The company was established in 1997 and is based in Malaga, Spain.</p> <p>Thanks to the high qualification level and specialisation of our professionals we are capable of incorporating into the large scale world wide aeronautical programmes providing added value.</p> <p>AERTEC's workforce currently stands at around 200 people, 85% of them being university graduates. As an engineering company specialised in airports, we provide services in consultancy (airport master plans, feasibility studies, CAPEX and OPEX analysis, aeronautical studies, etc.), infrastructures (airfields, terminal areas, airport facilities, navigations aids, etc.) and systems (ICT consultancy, outsourcing, software development, etc.)</p>
<b>Expertise offered (related to the topic)</b>	<p>AERTEC has a great experience in both, handling processes and aircraft systems. We have been assessing the quality of the handling operations in many airports (Palma de Mallorca, Barcelona, Málaga, etc.) and have detected that there are many options to improve the efficiency and safety of these operations to get the target of reducing time and costs. Additionally, our experience in the manufacturing process of aircrafts is a great advantage in terms of identifying the best way to simplify the handling process. This topic is the ideal one to bring to live these innovative ideas.</p>



**Previous FP experience**

**Yes**

**No**

(If “yes”, please indicate project acronyms: )

**I agree to the publication of my data.**

## Organization: AERIAM TECHNOLOGIES S.L.

Contact Details		
<b>Organization</b>	Aeriam Technologies S.L.	
<b>Contact Person</b>	Juan José Torres Trella	
<b>Full Address</b>	Maria Curie, 10. Parque Tecnológico De Andalucía.	
<b>Postcode</b>	29590	<b>City</b> MÁLAGA
<b>Tel.</b>	+34 902060106	<b>Fax</b> +34 952020174
<b>Email</b>	jtorres@aeriam.com	
<b>Web address</b>	www.aeriam.com	

Area or Topic of interest	
<b>Call identifier</b>	FP7-AAT-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	AAT.2012.2.2-2. Airports

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input checked="" type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>AERIAM is an IT and communication technology firm founded in November 2003, specialising in the processes, infrastructures and systems that airports, aeronautical industries and building and infrastructure technologies require to operate safely and efficiently.</p> <p>AERIAM develops solutions to improve passenger experience and airport operations:</p> <ul style="list-style-type: none"> <li>- AERIAM has products already developed for the transport sector with proven references</li> <li>- Ensuring integration of products and systems</li> <li>- Developing solutions using standards and customer's own methodologies.</li> </ul> <p>To this end, AERIAM provides personnel specialized in the transport sector: Aeronautical Engineers, Airport Process Consultants, Telecommunications Engineers, Systems Analysts, Software Analysts, Security Consultants, and IT Consultants.</p> <p>AERIAM's focus on the development of "turnkey" solutions has led to the development of our large technological product portfolio, aimed at improving the airport user experience in three aspects:</p> <ul style="list-style-type: none"> <li>• Passenger attention</li> <li>• Monitoring and control of service quality levels</li> <li>• Management in real time</li> </ul>

	AERIAM has implemented and maintains a quality and environmental system based on the UNE-EN-ISO 9001:2000, UNE-EN-ISO 14001:2004, OHSAS:18001, UNE-EN-ISO 27000 and Micorsoft Partner Gold.
<b>Expertise offered (related to the topic)</b>	<p>AERIAM develops solutions to improve passenger experience and airport operations:</p> <ul style="list-style-type: none"> <li>• Monitoring systems (CCTV and SCADA) to improve passenger flow in Terminals.</li> <li>• Multimedia information systems for passenger including integration with airport systems.</li> <li>• Monitoring systems to control SLA of Handling and Airlines.</li> <li>• Airport baggage identification systems (RFID)</li> <li>• Automatic reading of Aircraft registration in runways.</li> <li>• Solutions to integrate all systems needed in a Crisis Room.</li> <li>• Real time mobility solutions to manage different services at airports (handling, security, cleaning service, disabled, airbridge)</li> </ul>

Previous FP experience
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(If “yes”, please indicate project acronyms:      )

**I agree to the publication of my data.**

## Organization: Alestis Aerospace

Contact Details		
<b>Organization</b>	Alestis Aerospace S.L.	
<b>Contact Person</b>	Juan de Mesa Porras	
<b>Full Address</b>	Hermanos d'Eluyar, s/n	
<b>Postcode</b>	41092	<b>City</b> Sevilla
<b>Tel.</b>	+34 955 34 30 20	<b>Fax</b>
<b>Email</b>	Juan.demesa@alestis.aero	
<b>Web address</b>	www.alestis.aero	

Area or Topic of interest	
<b>Call identifier</b>	FP7-AAT-2012-RTD-1
<b>Topic (as stated in the Work Programme)</b>	AAT.2012.3.1-2. Noise and vibration

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input checked="" type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p><b>Alestis Aerospace</b> is a first level (TIER1) aerostructure supplier whose activities encompass the fields of design, development, manufacturing and post-sales of structural configurations for the aeronautics industry. The knowledge, experience and technological skills in carbon fiber provide Alestis a leadership position in aerostructures made of composite material.</p> <p>Alestis is developing many products in the fields of metallic forming and assembly and composite production and assembly. The most important are:</p> <ul style="list-style-type: none"> <li>• Boeing B787: HS Trailing Edge.</li> <li>• Boeing B777: Wing Movables.</li> <li>• Airbus A350XWB: Belly Fairing and Tail Cone.</li> <li>• Airbus A380: Belly Fairing, Tail Cone and Main Landing Gear Door.</li> <li>• Airbus A330/A340: PAX Door.</li> <li>• Airbus A320: Horizontal Stabilizer and Main Landing Gear Door.</li> <li>• Embraer ERJ 145: Wing Movables.</li> <li>• Embraer ERJ 170: Wing Staub.</li> <li>• Embraer ERJ 190/195: Central Wing Box.</li> <li>• Dassault F7X: HS leading Edge.</li> <li>• Embraer Legacy 450/500: Central Fuse.</li> <li>• Embraer Phenom 100/300: Empennage and Wing Movables.</li> <li>• Sikorsky S92: Interior Panels.</li> <li>• Airbus Military A400M: Elevator.</li> <li>• Airbus Military C295: Rear Fuselage, Empennage and Nose Fuselage.</li> <li>• Airbus Military CN235: Rear Fuselage, Empennage and Nose Fuselage.</li> <li>• Airbus Military Tanker: Conversion stations.</li> </ul>

	<p><b>R&amp;D+i Alestis department</b></p> <p>Aware of the importance given by the aeronautics business to research into materials and technologies, Alestis Aerospace invests heavily in R&amp;D+i from its technological centres in Seville and Madrid through participation in several national and regional programs.</p> <p>Precision and quality technology that is compliant with the most demanding cost saving specifications defines Alestis Aerospace culture. Our Engineering and Technological Development Department tirelessly works in research of new technologies applicability (automation of low cost layers, new production cycles, environmental friendly components, high integration parts), materials (new generation, high specification pre-preg, multifunction materials, through thickness reinforcing, composite recyclability) and procedures (resin injection and infusion with "Non Crimp Fabrics" materials; co-cured, co-adhesive and/or secondary spars adhesive; processes outside autoclave...) in our current and future products. To this effect, agreements are held with important universities, technological centers and companies. Alestis' Technological Plan also enables us to launch R&amp;D+i projects required to be always prepared for facing up to future challenges.</p> <p>Nowadays Alestis is developing a variety of R&amp;D projects as:</p> <ul style="list-style-type: none"> <li>• CENIT-TARGET.</li> <li>• Plan de competitividad empresarial 2010.</li> <li>• Regional programs.</li> </ul>
<p><b>Expertise offered (related to the topic)</b></p>	<ul style="list-style-type: none"> <li>• Noise reduction in air intake ducts.</li> <li>• R&amp;D+i project management.</li> <li>• Design and development of aeronautical components.</li> <li>• Manufacturing and assembly of high integrated composite parts: <ul style="list-style-type: none"> <li>○ Autoclaves.</li> <li>○ Clean rooms.</li> <li>○ Automatic Tape Laying machine.</li> <li>○ Automatic Fiber Placement machine.</li> <li>○ 5 axis CNC milling machine.</li> </ul> </li> <li>• Surface treatments.</li> <li>• Acoustic testing expertise</li> </ul> <p>European projects related to the noise reduction in aircraft:</p> <ul style="list-style-type: none"> <li>• 3<sup>rd</sup> Framework Programme: <ul style="list-style-type: none"> <li>○ BRAIN: Basic Research in Aircraft Interior Noise.</li> <li>○ RHINO: Reduction of Helicopter Internal Noise.</li> </ul> </li> </ul>

<b>Previous FP experience</b>
<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
<p>(If "yes", please indicate project acronyms: DEMIAT and HITECEC)</p> <p>Clean Sky 7<sup>th</sup> Call for Proposals: Call ID "SP1-JTI-CS-2010-05" Topics ITD-GRA-01-034 and ITD-ECO-01-010.</p>

**I agree to the publication of my data.**

## Organization: Airbus Operations

Contact Details	
<b>Organization</b>	Airbus Operations SL
<b>Contact Person</b>	Juan Ramon Astorga Ramirez
<b>Full Address</b>	Airbus Operations S.L., Manufacturing Engineering – TMDAT, Puerto Real Plant. Polígono Industrial El Trocadero s/n
<b>Postcode</b>	11510 <b>City</b> Puerto Real - Cadiz
<b>Tel.</b>	+34 646 484036 <b>Fax</b>
<b>Email</b>	Juan.astorga@airbus.com
<b>Web address</b>	www.airbus.com

Area or Topic of interest	
<b>Call identifier</b>	FP7-AAT-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	AAT.2012.4.1-1. Design systems and tools

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	Airbus is one of the world's leading manufacturers of commercial jetliners and military airlifters, having evolved during the past 40 years on the vision, innovation and passion of its employees.
<b>Expertise offered (related to the topic)</b>	<ul style="list-style-type: none"> <li>• Experience in Industrial Development of Automatic Assembly Systems.             <ul style="list-style-type: none"> <li>- Jigs and Tool for assembly lines</li> <li>- Automatic drilling &amp; riveting end-effector and machines.</li> <li>- Interface human-machine</li> <li>- Drilling technology (ADU's, cutting tools definition, geometrics, parameters, for CFRP and hybrid stacks)</li> <li>- Riveting technology (blind bold, HI-lite, lock bolts, solid for CFRP and hybrid stacks.)</li> </ul> </li> </ul>

Previous FP experience	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
(If "yes", please indicate project acronyms: ADFAST)	

**I agree to the publication of my data.**

## Organization: Airbus Operations

Contact Details	
<b>Organization</b>	Airbus Operations SL
<b>Contact Person</b>	Juan Ramon Astorga Ramirez
<b>Full Address</b>	Airbus Operations S.L., Manufacturing Engineering – TMDAT, Puerto Real Plant. Polígono Industrial El Trocadero s/n
<b>Postcode</b>	11510 <b>City</b> Puerto Real - Cadiz
<b>Tel.</b>	+34 646 484036 <b>Fax</b>
<b>Email</b>	Juan.astorga@airbus.com
<b>Web address</b>	www.airbus.com

Area or Topic of interest	
<b>Call identifier</b>	FP7-AAT-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	AAT.2012.4.1-5. Production

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	Airbus is one of the world's leading manufacturers of commercial jetliners and military airlifters, having evolved during the past 40 years on the vision, innovation and passion of its employees.
<b>Expertise offered (related to the topic)</b>	<ul style="list-style-type: none"> <li>• Experience in Industrial Development of Automatic Assembly Systems.               <ul style="list-style-type: none"> <li>- Jigs and Tool for assembly lines</li> <li>- Automatic drilling &amp; riveting end-effector and machines.</li> <li>- Interface human-machine</li> <li>- Drilling technology (ADU's, cutting tools definition, geometrics, parameters, for CFRP and hybrid stacks)</li> <li>- Riveting technology (blind bold, HI-lite, lock bolts, solid for CFRP and hybrid stacks.)</li> </ul> </li> </ul>

Previous FP experience	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
(If "yes", please indicate project acronyms: ADFAST)	

**I agree to the publication of my data.**

**Organization: AERTEC INGENIERIA Y DESARROLLOS S.L.U.**

Contact Details	
<b>Organization</b>	AERTEC Ingeniería y Desarrollos S.L.U.
<b>Contact Person</b>	PEDRO BECERRA RUBIO
<b>Full Address</b>	MARIA CURIE, 10. PARQUE TECNOLOGICO DE ANDALUCIA.
<b>Postcode</b>	29590 <b>City</b> Málaga
<b>Tel.</b>	+34 902060100 <b>Fax</b> +34 952020174
<b>Email</b>	pbecerra@aertec.es
<b>Web address</b>	www.aertec.es

Area or Topic of interest	
<b>Call identifier</b>	FP7-AAT-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	AAT.2012.4.2-6. Maintenance

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input checked="" type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>AERTEC is an SME engineering company specialised in consultancy, infrastructures and airport technology, aeronautical industries and distribution centres. The company was established in 1997 and is based in Malaga, Spain.</p> <p>Thanks to the high qualification level and specialisation of our professionals we are capable of incorporating into the large scale world wide aeronautical programmes providing added value.</p> <p>AERTEC's Aeronautical Industry Division is dedicated to Industrial Systems, Airports, Aeronautics and Advanced projects, having expertise in different work areas:</p> <ul style="list-style-type: none"> <li>• Engineering of Airport and Industrial Systems:</li> <li>• Monitoring and automation.</li> <li>• Process optimising.</li> <li>• Management and Overhaul.</li> <li>• Maintenance Engineering.</li> <li>• Trial Tools for the railway industry.</li> <li>• Engineering of Aeronautical Systems:</li> <li>• Specification, design, execution and support of functional tests.</li> <li>• Test Infrastructure: software, hardware, racks, connector panels and wire harnesses.</li> <li>• System integrations.</li> <li>• Test means manufacturing: BRAIM, RAT Tool, simulator GE, etc.</li> <li>• Advanced R&amp;D projects of onboard software for navigation and control of unmanned aircraft (UAS): ATLANTIDA, SINTONIA, GretaAD, NAVA...</li> </ul>



<p><b>Expertise offered (related to the topic)</b></p>	<p>AERTEC has developed a maintenance supervisor system included in its SAA (Aircraft Assistance System) for Malaga Airport.</p> <p>The SAA system is a Real-Time SCADA system that monitors the status of the passenger boarding bridges of the Malaga airport. It supervises the services provided to the aircrafts located at the bridges by the airport facilities such as the 400Hz power, air-conditioning, dock guide, etc. It handles around 58K signals from 10 boarding bridges and integrates four different machines in each bridge with various communication protocols (FINS, ModBUS, Ethernet, etc).</p> <p>The system also involves the integration of several PLCs and touch panels that allow the interface with the airport personnel (operation and maintenance), and considers the automatic generation of statistics and reports, for the proper capture, record and analysis of the results.</p> <p>The SAA system main features are:</p> <ul style="list-style-type: none"> <li>• Ten work station each one with four different machines are full time (24 hours / 365 days) monitored.</li> <li>• SQL Database storing Interfaces and PLCs data, including components' usefull life, manufacturing data and warehouse stakeholder.</li> <li>• Software application, continuously running in the same SQL server, checking the times of use of the lights, actuators, sensor, ...</li> <li>• Users access through touch panels</li> <li>• Users activities registration and record, periodic maintenance check list.</li> <li>• Automatic e-mails warnings.</li> <li>• Supervision through on-demand reports and current status windows.</li> </ul>
--	---

Previous FP experience	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(If "yes", please indicate project acronyms:        )	

**I agree to the publication of my data.**

**Organization: AERTEC INGENIERIA Y DESARROLLOS S.L.U.**

Contact Details		
<b>Organization</b>	AERTEC Ingeniería y Desarrollos S.L.U.	
<b>Contact Person</b>	Pedro Becerra Rubio	
<b>Full Address</b>	Maria Curie, 10. Parque Tecnológico De Andalucía.	
<b>Postcode</b>	29590	<b>City</b> Málaga
<b>Tel.</b>	+34 902060100	<b>Fax</b> +34 952020174
<b>Email</b>	pbecerra@aertec.es	
<b>Web address</b>	www.aertec.es	

Area or Topic of interest	
<b>Call identifier</b>	FP7-AAT-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	AAT.2012.7-25. Assessment of the potential insertion of unmanned aerial system in the air transport system

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input checked="" type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>AERTEC is an SME engineering company specialised in consultancy, infrastructures and airport technology, aeronautical industries and distribution centres. The company was established in 1997 and is based in Malaga, Spain.</p> <p>Thanks to the high qualification level and specialisation of our professionals we are capable of incorporating into the large scale world wide aeronautical programmes providing added value.</p> <p>AERTEC's Aeronautical Industry Division is dedicated to Industrial Systems, Airports, Aeronautics and Advanced projects, having expertise in different work areas:</p> <ul style="list-style-type: none"> <li>• Engineering of Airport and Industrial Systems:</li> <li>• Monitoring and automation.</li> <li>• Process optimising.</li> <li>• Management and Overhaul.</li> <li>• Maintenance Engineering.</li> <li>• Trial Tools for the railway industry.</li> <li>• Engineering of Aeronautical Systems:</li> <li>• Specification, design, execution and support of functional tests.</li> <li>• Test Infrastructure: software, hardware, racks, connector panels and wire harnesses.</li> <li>• System integrations.</li> <li>• Test means manufacturing: BRAIM, RAT Tool, simulator GE, etc.</li> <li>• Advanced R&amp;D projects of onboard software for navigation and control of unmanned aircraft systems (UAS): ATLANTIDA, SINTONIA, GretaAD, NAVA...</li> </ul>

<p><b>Expertise offered (related to the topic)</b></p>	<p>For the last years AERTEC has been involved in several R&amp;D projects related to UAS. Regarding National R&amp;D UAS projects, AERTEC researchers have participated in the most relevant projects undertaken in Spain, all of them aligned with current needs and European guidelines and targets.</p> <p>AERTEC has mainly carried out tasks which focuses on software development and embedded solutions for airborne systems (flight management system, flight control systems, etc.), but also taking into account the ground segment as a key element for the safety of the whole system. In this line, AERTEC has also launched internal R&amp;D initiatives to identify safety critical requirements for a ground mission planning system in order to guarantee the feasibility, predictability and integrity of the flight plan in terms of performance, operational context constraints and terrain/weather. Moreover, solutions such as Human-Interface-Machine for an UAS test bench have been developed, verified and validated by AERTEC.</p> <p>ATLANTIDA project (Application of Leading Technologies for Unmanned Aircraft for the Research and Development of ATM) is probably the most ambitious initiative to further the automation of Air Traffic Management and assess new concepts of operations aligned with SESAR (System Wide Information Management (SWIM), 4D-trajectories, TBO, etc.), furthering the insertion of UAS into airspace. Developed with other large companies of the aerospace sector such as Indra (SESAR JU member), GMV, Isdefe, Iberia, etc., AERTEC has been responsible of the design and development of the Flight Management System (FMS), eventually embedded in a UAV. Within ATLANTIDA project, AERTEC has also developed a HMI to manage functional tests for a test bench of UAVs, being the technical and administrative leader of the Avionics Group.</p> <p>Currently AERTEC engineers are participating in SINTONIA CENIT project (Unmanned Systems Oriented Towards Minimising Environmental Impact) which aims to improve efficiency and reduce the environmental impact of unmanned aircraft. Led by BOEING R&amp;T, SINTONIA involves key players in the aerospace sector such as Amper, Indra, Aernnova, etc.</p> <p>AERTEC participates in the implementation and verification of a control and guidance system for an UAS, robust to weather disturbances and studying the feasibility using radar to perform automatic takeoffs and landings (ATOL). The flight control system is being developed in VxWorks 653 Real-Time-Operating System that provides real-time capabilities along with DO-178B Level A certification evidence that can be used in the certification efforts of airborne systems.</p> <p>Recently, AERTEC has launched NAVA project (Autonomous Navigation of Aerial Vehicles. AERTEC is the promoter of the research and nowadays is the leader of the consortium which counts with the collaboration of ISDEFE, DEIMOS and AMPER companies. The project aims to define, develop, verify and validate a solution for autonomous navigation and a demonstrator that would ensure the integrity of the flight mainly based on collaboration and coordination of operations between cooperative users, both air and ground (ATC) but also considering non-cooperative hazards.</p> <p>AERTEC participation is devoted to study the state of art of current Detect and Avoid systems, identify the functional specification of the system, define SW and HW architecture, and develop and validate the logic for the Avoid feature, being involved in flight testing.</p> <p>In summary, the researchers to be involved in Lot6 have a vast experience in the UAS domain. They have actively been involved in the most relevant national projects for the last 5 years.</p> <p>Past participation in non-funded regulatory and/or UAS-related working groups National:</p>
--	---

	<p>Spanish Aerospace Platform, (PAE). Composed by leading companies, administration and academia, AERTEC was actively involved in two working groups:</p> <ul style="list-style-type: none"> <li>• UAS (2008-2009)</li> <li>• ATM/SESAR (2010)</li> </ul> <p>Their major goals were to define and propose the long term strategic vision for UAS in Spain and SESAR activities and opportunities.</p> <p>AERTEC participated during 2008 and 2009 in the development of a study stating the state of the UAS industry and research in Spain. Final document included a roadmap and SWOT analysis.</p> <p>Moreover, AERTEC has been in contact with Spanish CAA, AESA and SENASA (Spanish JARUS representatives) to analyze current situation and future challenges in order to further the Light UAS cause and identify an approach to support the insertion of Light-UAS into Spanish airspace.</p> <p>European:</p> <p>During the last three years, AERTEC has been in contact with UVS International, JARUS and EUROCAE WG73, participating in the European Commission Light-UAS Hearing and Harmless UAS WG; and being in the loop of draft-documents review. In addition AERTEC is fostering the constitution of a Spanish working group on UAS, nonexistent so far. Recently AERTEC has also become a member of the new Small RPA WG.</p>
--	---

Previous FP experience	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(If "yes", please indicate project acronyms:      )

**I agree to the publication of my data.**

**Organization: AERTEC INGENIERIA Y DESARROLLOS S.L.U.**

Contact Details		
<b>Organization</b>	AERTEC Ingeniería y Desarrollos S.L.U.	
<b>Contact Person</b>	Pedro Becerra Rubio	
<b>Full Address</b>	Maria Curie, 10. Parque Tecnológico De Andalucía.	
<b>Postcode</b>	29590	<b>City</b> Málaga
<b>Tel.</b>	+34 902060100	<b>Fax</b> +34 952020174
<b>Email</b>	pbecerra@aertec.es	
<b>Web address</b>	www.aertec.es	

Area or Topic of interest	
<b>Call identifier</b>	FP7-AAT-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	AAT.2012.7-26. Efficient Airports for Europe

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input checked="" type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>AERTEC is an SME engineering company specialised in consultancy, infrastructures and airport technology, aeronautical industries and distribution centres. The company was established in 1997 and is based in Malaga, Spain.</p> <p>Thanks to the high qualification level and specialisation of our professionals we are capable of incorporating into the large scale world wide aeronautical programmes providing added value.</p> <p>AERTEC's Aeronautical Industry Division is dedicated to Industrial Systems, Airports, Aeronautics and Advanced projects, having expertise in different work areas:</p> <ul style="list-style-type: none"> <li>• Engineering of Airport and Industrial Systems:</li> <li>• Monitoring and automation.</li> <li>• Process optimising.</li> <li>• Management and Overhaul.</li> <li>• Maintenance Engineering.</li> <li>• Trial Tools for the railway industry.</li> <li>• Engineering of Aeronautical Systems:</li> <li>• Specification, design, execution and support of functional tests.</li> <li>• Test Infrastructure: software, hardware, racks, connector panels and wire harnesses.</li> <li>• System integrations.</li> <li>• Test means manufacturing: BRAIM, RAT Tool, simulator GE, etc.</li> <li>• Advanced R&amp;D projects of onboard software for navigation and control of unmanned aircraft (UAS): ATLANTIDA, SINTONIA, GretaAD, NAVA...</li> </ul>

<p><b>Expertise offered (related to the topic)</b></p>	<p>In the last years, AERTEC is working in several projects focused in the improvement of baggages and passenger flows inside the terminal area. Within these flows optimizations more efficient use of airport facilities have been achieved as well as:</p> <ul style="list-style-type: none"> <li>• Increase of operations number</li> <li>• Passenger confort</li> <li>• Security enhancements</li> <li>• Reduced number of lost luggage</li> <li>• Energy savings</li> <li>• Cost reduction</li> </ul> <p>Aertec main recent expertise in projects related to modelling and flow improvements are:</p> <ul style="list-style-type: none"> <li>• BARCELONA BHS. Working for Vanderlande Industries, AERTEC did a Baggage Handling System simulation using AUTOMOD SW with the aim of System optimization and reducing destination times. Later these results were incorporated into the real system.</li> <li>• FUERTEVENTURA BHS. Working for Crisplant, AERTEC collaborated with the designed 6 minutes time to destination BHS solution, which included high-speed transport, automated baggage storage for 1500 items an double identification, barcodes and RFID tags.</li> <li>• ATRAPA. R&amp;D Proyect. AERTEC is leading a Spanish consortium developing a Real-Time Airport Decision Making System for the management of the ground side. This project entails the simulation of all the airport operations optimizing the services and processes of passenger flow, safety and operators' benefits.</li> </ul> <p>ATRAPA is an expert system, capable of analyzing contingency plans for unexpected incidents and respond to the new quality requirements with the aim of improving passenger service and the airport security. With this aim, the system will develop integrated advanced information and communication, and artificial intelligence techniques that allow the system to learn from the experience of application or virtual simulation scenarios.</p>
--	--

Previous FP experience	
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
(If "yes", please indicate project acronyms:            )	

**I agree to the publication of my data.**

## Organization: AERIAM TECHNOLOGIES S.L.

Contact Details		
<b>Organization</b>	Aeriam Technologies S.L.	
<b>Contact Person</b>	Juan José Torres Trella	
<b>Full Address</b>	Maria Curie , 10. Parque Tecnológico De Andalucía.	
<b>Postcode</b>	29590	<b>City</b> MÁLAGA
<b>Tel.</b>	+34 902060106	<b>Fax</b> +34 952020174
<b>Email</b>	jtorres@eriam.com	
<b>Web address</b>	www.eriam.com	

Area or Topic of interest	
<b>Call identifier</b>	FP7-AAT-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	AAT.2012.7-28 Facilitating access to aircraft for disabled people

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input checked="" type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>AERIAM is an IT and communication technology firm founded in November 2003, specialising in the processes, infrastructures and systems that airports, aeronautical industries and building and infrastructure technologies require to operate safely and efficiently.</p> <p>AERIAM develops solutions to improve passenger experience and airport operations:</p> <ul style="list-style-type: none"> <li>- AERIAM has products already developed for the transport sector with proven references</li> <li>- Ensuring integration of products and systems</li> <li>- Developing solutions using standards and customer's own methodologies.</li> </ul> <p>To this end, AERIAM provides personnel specialized in the transport sector: Aeronautical Engineers, Airport Process Consultants, Telecommunications Engineers, Systems Analysts, Software Analysts, Security Consultants, and IT Consultants.</p> <p>AERIAM's focus on the development of "turnkey" solutions has led to the development of our large technological product portfolio, aimed at improving the airport user experience in three aspects:</p> <ul style="list-style-type: none"> <li>• Passenger attention</li> <li>• Monitoring and control of service quality levels</li> <li>• Management in real time</li> </ul>

	<p>AERIAM has implemented and maintains a quality and environmental system based on the UNE-EN-ISO 9001:2000, UNE-EN-ISO 14001:2004, OHSAS:18001, UNE-EN-ISO 27000 and Micorsoft Partner Gold.</p>
<p><b>Expertise offered (related to the topic)</b></p>	<p>AERIAM develops solutions to improve passenger experience and airport operations.</p> <p>The expertise of AERIAM at real time mobility solutions to manage different services at airports translates into improved service at the airport as well as better accessibility for disabled people.</p> <p>Already operational in several airports across the AENA network, is the mPROMISYS software platform that allows the recording of all monitoring indicators for any service developed within an airport (ground handling, boarding bridges, power supply, PRM (People with Reduced Mobility) assistance, security, cleaning, control of facilities, etc.). Specifically, for the moment, AERIAM has developed modules for HANDLING, BOARDING BRIDGES and PRM.</p> <p>mPROMISYS collects all types of monitoring data via a PDA type mobile device and sends the information, in real time, into a tracking database for further use, generating all types of reports and statistics.</p> <p>The PRM module of the mPROMISYS platform has been adapted to register all data of interest related to the assistance service provided for PRM in an airport.</p> <p>The PRM module generates assistance sheets for each PRM attended to, in which all the statistical data of interest is compiled for the monitoring and quality control of the service, both for the airport authority and for the assistance operator.</p>

Previous FP experience	
<p>(If "yes", please indicate project acronyms: )</p>	<p><input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p>

**I agree to the publication of my data.**



## Organization: CEMOSA

### Contact Details

<b>Organization</b>	CEMOSA		
<b>Contact Person</b>	Noemi Jimenez-Redondo		
<b>Full Address</b>	Benaque 9		
<b>Postcode</b>	29004	<b>City</b>	Málaga
<b>Tel.</b>	+34 952 230842	<b>Fax</b>	+34 952 231214
<b>Email</b>	noemi.jimenez@cemosa.es		
<b>Web address</b>	http://www.cemosa.es		

### Area or Topic of interest

<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.1.1-3 Management of energy in railway systems.

### Profile of Partner(s) Offered

<b>Role in the project</b>	<input checked="" type="checkbox"/> Research	<input type="checkbox"/> Training	<input checked="" type="checkbox"/> Tech. development
	<input type="checkbox"/> Management	<input type="checkbox"/> Dissemination	<input type="checkbox"/> Demonstration
	<input type="checkbox"/> Other:		
<b>Type of organization</b>	<input type="checkbox"/> University	<input type="checkbox"/> Research Organization	<input type="checkbox"/> SME
	<input type="checkbox"/> Other:	<input checked="" type="checkbox"/> Enterprise (non SME)	

<b>Entity profile</b>	<p>CEMOSA is an Andalusian engineering and quality control company (Spain) in the field of construction (including transport infrastructure engineering, hydraulic projects, building engineering and industrial projects) born in 1972 and employing around 500 people. CEMOSA is looking for projects for participating as partner.</p> <p>CEMOSA's activities are structured as follows:</p> <ul style="list-style-type: none"> <li>i) Building and Industrial Engineering, <ul style="list-style-type: none"> <li>• Building foundations and structures. Pathologies</li> <li>• Facilities, installations and control systems</li> <li>• Energy assessments and Renewable Energy Sources</li> </ul> </li> <li>ii) Transport Infrastructure Engineering, <ul style="list-style-type: none"> <li>• Roads</li> <li>• Railway systems</li> <li>• Airports</li> <li>• Ports and dams</li> </ul> </li> <li>iii) Geotechnical Engineering,</li> <li>iv) Construction Material Quality Control,</li> <li>v) Health and Safety Coordination,</li> <li>vi) Product Certification and</li> <li>vii) Research, Technological Development and Innovation.</li> </ul>
-----------------------	---

	<p>The Research, Technological Development and Innovation Division is an horizontal business line that interacts with the rest of the activities of the company. CEMOSA has experience in the coordination and development of R&amp;D projects funded by the EU Framework Programme, the Government of Spain, private companies and/or its own sources. Regarding the 7th Framework Programme, CEMOSA is coordinating two projects, one of them in the call of Transport (ACEM-Rail: "Automated and cost effective maintenance for railway") and another one in call of Energy Efficient Buildings (SEEDS: "Self-learning energy efficient buildings and open spaces"). CEMOSA also coordinated a project into the 5th Framework Programme (SMARTCOMP: "Fibre optic Sensors for the Monitoring of Composite Strengthened Structures").</p>
<p><b>Expertise offered (related to the topic)</b></p>	<p>The Divisions of Transport Infrastructure Engineering and Building and Industrial Engineering have experience in railway engineering, rolling stocks, energy management and assessment and control systems among others fields. CEMOSA could collaborate in the following tasks:</p> <ul style="list-style-type: none"> <li>• Energy assessment and study of possible increase in energy recovery.</li> <li>• Development of optimization tools for an intelligent management of energy considering issues such as energy storage, operational speed and load (for freight).</li> <li>• Analysis of the implemented demonstration scenarios and comparison with simulated ones.</li> </ul>

<b>Previous FP experience</b>
<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
(If "yes", please indicate project acronyms: ACEM-Rail, SEEDS, SMARTCOMP)

**I agree to the publication of my data.**

## Organization: CITIC

Contact Details		
<b>Organization</b>	CITIC	
<b>Contact Person</b>	Desirée Bellido Toré	
<b>Full Address</b>	C/ Marie Curie, 6	
<b>Postcode</b>	29590	<b>City</b> Málaga
<b>Tel.</b>	+34 952 028 610	<b>Fax</b> +34 951 231 029
<b>Email</b>	international@citic.es	
<b>Web address</b>	www.citic.es	

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.1.1-3 Management of energy in railway systems

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CITIC is a Technological Centre located in the South of Spain, recognized by the Regional Minister of Economy, Innovation and Science in Andalusia and the Spanish Minister of Science and Innovation. CITIC is focused on the development of ICT for enterprises and citizens of its environment, and applies it to several fields like eHealth, Security and Trust, Computational Models, Wireless and Mobile Communications and interactive Digital Television. CITIC has its own Technology Transfer Office (TTO) that interacts with enterprises, Universities and entities interested in the results of the finished projects, and is continuously looking for new opportunities of valuable collaboration with entities around the world.</p>
<b>Expertise offered (related to the topic)</b>	<p>Regarding this topic, CITIC has a deep knowledge on electrical environments, working on the demand management side applying ICT solutions for consumption savings and improving efficiency. It has collaborated in two Spanish CENIT projects led by huge Spanish utility companies, both finished at the end of 2010. One of them was called GAD Project (Active Demand Management Side Project; www.gadproject.com), it was focused on flattening the householder consumption profiles keeping the customers' comfort. The other project was called DENISE (Intelligent, Secure and Efficient Energy Distribution), which aims to advance the Spanish electric distribution network towards a smart grid, through new ways of managing its many isolated components.</p> <p>In DENISE Project, CITIC designed and developed a monitoring system for transformation stations using Wireless Sensor Networks (WSN). It was also developed a gateway between the wireless technology and the communication</p>

	<p>protocol (IEC 61850) used in the Distribution Network.</p> <p>In GAD Project, CITIC took active part designing the communication architecture for smart grid solution which target was to communicate the Distribution Operator and the customers. In addition, CITIC researchers developed the home automation software that allowed managing the householder consumption</p>
--	---

Previous FP experience
<p style="text-align: center;"><input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</p> <p>(If “yes”, please indicate project acronyms:      )</p>

**I agree to the publication of my data.**

## Organization: CEMOSA

### Contact Details

<b>Organization</b>	CEMOSA		
<b>Contact Person</b>	Noemi Jimenez-Redondo		
<b>Full Address</b>	Benaque 9		
<b>Postcode</b>	29004	<b>City</b>	Málaga
<b>Tel.</b>	+34 952 230842	<b>Fax</b>	+34 952 231214
<b>Email</b>	noemi.jimenez@cemosa.es		
<b>Web address</b>	http://www.cemosa.es		

### Area or Topic of interest

<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.2.4-3. Efficient rolling stock and train operations for competitive rail freight services.

### Profile of Partner(s) Offered

<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CEMOSA is an Andalusian engineering and quality control company (Spain) in the field of construction (including transport infrastructure engineering, hydraulic projects, building engineering and industrial projects) born in 1972 and employing around 500 people. CEMOSA is looking for projects for participating as partner.</p> <p>CEMOSA's activities are structured as follows:</p> <p>CEMOSA's activities are structured as follows:</p> <ul style="list-style-type: none"> <li>i) Building and Industrial Engineering,             <ul style="list-style-type: none"> <li>• Building foundations and structures. Pathologies</li> <li>• Facilities, installations and control systems</li> <li>• Energy assessments and Renewable Energy Sources</li> </ul> </li> <li>ii) Transport Infrastructure Engineering,             <ul style="list-style-type: none"> <li>• Roads</li> <li>• Railway systems</li> <li>• Airports</li> <li>• Ports and dams</li> </ul> </li> <li>iii) Geotechnical Engineering,</li> <li>iv) Construction Material Quality Control,</li> <li>v) Health and Safety Coordination,</li> <li>vi) Product Certification and</li> </ul>

	<p>vii) Research, Technological Development and Innovation</p> <p>The Divisions of Transport Infrastructure Engineering and Building and Industrial Engineering have experience in railway engineering, logistics and intermodal transport, safety, rolling stocks, and control systems among others fields.</p> <p>The Research, Technological Development and Innovation Division is an horizontal business line that interacts with the rest of the activities of the company. CEMOSA has experience in the coordination and development of R&amp;D projects funded by the EU Framework Programme, the Government of Spain, private companies and/or its own sources. Regarding the 7th Framework Programme, CEMOSA is coordinating two projects, one of them in the call of Transport (ACEM-Rail: “Automated and cost effective maintenance for railway”.) and another one in call of Energy Efficient Buildings (SEEDS: “Self-learning energy efficient buildings and open spaces”). CEMOSA also coordinated a project into the 5th Framework Programme (SMARTCOMP: “Fibre optic Sensors for the Monitoring of Composite Strengthened Structures”).</p>
<p><b>Expertise offered (related to the topic)</b></p>	<p>CEMOSA has experience and skills on:</p> <ul style="list-style-type: none"> <li>• Selection of one or several demonstrators for the implementation of the project.</li> <li>• Identify technological advances to facilitate freight rail demand.</li> <li>• Identify measures to improve loading and unloading procedures of freight wagons.</li> <li>• Assessment of intermodal interfaces to air and road transport modes.</li> <li>• Assessment of potential of light weighting of freight wagon concepts.</li> <li>• Definition of indicators for environmental, sustainability and economical.</li> <li>• Quantitative analysis and modelling of transport systems.</li> </ul>

<b>Previous FP experience</b>
<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
(If “yes”, please indicate project acronyms: ACEM-Rail, SEEDS, SMARTCOMP)

**I agree to the publication of my data.**

**Organization: CETEMET**  
**Centro Tecnológico Metalmecánico del Transporte Terrestre**

Contact Details	
<b>Organization</b>	CETEMET, Centro Tecnológico Metalmecánico del Transporte Terrestre
<b>Contact Person</b>	Vittorio Carofiglio / Juan Manuel Luque Cantero
<b>Full Address</b>	Parque Empresarial Linarejos. Avda. Primero de Mayo s/n
<b>Postcode</b>	23700 <b>City</b> Linares
<b>Tel.</b>	953 64 92 78 <b>Fax</b> 953 69 67 19
<b>Email</b>	juan.luque@cetemet.es / vittorio.carofiglio@cetemet.es /
<b>Web address</b>	www.cetemet.es

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.2.4-3 Efficient rolling stock and train operations for competitive rail freight services.

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CETEMET, Technological Centre in Metal-mechanic and Transport Industry is established in Linares (South of Spain). CETEMET is a non-profit private foundation and has actively supported the needs of companies in the metal-mechanic and automotive sectors since 2007. CETEMET is integrated by 28 organizations as a Board of Trustees which closely bound together with the Centre. Among the Board of Trustees it is possible to find important industrial entities in the region of Andalusia (South of Spain), including several surface transport manufacturers (car, bus, train and component).</p> <p>CETEMET has elaborated regional or national projects in order to promote innovation within the enterprises in several areas and in 2010 has started its participation in two proposals in the FP-7.</p> <p>CETEMET's principal R&amp;D areas are:</p> <ul style="list-style-type: none"> <li>• Research on vehicles (trains, bus, trucks, cars, etc.).</li> <li>• Energy Efficiency.</li> <li>• Climatic and thermo-dynamical tests</li> <li>• Air conditioning and refrigeration systems of vehicles.</li> <li>• Urban sustainable mobility.</li> <li>• Methods and tools for fleet management.</li> <li>• Improvement and efficiency of supply chain management in manufacturing sector.</li> </ul>

	<ul style="list-style-type: none"> <li>• ERTMS Implementation and capability modeling.</li> <li>• Development of tools to support design and efficiency of container chassis and bodies.</li> </ul> <p>The principal R&amp;D projects of CETEMET are:</p> <p>MEET: Energetic efficiency in the refrigerated transport. Development of a classification and characterization of refrigerated bodies in the market in terms of energetic efficiency for energy rating of refrigerated box of refrigerator vehicles. Implementation of a reduced standardized test in order to measure thermal losses.</p> <p>SAGEMUS: Development and assessment of methods and tools for sustainable mobility plans. Measurement of the benefits of these mobility plans.</p> <p>Other projects pending funding:</p> <ul style="list-style-type: none"> <li>• MEET+: Development of tool for prediction of thermal losses. Thermal insulation measurement (theoretically and testing) in refrigerated vehicles. Thermo dynamical model.</li> <li>• GESMOCAR: Development of a design tool for manufacturers of container chassis and bodies.</li> <li>• DIAMOND WIRE. Optimization of the diamond wire for stone cutting.</li> <li>• FAAVEC: Heating, ventilating, Air Conditioning (HVAC).</li> <li>• COVEL: Development of air conditioning system optimized for electric vehicle.</li> <li>• AUTONET: Development of a software platform in order to improve the supply chain in the manufacturing sector.</li> <li>• ISYFORAIL: Development of a new life cycle management model for rail infrastructure.</li> </ul>
<p><b>Expertise offered (related to the topic)</b></p>	<p>The CETEMET's expertise related to the TOPIC is:</p> <ul style="list-style-type: none"> <li>• Mechanical design of rail or wagon devices; FTA / FMEA / RAMS analysis of the mechanical designs and Climate tests on train wagons to increase rolling stock utilization, to improve wagon design and to develop new wagon concepts.</li> <li>• Networking ability in the rail sector in Spain useful to identify technical, operational or regulative barriers of long trains and make concrete proposals how to overcome these.</li> </ul> <p>CETEMET is involved in the project ISYFORAIL. Integrated <b>S</b>ystem for Diagnostic &amp; Maintenance Management of <b>R</b>ailway Infrastructures aims to develop a complete platform for managing both validation of the installation of railway infrastructures and their life-cycles. The Role of CETEMET in this project is the realization of the mechanical design (including FTA / FMEA / RAMS analysis of the mechanical designs) of a box for measuring maintenance parameters and the development of a Wind Energy Transducer.</p>

Previous FP experience	
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<p>CETEMET has participated in the realization of two proposals of two projects:</p>	



- ISYFORAIL. Integrated System for Diagnostic & Maintenance. Management of Railway Infrastructure. Topic addressed: FP7-2011-SST.2011.5.2-6  
Development of new life cycle management model for rail infrastructure.
- AUTONET. Autonomic Management of Networked Small-Medium Factories. Topic addressed: FP7-2011-NMP-ICT-FoF-7.3.  
Development of a software platform for the improvement of the supply chain in the manufacturing sector.

**I agree to the publication of my data.**

## Organization: CITIC

Contact Details		
<b>Organization</b>	CITIC	
<b>Contact Person</b>	Desirée Bellido Toré	
<b>Full Address</b>	C/ Marie Curie, 6	
<b>Postcode</b>	29590	<b>City</b> Málaga
<b>Tel.</b>	+34 952 028 610	<b>Fax</b> +34 951 231 029
<b>Email</b>	international@citic.es	
<b>Web address</b>	www.citic.es	

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.3.1-1. Research actions regarding the accessibility of transport systems

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CITIC is a Technological Centre located in the South of Spain, recognized by the Regional Minister of Economy, Innovation and Science in Andalusia and the Spanish Minister of Science and Innovation. CITIC is focused on the development of ICT for enterprises and citizens of its environment, and applies it to several fields like eHealth, Security and Trust, Computational Models, Wireless and Mobile Communications and interactive Digital Television. CITIC has its own Technology Transfer Office (TTO) that interacts with enterprises, Universities and entities interested in the results of the finished projects, and is continuously looking for new opportunities of valuable collaboration with entities around the world.</p>
<b>Expertise offered (related to the topic)</b>	<p>In this topic neither CITIC will collaborate with Malaga City Council to detect some accessibility problems and will study how to solve them by the introduction of new ICT solutions. CITIC has already a deep concern about problems of elderly, it is working actively within the Ambient Assisted Living environment, in some European projects with the AAL JU but also it has perform some R&amp;D activities for some regional social care entities. CITIC will apply its knowledge about most important issues that elderly find when dealing with ICT solutions to adapt it to their specific needs.</p>

Previous FP experience
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
(If "yes", please indicate project acronyms: _____ )

**I agree to the publication of my data.**

## Organization: CEMOSA

### Contact Details

<b>Organization</b>	CEMOSA		
<b>Contact Person</b>	Noemi Jimenez-Redondo		
<b>Full Address</b>	Benaque 9		
<b>Postcode</b>	29004	<b>City</b>	Málaga
<b>Tel.</b>	+34 952 230842	<b>Fax</b>	+34 952 231214
<b>Email</b>	noemi.jimenez@cemosa.es		
<b>Web address</b>	http://www.cemosa.es		

### Area or Topic of interest

<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic (as stated in the Work Programme)</b>	SST.2012.3.1-2 Innovative design and operation of new upgrade efficient urban transport interchanges

### Profile of Partner(s) Offered

<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Enterprise (non SME)

#### Entity profile

CEMOSA is an Andalusian engineering and quality control company (Spain) in the field of construction (including transport infrastructure engineering, hydraulic projects, building engineering and industrial projects) born in 1972 and employing around 500 people.

CEMOSA's activities are structured as follows:

- i) Building and Industrial Engineering,
  - Building foundations and structures. Pathologies
  - Facilities, installations and control systems
  - Energy assessments and Renewable Energy Sources
- ii) Transport Infrastructure Engineering,
  - Roads
  - Railway systems
  - Airports
  - Ports and dams
- iii) Geotechnical Engineering,
- iv) Construction Material Quality Control,
- v) Health and Safety Coordination,
- vi) Product Certification and Research, Technological Development and Innovation

	<p>The Divisions of Transport Infrastructure Engineering and Building and Industrial Engineering have experience in railway engineering, logistics and intermodal transport, safety, rolling stocks, and control systems among others fields.</p> <p>The Research, Technological Development and Innovation Division is an horizontal business line that interacts with the rest of the activities of the company. CEMOSA has experience in the coordination and development of R&amp;D projects funded by the EU Framework Programme, the Government of Spain, private companies and/or its own sources. Regarding the 7th Framework Programme, CEMOSA is coordinating two projects, one of them in the call of Transport (ACEM-Rail: "Automated and cost effective maintenance for railway".) and another one in call of Energy Efficient Buildings (SEEDS: "Self-learning energy efficient buildings and open spaces"). CEMOSA also coordinated a project into the 5th Framework Programme (SMARTCOMP: "Fibre optic Sensors for the Monitoring of Composite Strengthened Structures").</p>
<p><b>Expertise offered (related to the topic)</b></p>	<p>CEMOSA propose to tackle the issues listed below within the project. CEMOSA has experience to work on all of them:</p> <ul style="list-style-type: none"> <li>• Development of a methodology for interchange modelling based on characteristics such as population, location, distances, flows and way of life. Including: <ul style="list-style-type: none"> <li>◦ Traditional transport means: cars, busses, coaches, underground, etc).</li> <li>◦ Environment friendly transport means: walking and bicycles lanes.</li> </ul> </li> <li>• Contribution to a greener, smarter, more integrated and user-friendly transport system.</li> <li>• Collaboration for development of ICT tools to provide information to users in real time.</li> <li>• Validation of the technologies in real pilot demonstrator.</li> </ul>

<b>Previous FP experience</b>
<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b> (If "yes", please indicate project acronyms: ACEM-Rail, SEEDS, SMARTCOMP)

**I agree to the publication of my data.**

## Organization: CITIC

Contact Details		
<b>Organization</b>	CITIC	
<b>Contact Person</b>	Desirée Bellido Toré	
<b>Full Address</b>	C/ Marie Curie, 6	
<b>Postcode</b>	29590	<b>City</b> Málaga
<b>Tel.</b>	+34 952 028 610	<b>Fax</b> +34 951 231 029
<b>Email</b>	international@citic.es	
<b>Web address</b>	www.citic.es	

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.3.1-2. Innovative Design and operation of new or upgraded efficient urban transport interchanges

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CITIC is a Technological Centre located in the South of Spain, recognized by the Regional Minister of Economy, Innovation and Science in Andalusia and the Spanish Minister of Science and Innovation.</p> <p>CITIC is focused on the development of ICT for enterprises and citizens of its environment, and applies it to several fields like eHealth, Security and Trust, Computational Models, Wireless and Mobile Communications and interactive Digital Television. CITIC has its own Technology Transfer Office (TTO) that interacts with enterprises, Universities and entities interested in the results of the finished projects, and is continuously looking for new opportunities of valuable collaboration with entities around the world.</p>
<b>Expertise offered (related to the topic)</b>	<p>CITIC will collaborate with Malaga City Council in the identification of problems and its analysis to determine the optimal solution. In most cases, lack of information is a barrier for the mobility of people by alternative routes. Nowadays Malaga is creating a network of road for bicycles, but citizens don't know where they go, and that's a information that have to be provided if it is intended that more people who doesn't owe a bicycle buy one to go from a point to the other across the city. New ICT systems can help them by showing the information of how to get to a specific point from another using any mean of public transport (bicycle, bus or metro), and how to combine those different means of transport in an efficient way.</p> <p>To achieve this objective it can be necessary to define a set of ontologies to find a holistic solution of the problem through a platform that connects all means of</p>

	transport possible from the transport authorities' point of view but also the citizen's. This way the problem might be solved easily by other cities or regions.
--	--

**Previous FP experience**

**Yes**                       **No**

(If "yes", please indicate project acronyms:                      )

**I agree to the publication of my data.**

**Organization: CETEMET**  
**Centro Tecnológico Metalmecánico del Transporte Terrestre**

Contact Details	
<b>Organization</b>	CETEMET, Centro Tecnológico Metalmecánico del Transporte Terrestre
<b>Contact Person</b>	Vittorio Carofiglio / Juan Manuel Luque Cantero
<b>Full Address</b>	Parque Empresarial Linarejos. Avda. Primero de Mayo s/n
<b>Postcode</b>	23700 <b>City</b> Linares
<b>Tel.</b>	953 64 92 78 <b>Fax</b> 953 69 67 19
<b>Email</b>	juan.luque@cetemet.es / vittorio.carofiglio@cetemet.es /
<b>Web address</b>	www.cetemet.es

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.3.2-1 Coordinating innovation for efficient bus system in the urban environment

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CETEMET, Technological Centre in Metal-mechanic and Transport Industry is established in Linares (South of Spain). CETEMET is a non-profit private foundation and has actively supported the needs of companies in the metal-mechanic and automotive sectors since 2007. CETEMET is integrated by 28 organizations as a Board of Trustees which closely bound together with the Centre. Among the Board of Trustees it is possible to find important industrial entities in the region of Andalusia (South of Spain), including several surface transport manufacturers (car, bus, train and component).</p> <p>CETEMET has elaborated regional or national projects in order to promote innovation within the enterprises in several areas and in 2010 has started its participation in two proposals in the FP-7.</p> <p>CETEMET's principal R&amp;D areas are:</p> <ul style="list-style-type: none"> <li>• Research on vehicles (trains, bus, trucks, cars, etc.).</li> <li>• Energy Efficiency.</li> <li>• Climatic and thermo-dynamical tests</li> <li>• Air conditioning and refrigeration systems of vehicles.</li> <li>• Urban sustainable mobility.</li> <li>• Methods and tools for fleet management.</li> <li>• Improvement and efficiency of supply chain management in manufacturing sector.</li> <li>• ERTMS Implementation and capability modeling.</li> </ul>

	<ul style="list-style-type: none"> <li>• Development of tools to support design and efficiency of container chassis and bodies.</li> </ul> <p>The principal R&amp;D projects of CETEMET are:</p> <p>MEET: Energetic efficiency in the refrigerated transport. Development of a classification and characterization of refrigerated bodies in the market in terms of energetic efficiency for energy rating of refrigerated box of refrigerator vehicles. Implementation of a reduced standardized test in order to measure thermal losses.</p> <p>SAGEMUS: Development and assessment of methods and tools for sustainable mobility plans. Measurement of the benefits of these mobility plans.</p> <p>Other projects pending funding:</p> <ul style="list-style-type: none"> <li>• MEET+: Development of tool for prediction of thermal losses. Thermal insulation measurement (theoretically and testing) in refrigerated vehicles. Thermo dynamical model.</li> <li>• GESMOCAR: Development of a design tool for manufacturers of container chassis and bodies.</li> <li>• DIAMOND WIRE. Optimization of the diamond wire for stone cutting.</li> <li>• FAAVEC: Heating, ventilating, Air Conditioning (HVAC).</li> <li>• COVEL: Development of air conditioning system optimized for electric vehicle.</li> <li>• AUTONET: Development of a software platform in order to improve the supply chain in the manufacturing sector.</li> <li>• ISYFORAIL: Development of a new life cycle management model for rail infrastructure.</li> </ul>
<p><b>Expertise offered (related to the topic)</b></p>	<p>The CETEMET's expertise related to the TOPIC consists of:</p> <ul style="list-style-type: none"> <li>• Design and Development of strategies, methods and tools for energy efficiency and emissions reduction in road fleets.</li> <li>• Development, implementation and assessment of sustainable urban mobility plans to ensure intermodality in public transport and complementary transport modes.</li> <li>• Networking ability in the transport sector in Spain that can be useful for the involvement of public transport key actors.</li> </ul>

<b>Previous FP experience</b>	
<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>	
<p>CETEMET has participated in the realization of two proposals:</p> <ul style="list-style-type: none"> <li>• ISYFORAIL. Integrated System for Diagnostic &amp; Maintenance. Management of Railway Infrastructure. Topic addressed: FP7-2011-SST.2011.5.2-6 Development of new life cycle management model for rail infrastructure.</li> <li>• AUTONET. Autonomic Management of Networked Small-Medium Factories. Topic addressed: FP7-2011-NMP-ICT-FoF-7.3. Development of a software platform for the improvement of the supply chain in the manufacturing sector.</li> </ul>	

**I agree to the publication of my data.**



## Organization: CEMOSA

Contact Details		
<b>Organization</b>	CEMOSA	
<b>Contact Person</b>	Noemi Jimenez-Redondo	
<b>Full Address</b>	Benaque 9	
<b>Postcode</b>	29004	<b>City</b> Málaga
<b>Tel.</b>	+34 952 230842	<b>Fax</b> +34 952 231214
<b>Email</b>	noemi.jimenez@cemosa.es	
<b>Web address</b>	http://www.cemosa.es	

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.4.2-1 Priorities for road safety research in Europe

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CEMOSA is an Andalusian engineering and quality control company (Spain) in the field of construction (including transport infrastructure engineering, hydraulic projects, building engineering and industrial projects) born in 1972 and employing around 500 people. CEMOSA is looking for projects for participating as partner.</p> <p>CEMOSA's activities are structured as follows:</p> <ul style="list-style-type: none"> <li>i) Building and Industrial Engineering,             <ul style="list-style-type: none"> <li>• Building foundations and structures. Pathologies</li> <li>• Facilities, installations and control systems</li> <li>• Energy assessments and Renewable Energy Sources</li> </ul> </li> <li>ii) Transport Infrastructure Engineering,             <ul style="list-style-type: none"> <li>• Roads</li> <li>• Railway systems</li> <li>• Airports</li> <li>• Ports and dams</li> </ul> </li> <li>iii) Geotechnical Engineering,</li> <li>iv) Construction Material Quality Control,</li> <li>v) Health and Safety Coordination,</li> <li>vi) Product Certification and</li> <li>vii) Research, Technological Development and Innovation</li> </ul>

	<p>The Research, Technological Development and Innovation Division is an horizontal business line that interacts with the rest of the activities of the company. CEMOSA has experience in the coordination and development of R&amp;D projects funded by the EU Framework Programme, the Government of Spain, private companies and/or its own sources. Regarding the 7th Framework Programme, CEMOSA is coordinating two projects, one of them in the call of Transport (ACEM-Rail: "Automated and cost effective maintenance for railway") and another one in call of Energy Efficient Buildings (SEEDS: "Self-learning energy efficient buildings and open spaces"). CEMOSA also coordinated a project into the 5th Framework Programme (SMARTCOMP: "Fibre optic Sensors for the Monitoring of Composite Strengthened Structures").</p>
<p><b>Expertise offered (related to the topic)</b></p>	<p>The Divisions of Transport Infrastructure Engineering, Geotechnical Engineering and Construction Material Quality Control have a wide experience in roads including safety issues. The Building and Industrial Engineering Division has experience in signalling and control systems. CEMOSA could collaborate in identifying white spots and priorities of research. It could also participate in the dissemination of research activities and success stories. CEMOSA is an active member of the Spanish Technology Road Platform.</p>

Previous FP experience
<p style="text-align: center;"> <input checked="" type="checkbox"/> <b>Yes</b>      <input type="checkbox"/> <b>No</b> </p> <p>(If "yes", please indicate project acronyms: ACEM-Rail, SEEDS, SMARTCOMP)</p>

**I agree to the publication of my data.**

## Organization: CEMOSA

Contact Details		
<b>Organization</b>	CEMOSA	
<b>Contact Person</b>	Noemi Jimenez-Redondo	
<b>Full Address</b>	Benaque 9	
<b>Postcode</b>	29004	<b>City</b> Málaga
<b>Tel.</b>	+34 952 230842	<b>Fax</b> +34 952 231214
<b>Email</b>	noemi.jimenez@cemosa.es	
<b>Web address</b>	http://www.cemosa.es	

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.5.2-1 Tools and conditions for attractive, efficient and competitive single wagonload traffic and its interaction with road and intermodal transports

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CEMOSA is an Andalusian engineering and quality control company (Spain) in the field of construction (including transport infrastructure engineering, hydraulic projects, building engineering and industrial projects) born in 1972 and employing around 500 people. CEMOSA is looking for projects for participating as partner.</p> <p>CEMOSA's activities are structured as follows:</p> <ul style="list-style-type: none"> <li>i) Building and Industrial Engineering,             <ul style="list-style-type: none"> <li>• Building foundations and structures. Pathologies</li> <li>• Facilities, installations and control systems</li> <li>• Energy assessments and Renewable Energy Sources</li> </ul> </li> <li>ii) Transport Infrastructure Engineering,             <ul style="list-style-type: none"> <li>• Roads</li> <li>• Railway systems</li> <li>• Airports</li> <li>• Ports and dams</li> </ul> </li> <li>iii) Geotechnical Engineering,</li> <li>iv) Construction Material Quality Control,</li> <li>v) Health and Safety Coordination,</li> <li>vi) Product Certification and</li> <li>vii) Research, Technological Development and Innovation</li> </ul>

	<p>The Research, Technological Development and Innovation Division is an horizontal business line that interacts with the rest of the activities of the company. CEMOSA has experience in the coordination and development of R&amp;D projects funded by the EU Framework Programme, the Government of Spain, private companies and/or its own sources. Regarding the 7th Framework Programme, CEMOSA is coordinating two projects, one of them in the call of Transport (ACEM-Rail: "Automated and cost effective maintenance for railway") and another one in call of Energy Efficient Buildings (SEEDS: "Self-learning energy efficient buildings and open spaces"). CEMOSA also coordinated a project into the 5th Framework Programme (SMARTCOMP: "Fibre optic Sensors for the Monitoring of Composite Strengthened Structures").</p>
<p><b>Expertise offered (related to the topic)</b></p>	<p>The Divisions of Transport Infrastructure Engineering and Building and Industrial Engineering have experience in railway engineering, rolling stocks, logistic and intermodal transport, energy management and assessment, control systems and ICT tools among others fields. CEMOSA could participate in the following tasks:</p> <ul style="list-style-type: none"> <li>• Analysis of loading/unloading technologies for goods including issues such as optimal routing or feeder services.</li> <li>• Design of local industrial freight terminus infrastructure.</li> <li>• Analysis of costs (including maintenance and operation costs) and investments.</li> </ul>

Previous FP experience
<p style="text-align: center;"> <input checked="" type="checkbox"/> <b>Yes</b>      <input type="checkbox"/> <b>No</b> </p> <p>(If "yes", please indicate project acronyms: ACEM-Rail, SEEDS, SMARTCOMP)</p>

**I agree to the publication of my data.**

## Organization: CEMOSA

### Contact Details

<b>Organization</b>	CEMOSA		
<b>Contact Person</b>	Noemi Jimenez-Redondo		
<b>Full Address</b>	Benaque 9		
<b>Postcode</b>	29004	<b>City</b>	Málaga
<b>Tel.</b>	+34 952 230842	<b>Fax</b>	+34 952 231214
<b>Email</b>	noemi.jimenez@cemosa.es		
<b>Web address</b>	http://www.cemosa.es		

### Area or Topic of interest

<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic (as stated in the Work Programme)</b>	SST.2012.5.2-2 – Next generation tools for optimized infrastructure asset management

### Profile of Partner(s) Offered

<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input type="checkbox"/> Dissemination <input type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input checked="" type="checkbox"/> Enterprise (non SME)

<b>Entity profile</b>	<p>CEMOSA is an Andalusian engineering and quality control company (Spain) in the field of construction (including transport infrastructure engineering, hydraulic projects, building engineering and industrial projects) born in 1972 and employing around 500 people. CEMOSA is looking for projects for participating as partner. CEMOSA's activities are structured as follows:</p> <p>CEMOSA's activities are structured as follows:</p> <ul style="list-style-type: none"> <li>i) Building and Industrial Engineering,             <ul style="list-style-type: none"> <li>• Building foundations and structures. Pathologies</li> <li>• Facilities, installations and control systems</li> <li>• Energy assessments and Renewable Energy Sources</li> </ul> </li> <li>ii) Transport Infrastructure Engineering,             <ul style="list-style-type: none"> <li>• Roads</li> <li>• Railway systems</li> <li>• Airports</li> <li>• Ports and dams</li> </ul> </li> <li>iii) Geotechnical Engineering,</li> <li>iv) Construction Material Quality Control,</li> <li>v) Health and Safety Coordination,</li> <li>vi) Product Certification and</li> <li>vii) Research, Technological Development and Innovation.</li> </ul>
-----------------------	--

	<p>The Divisions of Transport Infrastructure Engineering and Building and Industrial Engineering have experience in railway engineering, logistics and intermodal transport, safety, rolling stocks, asset management and control systems among others fields.</p> <p>The Research, Technological Development and Innovation Division is an horizontal business line that interacts with the rest of the activities of the company. CEMOSA has experience in the coordination and development of R&amp;D projects funded by the EU Framework Programme, the Government of Spain, private companies and/or its own sources. Regarding the 7th Framework Programme, CEMOSA is coordinating two projects, one of them in the call of Transport (ACEM-Rail: "Automated and cost effective maintenance for railway") and another one in call of Energy Efficient Buildings (SEEDS: "Self-learning energy efficient buildings and open spaces"). CEMOSA also coordinated a project into the 5th Framework Programme (SMARTCOMP: "Fibre optic Sensors for the Monitoring of Composite Strengthened Structures").</p>
<p><b>Expertise offered (related to the topic)</b></p>	<p>CEMOSA propose to tackle the issues listed below within the project. CEMOSA has experience to work on all of them:</p> <ul style="list-style-type: none"> <li>• Analysis of possible adoptions of maintenance tools from other industry sectors to the railway infrastructure.</li> <li>• Development of news algorithms for optimization infrastructure management.</li> <li>• Development of a comprehensive infrastructure asset management system including issues such as actual and historical state/condition, statistics or location/geographical information.</li> <li>• Validation of the technologies in real pilot demonstrator.</li> </ul> <p>CEMOSA is the coordinator of the project entitled "Automated and cost effective maintenance for railway" (ACEM-Rail), in the call FP7-SST-2010-RTD-1. This project aims to improve the railway maintenance by the development of a highly integrated automatic system, as well as to improve the quality, safety, reliability and availability of the railway system. The ACEM-Rail project shares some characteristics with a new proposal on this topic. It could be a starting point of the new proposal.</p>

<b>Previous FP experience</b>
<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>
(If "yes", please indicate project acronyms: ACEM-Rail, SEEDS, SMARTCOMP)

**I agree to the publication of my data.**

## Organization: CITIC

Contact Details		
<b>Organization</b>	CITIC	
<b>Contact Person</b>	Desirée Bellido Toré	
<b>Full Address</b>	C/ Marie Curie, 6	
<b>Postcode</b>	29590	<b>City</b> Málaga
<b>Tel.</b>	+34 952 028 610	<b>Fax</b> +34 951 231 029
<b>Email</b>	international@citic.es	
<b>Web address</b>	www.citic.es	

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.5.2-2. Next generation tools for optimized infrastructure asset management

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CITIC is a Technological Centre located in the South of Spain, recognized by the Regional Minister of Economy, Innovation and Science in Andalusia and the Spanish Minister of Science and Innovation. CITIC is focused on the development of ICT for enterprises and citizens of its environment, and applies it to several fields like eHealth, Security and Trust, Computational Models, Wireless and Mobile Communications and interactive Digital Television. CITIC has its own Technology Transfer Office (TTO) that interacts with enterprises, Universities and entities interested in the results of the finished projects, and is continuously looking for new opportunities of valuable collaboration with entities around the world.</p>
<b>Expertise offered (related to the topic)</b>	<p>The researchers of CITIC have experience developing Artificial Intelligence algorithms for different applications. There are several ways of dealing with raw data or information in a smart way, one may be fuzzy analysis, but there are dozens of ways and some of them are within the experience of its researchers, so they can work on several solutions to decide which is most suitable for each matter.</p> <p>Another part of the problem is compiling all the information from several sources after processing it to extract its valuable content. These results then are used by the authorities to implement actions for maintenance or reacting to the change in the consumer behaviour. CITIC has also worked with decision support systems which can show the different options to persons in charge of taking important decisions. In the transport sector, this has to be synchronised, because there are different national authorities involved in this issue, and even from different transport system, and making changes in one region has an indirect impact in the neighbour regions. It</p>

	<p>is not one solution about how this process should be designed to involve all of them in the decision making at European level. In this field rarely there is an unique European policy defining every step, because the competences lay on the national authorities so it is necessary a way of supporting the creation of a common point of view based in real-data, to solve European problem with a national focus.</p> <p>CITIC can help in designing, implementing and optimizing a tool that support the whole process working close to the relevant stakeholders from each transport system. A project dealing with this problem may be implemented using the input from national transport authorities and adding other entities specialized in some fields like data collection or traffic management ICT tools.</p>
--	--

<b>Previous FP experience</b>
<input type="checkbox"/> <b>Yes</b> <input checked="" type="checkbox"/> <b>No</b>
(If "yes", please indicate project acronyms:                      )

**I agree to the publication of my data.**



## Organization: ANDALTEC R & D +i Foundation

Contact Details	
<b>Organization</b>	ANDALTEC R&D+i Foundation
<b>Contact Person</b>	Daniel Aguilera Puerto
<b>Full Address</b>	Ampliacion Poligono Industrial Cañada de la Fuente. Avenida Principal
<b>Postcode</b>	23600
<b>City</b>	Martos (Jaen)
<b>Tel.</b>	+34 953 555 117
<b>Fax</b>	+34 953 555 11
<b>Email</b>	aguilera@andaltec.org
<b>Web address</b>	cit@andaltec.org

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.5.2-3. Innovative structural and outfitting materials for ships including inland ships

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input checked="" type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input checked="" type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>Andaltec is a research foundation recognized as Plastic Technological Centre in Andalusia in the South of Spain. It is made up of a professional staff of over 70 employees from diverse technical specialization, most of them with wide experience gained within the automobile and plastic industry.</p> <p>Andaltec belongs to the Technological Areas Network of Andalusia (RETA) and enjoys excellent working relationships with the enterprises in the plastics sector, with other Technological Centres, universities and research centres, with whom key R&amp;D projects have been carried out. The main lines of projects are described as follows:</p> <ul style="list-style-type: none"> <li>- Innovative Materials:             <ul style="list-style-type: none"> <li>✓ Research and development of innovative materials such as composites improving the characteristics of conventional plastics.</li> <li>✓ Advance in other applications for instance metallic, ceramic and glass products which can be manufactured in plastic products.</li> <li>✓ Testing and analysis in the Physic and Chemistry Laboratory in order to determine technical specifications and validate new plastic materials.</li> </ul> </li> <li>- Design and development of new products by means of designing; thermal, mechanical and process simulations; prototyping and small scale test bath production.</li> <li>- Improvement of Productivity applying the Lean management.</li> </ul>

	<ul style="list-style-type: none"> <li>- Environment: Research focuses on recycled materials, reuse of industrial waste, biodegradable plastic, replacement metal or glass to plastic and life cycle assessment of the value chain is carried out.</li> <li>- Marketing: Diagnosis of product market and strategic positioning and differentiation since ANDALTEC has a deep knowledge of numerous small and medium sized businesses in the plastic sector and other sectors related to the automobile, aeronautic and railway industries, where it carries out industrial tests, dimensional metrology and process and product validation.</li> </ul> <p>The most noteworthy projects have been the followings:</p> <ul style="list-style-type: none"> <li>✓ ECOPLAST: Replacement of metallic materials and glass with plastic materials, reuse of industrial waste in the production of raw plastic material and characterization and search for industrial applications for bioplastic materials.</li> <li>✓ Obsidium: Development of manufacturing optimization methodologies for traditional sectors.</li> <li>✓ SIMULATION OF INJECTION PROCESSES: Injection process simulations prior to mould manufacturing.</li> <li>✓ COMPETINOVA: Development of integral system of innovation management.</li> <li>✓ TELURIS: Optimization of plastic materials through dispersion of nanoactivated clays, involving an improvement of the properties of polymers.</li> <li>✓ VALORA: Diagnosis of product market and strategic positioning by means of differentiation.</li> <li>✓ SIMULATION JOINTS: Identification of boundary conditions for mixed plastic-metal joints to make resonance and vibration simulations.</li> <li>✓ ASSEMBLY OF PLASTIC PARTS: Improvement of the Quality and Productivity of products and assembly of plastic parts through the development of methodologies to work with EFQM Excellence Model.</li> <li>✓ CAPLESS: Development of an anti-error system for cars to fill up with both petrol and diesel.</li> <li>✓ PRODUCT DESIGN: Development of new products and definition of technical specifications.</li> </ul>
<p><b>Expertise offered (related to the topic)</b></p>	<p>Andaltec has in-depth know-how in research and development of innovative materials improving its characteristics and properties, advance in new applications, determination of technical specifications and validation of new plastic materials, including light-weight materials.</p> <p>In this topic, Andaltec could take part in the research in new materials such as innovative plastic materials improving properties (corrosion resistance, friction, weldability, etc.) and in the assembly processes.</p> <p>Nowadays, the most noteworthy project related to the topic that we are involved is the development of automatic defences for crafts in plastic materials, through the design, simulation and modelling of this part of the craft.</p>

**Previous FP experience**

**Yes**

**No**

(If “yes”, please indicate project acronyms: SusFoFlex and INTEGRAL)

1. FP7-KBBE 2011-5-CP-CSA. SusFoFlex: Advanced and flexible technologies for active, intelligent and sustainable food packaging. Role: Partner, Work Package leader, and Exploitation Manager.
2. FP7-2009-BIOREFINERYCP: INTEGRAL: Intensification and integration of second generation biorefineries for the production of fuels and chemicals. Role: Partner.

**I agree to the publication of my data.**

**Organization: CETEMET**  
**Centro Tecnológico Metalmecánico del Transporte Terrestre**

Contact Details	
<b>Organization</b>	CETEMET, Centro Tecnológico Metalmecánico del Transporte Terrestre
<b>Contact Person</b>	Vittorio Carofiglio / Juan Manuel Luque Cantero
<b>Full Address</b>	Parque Empresarial Linarejos. Avda. Primero de Mayo s/n
<b>Postcode</b>	23700
<b>City</b>	Linarejos
<b>Tel.</b>	953 64 92 78
<b>Fax</b>	953 69 67 19
<b>Email</b>	juan.luque@cetemet.es / vittorio.carofiglio@cetemet.es /
<b>Web address</b>	www.cetemet.es

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	SST.2012.5.2-4 Innovation and standardization in the field of signaling to accelerate European Train Control System rollout

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CETEMET, Technological Centre in Metal-mechanic and Transport Industry is established in Linarejos (South of Spain). CETEMET is a non-profit private foundation and has actively supported the needs of companies in the metal-mechanic and automotive sectors since 2007. CETEMET is integrated by 28 organizations as a Board of Trustees which closely bound together with the Centre. Among the Board of Trustees it is possible to find important industrial entities in the region of Andalusia (South of Spain), including several surface transport manufacturers (car, bus, train and component).</p> <p>CETEMET has elaborated regional or national projects in order to promote innovation within the enterprises in several areas and in 2010 has started its participation in two proposals in the FP-7.</p> <p>CETEMET's principal R&amp;D areas are:</p> <ul style="list-style-type: none"> <li>• Research on vehicles (trains, bus, trucks, cars, etc.).</li> <li>• Energy Efficiency.</li> <li>• Climatic and thermo-dynamical tests</li> <li>• Air conditioning and refrigeration systems of vehicles.</li> <li>• Urban sustainable mobility.</li> <li>• Methods and tools for fleet management.</li> <li>• Improvement and efficiency of supply chain management in manufacturing sector.</li> </ul>

	<ul style="list-style-type: none"> <li>• ERTMS Implementation and capability modeling.</li> <li>• Development of tools to support design and efficiency of container chassis and bodies.</li> </ul> <p>The principal R&amp;D projects of CETEMET are:</p> <p>MEET: Energetic efficiency in the refrigerated transport. Development of a classification and characterization of refrigerated bodies in the market in terms of energetic efficiency for energy rating of refrigerated box of refrigerated vehicles. Implementation of a reduced standardized test in order to measure thermal losses.</p> <p>SAGEMUS: Development and assessment of methods and tools for sustainable mobility plans. Measurement of the benefits of these mobility plans.</p> <p>Other projects pending funding:</p> <ul style="list-style-type: none"> <li>• MEET+: Development of tool for prediction of thermal losses. Thermal insulation measurement (theoretically and testing) in refrigerated vehicles. Thermo dynamical model.</li> <li>• GESMOCAR: Development of a design tool for manufacturers of container chassis and bodies (trucks).</li> <li>• FAAVEC: Heating, ventilating, Air Conditioning (HVAC).</li> <li>• COVEL: Development of air conditioning system optimized for electric vehicle.</li> <li>• AUTONET: Development of a software platform in order to improve the supply chain in the manufacturing sector.</li> <li>• ISYFORAIL: Development of a new life cycle management model for rail infrastructure.</li> </ul>
<p><b>Expertise offered (related to the topic)</b></p>	<p>The CETEMET's expertise related to the TOPIC consists of:</p> <ul style="list-style-type: none"> <li>• ERTMS: implementation and capability modelling.</li> <li>• RAMS (Reliability, Availability, Maintainability and Safety) analysis</li> <li>• Train integrity monitoring solution for ERTMS Level 3, focusing on freight trains without electrical infrastructure.</li> <li>• Development of route information display based on commercial GNSS/GPS technology for train-drivers in degraded situations.</li> <li>• Networking ability in the transport sector (above all, within Spain) which can be useful for the involvement of public transport and key actors.</li> </ul>

Previous FP experience	
<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>	
<p>CETEMET has participated in the development of two proposals:</p> <ul style="list-style-type: none"> <li>• ISYFORAIL. Integrated System for Diagnostic &amp; Maintenance. Management of Railway Infrastructure. Topic addressed: FP7-2011-SST.2011.5.2-6 Development of new life cycle management model for rail infrastructure.</li> <li>• AUTONET. Autonomic Management of Networked Small-Medium Factories. Topic addressed: FP7-2011-NMP-ICT-FoF-7.3. Development of a software platform for the improvement of the supply chain in the manufacturing sector.</li> </ul>	

**I agree to the publication of my data.**

## Organization: ANDALTEC R & D +i Foundation

Contact Details	
<b>Organization</b>	ANDALTEC R&D+i Foundation
<b>Contact Person</b>	Daniel Aguilera Puerto
<b>Full Address</b>	Ampliacion Poligono Industrial Cañada de la Fuente. Avenida Principal
<b>Postcode</b>	23600
<b>City</b>	Martos (Jaen)
<b>Tel.</b>	+34 953 555 117
<b>Fax</b>	+34 953 555 11
<b>Email</b>	aguilera@andaltec.org
<b>Web address</b>	cit@andaltec.org

Area or Topic of interest	
<b>Call identifier</b>	FP7-2012-GC-MATERIALS
<b>Topic</b> (as stated in the Work Programme)	GC.SST.2012.1-1. Innovative advanced lightweight materials for the next generation of environmentally-friendly electric vehicles

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input checked="" type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input type="checkbox"/> Research Organization <input checked="" type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>Andaltec is a research foundation recognized as Plastic Technological Centre in Andalusia in the South of Spain. It is made up of a professional staff of over 70 employees from diverse technical specialization, most of them with wide experience gained within the automobile and plastic industry.</p> <p>Andaltec belongs to the Technological Areas Network of Andalusia (RETA) and enjoys excellent working relationships with the enterprises in the plastics sector, with other Technological Centres, universities and research centres, with whom key R&amp;D projects have been carried out. The main lines of projects are described as follows:</p> <ul style="list-style-type: none"> <li>- Innovative Materials:             <ul style="list-style-type: none"> <li>✓ Research and development of innovative materials such as composites improving the characteristics of conventional plastics.</li> <li>✓ Advance in other applications for instance metallic, ceramic and glass products which can be manufactured in plastic products.</li> <li>✓ Testing and analysis in the Physic and Chemistry Laboratory in order to determine technical specifications and validate new plastic materials.</li> </ul> </li> <li>- Design and development of new products by means of designing; thermal, mechanical and process simulations; prototyping and small scale test bath production.</li> <li>- Improvement of Productivity applying the Lean management.</li> <li>- Environment: Research focuses on recycled materials, reuse of industrial waste, biodegradable plastic, replacement metal or glass to plastic and life cycle</li> </ul>

	<p>assessment of the value chain is carried out.</p> <ul style="list-style-type: none"> <li>- Marketing: Diagnosis of product market and strategic positioning and differentiation since ANDALTEC has a deep knowledge of numerous small and medium sized businesses in the plastic sector and other sectors related to the automobile, aeronautic and railway industries, where it carries out industrial tests, dimensional metrology and process and product validation.</li> </ul> <p>The most noteworthy projects have been the followings:</p> <ul style="list-style-type: none"> <li>✓ ECOPLAST: Replacement of metallic materials and glass with plastic materials, reuse of industrial waste in the production of raw plastic material and characterization and search for industrial applications for bioplastic materials.</li> <li>✓ SIMULATION OF INJECTION PROCESSES: Injection process simulations prior to mould manufacturing.</li> <li>✓ COMPETINOVA: Development of integral system of innovation management.</li> <li>✓ TELURIS: Optimization of plastic materials through dispersion of nanoactivated clays, involving an improvement of the properties of polymers.</li> <li>✓ VALORA: Diagnosis of product market and strategic positioning by means of differentiation.</li> <li>✓ SIMULATION JOINTS: Identification of boundary conditions for mixed plastic-metal joints to make resonance and vibration simulations.</li> <li>✓ CAPLESS: Development of an anti-error system for cars to fill up with both petrol and diesel.</li> <li>✓ PRODUCT DESIGN: Development of new products and definition of technical specifications.</li> </ul>
<p><b>Expertise offered (related to the topic)</b></p>	<p>Andaltec has in-depth know-how in research and development of innovative materials improving its characteristics and properties, advance in new applications, determination of technical specifications and validation of new plastic materials, including light-weight materials.</p> <p>We have developed several projects with industrial partners, mainly of the automotive sector. Between the most noteworthy projects executed with automobile industry, we have carried out the Obsidium project for the development of manufacturing optimization methodologies for automotive sector and as well the P2 ISA 1 project. This project aims at the development of technologies associated with the lighting with LEDs for car headlight and OLEDs organic diodes.</p> <p>In addition, ANDALTEC staff has performed several patents such as Tail Functions made with a “3D effect” system using half- metallization.</p>

<b>Previous FP experience</b>
<p style="text-align: center;"><input checked="" type="checkbox"/> <b>Yes</b>      <input type="checkbox"/> <b>No</b></p> <p>(If “yes”, please indicate project acronyms: SusFoFlex and INTEGRAL)</p> <ol style="list-style-type: none"> <li>3. FP7-KBBE 2011-5-CP-CSA. SusFoFlex: Advanced and flexible technologies for active, intelligent and sustainable food packaging. Role: Partner, Work Package leader, and Exploitation Manager.</li> <li>4. FP7-2009-BIOREFINERYCP: INTEGRAL: Intensification and integration of second generation biorefineries for the production of fuels and chemicals. Role: Partner.</li> </ol>

**I agree to the publication of my data**

**Organization: CETEMET**  
**Centro Tecnológico Metalmecánico del Transporte Terrestre**

Contact Details	
<b>Organization</b>	CETEMET, Centro Tecnológico Metalmecánico del Transporte Terrestre
<b>Contact Person</b>	Vittorio Carofiglio / Juan Manuel Luque Cantero
<b>Full Address</b>	Parque Empresarial Linarejos. Avda. Primero de Mayo s/n
<b>Postcode</b>	23700 <b>City</b> Linares
<b>Tel.</b>	953 64 92 78 <b>Fax</b> 953 69 67 19
<b>Email</b>	juan.luque@cetemet.es / vittorio.carofiglio@cetemet.es /
<b>Web address</b>	www.cetemet.es

Area or Topic of interest	
<b>Call identifier</b>	FP7-TRANSPORT-2012-MOVE-1
<b>Topic</b> (as stated in the Work Programme)	GC.SST.2012.1-7. Demonstration of Urban freight Electric Vehicles for Clean city logistics.

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CETEMET, Technological Centre in Metal-mechanic and Transport Industry is established in Linares (South of Spain). CETEMET is a non-profit private foundation and has actively supported the needs of companies in the metal-mechanic and automotive sectors since 2007. CETEMET is integrated by 28 organizations as a Board of Trustees which closely bound together with the Centre. Among the Board of Trustees it is possible to find important industrial entities in the region of Andalusia (South of Spain), including several surface transport manufacturers (car, bus, train and component).</p> <p>CETEMET has elaborated regional or national projects in order to promote innovation within the enterprises in several areas and in 2010 has started its participation in two proposals in the FP-7.</p> <p>CETEMET's principal R&amp;D areas are:</p> <ul style="list-style-type: none"> <li>• Research on vehicles (trains, bus, trucks, cars, etc.).</li> <li>• Energy Efficiency.</li> <li>• Climatic and thermo-dynamical tests</li> <li>• Air conditioning and refrigeration systems of vehicles.</li> <li>• Urban sustainable mobility.</li> <li>• Methods and tools for fleet management.</li> <li>• Improvement and efficiency of supply chain management in manufacturing sector.</li> <li>• ERTMS Implementation and capability modeling.</li> </ul>



	<ul style="list-style-type: none"> <li>• Development of tools to support design and efficiency of container chassis and bodies.</li> </ul> <p>The principal R&amp;D projects of CETEMET are:</p> <p>MEET: Energetic efficiency in the refrigerated transport. Development of a classification and characterization of refrigerated bodies in the market in terms of energetic efficiency for energy rating of refrigerated box of refrigerator vehicles. Implementation of a reduced standardized test in order to measure thermal losses.</p> <p>SAGEMUS: Development and assessment of methods and tools for sustainable mobility plans. Measurement of the benefits of these mobility plans.</p> <p>Other projects pending funding:</p> <ul style="list-style-type: none"> <li>• MEET+: Development of tool for prediction of thermal losses. Thermal insulation measurement (theoretically and testing) in refrigerated vehicles. Thermo dynamical model.</li> <li>• GESMOCAR: Development of a design tool for manufacturers of container chassis and bodies.</li> <li>• DIAMOND WIRE. Optimization of the diamond wire for stone cutting.</li> <li>• FAAVEC: Heating, ventilating, Air Conditioning (HVAC).</li> <li>• COVEL: Development of air conditioning system optimized for electric vehicle.</li> <li>• AUTONET: Development of a software platform in order to improve the supply chain in the manufacturing sector.</li> <li>• ISYFORAIL: Development of a new life cycle management model for rail infrastructure.</li> </ul>
<p><b>Expertise offered (related to the topic)</b></p>	<p>CETEMET's expertise related to the topic is:</p> <ul style="list-style-type: none"> <li>• Test capability available in our Climatic Wind Tunnel</li> <li>• Development, implementation and assessment of sustainable urban mobility plans. This is an important expertise for the assessment of the state of the art of city freight movements and the delivery market. One of the tasks needed for these plans is the study of the city freight movements.</li> <li>• Design and Development of methods and tools for vehicles energy consumption and for emissions. This is an important expertise for: <ul style="list-style-type: none"> <li>- The demonstration of urban and logistic solutions with electric vehicle fleets assessment with the aim to validate the feasibility of logistic solutions on the basis of better efficiency of transport flows and reduction of environmental impacts (noise, CO2 emissions)</li> <li>- The Assessment of the impact on energy and environment.</li> </ul> </li> </ul>

**Previous FP experience**

**Yes**       **No**

CETEMET has participated in the realization of two proposals of two projects:

- ISYFORAIL. Integrated System for Diagnostic & Maintenance. Management of Railway Infrastructure. Topic addressed: FP7-2011-SST.2011.5.2-6  
Development of new life cycle management model for rail infrastructure.
- AUTONET. Autonomic Management of Networked Small-Medium Factories. Topic addressed: FP7-2011-NMP-ICT-FoF-7.3.  
Development of a software platform for the improvement of the supply chain in the manufacturing sector.

**I agree to the publication of my data.**

**Organization: CETEMET**  
**Centro Tecnológico Metalmecánico del Transporte Terrestre**

Contact Details	
<b>Organization</b>	CETEMET, Centro Tecnológico Metalmecánico del Transporte Terrestre
<b>Contact Person</b>	Vittorio Carofiglio / Juan Manuel Luque Cantero
<b>Full Address</b>	Parque Empresarial Linarejos. Avda. Primero de Mayo s/n
<b>Postcode</b>	23700 <b>City</b> Linares
<b>Tel.</b>	953 64 92 78 <b>Fax</b> 953 69 67 19
<b>Email</b>	juan.luque@cetemet.es / vittorio.carofiglio@cetemet.es /
<b>Web address</b>	www.cetemet.es

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	GC.SST.2012.2-2. Complete vehicle energy management

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CETEMET, Technological Centre in Metal-mechanic and Transport Industry is established in Linares (South of Spain). CETEMET is a non-profit private foundation and has actively supported the needs of companies in the metal-mechanic and automotive sectors since 2007. CETEMET is integrated by 28 organizations as a Board of Trustees which closely bound together with the Centre. Among the Board of Trustees it is possible to find important industrial entities in the region of Andalusia (South of Spain), including several surface transport manufacturers (car, bus, train and component).</p> <p>CETEMET has elaborated regional or national projects in order to promote innovation within the enterprises in several areas and in 2010 has started its participation in two proposals in the FP-7.</p> <p>CETEMET's principal R&amp;D areas are:</p> <ul style="list-style-type: none"> <li>• Vehicles (Trains, bus, trucks, cars, etc.).</li> <li>• Energy Efficiency.</li> <li>• Climatic and thermo-dynamical tests</li> <li>• Air conditioning and refrigeration systems of vehicles.</li> <li>• Urban sustainable mobility.</li> <li>• Methods and tools for fleet management.</li> <li>• Improvement and efficiency of supply chain management in manufacturing sector.</li> </ul>

	<ul style="list-style-type: none"> <li>• ERTMS Implementation and capability modeling.</li> <li>• Development of tools to support design and efficiency of container chassis and bodies.</li> </ul> <p>The principal R&amp;D projects of CETEMET are:</p> <p>MEET: Energetic efficiency in the refrigerated transport. Development of a classification and characterization of refrigerated bodies in the market in terms of energetic efficiency for energy rating of refrigerated box of refrigerator vehicles. Implementation of a reduced standardized test in order to measure thermal losses.</p> <p>SAGEMUS: Development and assessment of methods and tools for sustainable mobility plans. Measurement of the benefits of these mobility plans.</p> <p>Other projects pending funding:</p> <ul style="list-style-type: none"> <li>• MEET+: Development of tool for prediction of thermal losses. Thermal insulation measurement (theoretically and testing) in refrigerated vehicles. Thermo dynamical model.</li> <li>• GESMOCAR: Development of a design tool for manufacturers of container chassis and bodies.</li> <li>• DIAMOND WIRE. Optimization of the diamond wire for stone cutting.</li> <li>• FAAVEC: Heating, ventilating, Air Conditioning (HVAC).</li> <li>• COVEL: Development of air conditioning system optimized for electric vehicle.</li> <li>• AUTONET: Development of a software platform in order to improve the supply chain in the manufacturing sector.</li> <li>• ISYFORAIL: Development of a new life cycle management model for rail infrastructure.</li> </ul>
<p><b>Expertise offered (related to the topic)</b></p>	<p>CETEMET's expertise related to the topic is:</p> <ul style="list-style-type: none"> <li>• Climate tests on vehicles of small and big size (buses, train wagons, cars etc.) dimensions in our <b>Climatic-Wind-Tunnel</b>. This expertise allows the optimization of power management and distribution in the vehicle.</li> <li>• Assessment of energy efficiency of refrigerated vehicles; assessment of air conditioning systems and climate tests. This expertise is important to study synergies for cooling performance to improve the vehicle energy management.</li> </ul>

Previous FP experience	
<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>	
<ul style="list-style-type: none"> <li>• ISYFORAIL. Integrated System for Diagnostic &amp; Maintenance. Management of Railway Infrastructure. Topic addressed: FP7-2011-SST.2011.5.2-6 Development of new life cycle management model for rail infrastructure.</li> <li>• AUTONET. Autonomic Management of Networked Small-Medium Factories. Topic addressed: FP7-2011-NMP-ICT-FoF-7.3. Development of a software platform for the improvement of the supply chain in the manufacturing sector.</li> </ul>	

**I agree to the publication of my data.**

## Organization: CITIC

Contact Details		
<b>Organization</b>	CITIC	
<b>Contact Person</b>	Desirée Bellido Toré	
<b>Full Address</b>	C/ Marie Curie, 6	
<b>Postcode</b>	29590	<b>City</b> Málaga
<b>Tel.</b>	+34 952 028 610	<b>Fax</b> +34 951 231 029
<b>Email</b>	international@citic.es	
<b>Web address</b>	www.citic.es	

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	GC.SST.2012.3-2 Improve capturing and sharing of transport data in support of innovative freight transport schemes.

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CITIC is a Technological Centre located in the South of Spain, recognized by the Regional Minister of Economy, Innovation and Science in Andalusia and the Spanish Minister of Science and Innovation. CITIC is focused on the development of ICT for enterprises and citizens of its environment, and applies it to several fields like eHealth, Security and Trust, Computational Models, Wireless and Mobile Communications and interactive Digital Television. CITIC has its own Technology Transfer Office (TTO) that interacts with enterprises, Universities and entities interested in the results of the finished projects, and is continuously looking for new opportunities of valuable collaboration with entities around the world.</p>
<b>Expertise offered (related to the topic)</b>	<p>One big concern in CITIC is working with structured and non-structured data, so they have to be processed prior to be used. In this process some different purposes can be taken into account, filtering some unwanted information or maybe extracting higher level information more similar to knowledge through data or text mining techniques. In this field, CITIC has experience implementing knowledge extraction, so using a set of data another set of more elaborated data can be extrapolated, and in this process previous data can be used to estimate some figures that have not been acquired directly but can be estimated from other data.</p>

**Previous FP experience**

Yes

No

(If “yes”, please indicate project acronyms: )

**I agree to the publication of my data.**

## Organization: CETEMET

### Contact Details

<b>Organization</b>	CETEMET, Centro Tecnológico Metalmecánico del Transporte Terrestre		
<b>Contact Person</b>	Vittorio Carofiglio / Juan Manuel Luque Cantero		
<b>Full Address</b>	Parque Empresarial Linarejos. Avda. Primero de Mayo s/n		
<b>Postcode</b>	23700	<b>City</b>	Linares
<b>Tel.</b>	953 64 92 78	<b>Fax</b>	953 69 67 19
<b>Email</b>	juan.luque@cetemet.es / vittorio.carofiglio@cetemet.es		
<b>Web address</b>	www.cetemet.es		

### Area or Topic of interest

<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	GC.SST.2012.3-2. Improve capturing and sharing of transport data in support of innovative freight schemes

### Profile of Partner(s) Offered

<b>Role in the project</b>	<input checked="" type="checkbox"/> Research	<input type="checkbox"/> Training	<input checked="" type="checkbox"/> Tech. development
	<input type="checkbox"/> Management	<input checked="" type="checkbox"/> Dissemination	<input checked="" type="checkbox"/> Demonstration
	<input type="checkbox"/> Other:		
<b>Type of organization</b>	<input type="checkbox"/> University	<input checked="" type="checkbox"/> Research Organization	<input type="checkbox"/> SME
	<input type="checkbox"/> Other:		<input type="checkbox"/> Enterprise (non SME)

#### Entity profile

CETEMET, Technological Centre in Metal-mechanic and Transport Industry is established in Linares (South of Spain). CETEMET is a non-profit private foundation and has actively supported the needs of companies in the metal-mechanic and automotive sectors since 2007. CETEMET is integrated by 28 organizations as a Board of Trustees which closely bound together with the Centre. Among the Board of Trustees it is possible to find important industrial entities in the region of Andalusia (South of Spain), including several surface transport manufacturers (car, bus, train and component).

CETEMET has elaborated regional or national projects in order to promote innovation within the enterprises in several areas and in 2010 has started its participation in two proposals in the FP-7.

CETEMET's principal R&D areas are:

- Vehicles (Trains, bus, trucks, cars, etc.).
- Energy Efficiency.
- Climatic and thermo-dynamical tests
- Air conditioning and refrigeration systems of vehicles.
- Urban sustainable mobility.
- Methods and tools for fleet management.
- Improvement and efficiency of supply chain management in manufacturing sector.
- ERTMS Implementation and capability modeling.
- Development of tools to support design and efficiency of containerchassis and bodies.

	<p>The principal R&amp;D projects of CETEMET are:</p> <p>MEET: Energetic efficiency in the refrigerated transport. Development of a classification and characterization of refrigerated bodies in the market in terms of energetic efficiency for energy rating of refrigerated box of refrigerator vehicles. Implementation of a reduced standardized test in order to measure thermal losses.</p> <p>SAGEMUS: Development and assessment of methods and tools for sustainable mobility plans. Measurement of the benefits of these mobility plans.</p> <p>Other projects pending funding:</p> <ul style="list-style-type: none"> <li>• MEET+: Development of tool for prediction of thermal losses. Thermal insulation measurement (theoretically and testing) in refrigerated vehicles. Thermo dynamical model.</li> <li>• GESMOCAR: Development of a design tool for manufacturers of container chassis and bodies.</li> <li>• DIAMOND WIRE. Optimization of the diamond wire for stone cutting.</li> <li>• FAAVEC: Heating, ventilating, Air Conditioning (HVAC).</li> <li>• COVEL: Development of air conditioning system optimized for electric vehicle.</li> <li>• AUTONET: Development of a software platform in order to improve the supply chain in the manufacturing sector.</li> <li>• ISYFORAIL: Development of a new life cycle management model for rail infrastructure.</li> </ul>
<p><b>Expertise offered (related to the topic)</b></p>	<p>CETEMET's expertise related to the topic is:</p> <ul style="list-style-type: none"> <li>• Development of innovative methodology and tool for efficient management of road freight fleets.</li> </ul>

<b>Previous FP experience</b>	
<input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>	
<p>CETEMET has participated in the realization of two proposals of two projects:</p> <ul style="list-style-type: none"> <li>• ISYFORAIL. Integrated System for Diagnostic &amp; Maintenance. Management of Railway Infrastructure. Topic addressed: FP7-2011-SST.2011.5.2-6 Development of new life cycle management model for rail infrastructure.</li> <li>• AUTONET. Autonomic Management of Networked Small-Medium Factories. Topic addressed: FP7-2011-NMP-ICT-FoF-7.3. Development of a software platform for the improvement of the supply chain in the manufacturing sector.</li> </ul>	

**I agree to the publication of my data.**

## Organization: CITIC

Contact Details		
<b>Organization</b>	CITIC	
<b>Contact Person</b>	Desirée Bellido Toré	
<b>Full Address</b>	C/ Marie Curie, 6	
<b>Postcode</b>	29590	<b>City</b> Málaga
<b>Tel.</b>	+34 952 028 610	<b>Fax</b> +34 951 231 029
<b>Email</b>	international@citic.es	
<b>Web address</b>	www.citic.es	

Area or Topic of interest	
<b>Call identifier</b>	FP7-SST-2012-RTD-1
<b>Topic</b> (as stated in the Work Programme)	GC.SST.2012.3-4 Green hubs enabling co-modal network design.

Profile of Partner(s) Offered	
<b>Role in the project</b>	<input checked="" type="checkbox"/> Research <input type="checkbox"/> Training <input checked="" type="checkbox"/> Tech. development <input type="checkbox"/> Management <input checked="" type="checkbox"/> Dissemination <input checked="" type="checkbox"/> Demonstration <input type="checkbox"/> Other:
<b>Type of organization</b>	<input type="checkbox"/> University <input checked="" type="checkbox"/> Research Organization <input type="checkbox"/> SME <input type="checkbox"/> Other: <input type="checkbox"/> Enterprise (non SME)
<b>Entity profile</b>	<p>CITIC is a Technological Centre located in the South of Spain, recognized by the Regional Minister of Economy, Innovation and Science in Andalusia and the Spanish Minister of Science and Innovation. CITIC is focused on the development of ICT for enterprises and citizens of its environment, and applies it to several fields like eHealth, Security and Trust, Computational Models, Wireless and Mobile Communications and interactive Digital Television. CITIC has its own Technology Transfer Office (TTO) that interacts with enterprises, Universities and entities interested in the results of the finished projects, and is continuously looking for new opportunities of valuable collaboration with entities around the world.</p>
<b>Expertise offered (related to the topic)</b>	<p>CITIC is aware of several ICT technologies that can be very useful to deal with the problems set out in this topic, although this doesn't belong to its core activities, CITIC has worked with some horizontal solutions that may benefit the overall performance of this premises. Artificial Intelligence techniques can be used here to improve the management of "green hubs", to make a greater focus on greener technologies or means of transport. Also wireless technologies can improve the time efficiency of this hubs, delivering all the information necessary to drivers of responsible of each transport arriving or departing from the hub.</p> <p>There have been contacts with Malaga City Council and they have much more knowledge on their needs, because the port of Malaga is within the metropolitan area of Malaga, so all its transport connections by rail or road cross the city. They are experts as they know from direct contact what problems they have found along the years and they shall identify them prior to participate in this topic, and if it is</p>



	possible, CITIC will contribute to solve the problems identified by Malaga City Council with some ICT solution.
--	---

**Previous FP experience**

**Yes**                       **No**

(If “yes”, please indicate project acronyms:                      )

**I agree to the publication of my data.**

ENTERPRISE EUROPE NETWORK (CESEAND)  
Centro de Innovación y Transferencia de Tecnología de Andalucía  
CITAndalucía

Avda. Isaac Newton nº4  
Pabellón de Italia – Isla de la Cartuja  
41092 Sevilla (Spain)  
Tel: +34 955 03 98 32  
eMail: [een.citandalucia@juntadeandalucia.es](mailto:een.citandalucia@juntadeandalucia.es)



*Business Support on Your Doorstep*



CENTRO DE SERVICIOS EUROPEOS  
PARA LAS EMPRESAS ANDALUZAS



JUNTA DE ANDALUCÍA

Centro de Innovación y Transferencia de Tecnología de Andalucía, CITAndalucía  
CONSEJERÍA DE ECONOMÍA, INNOVACIÓN Y CIENCIA