

SC4C Gaia

Smart Capacities for Cities

CATALOGUE OF PRODUCTS AND SERVICES





What is SC4C GAIA?

The aim of SC4C-Smart Capacities for Cities- GAIA, is to share a comprehensive range of solutions and services according to the principles of innovation, economic and environmental sustainability, that help to obtain greater efficiency, comfort and interactivity for players involved in Smart Cities or Smart Environments (citizens, government, companies, infrastructure, etc.).

Electronics, Information and Communication Technologies play a crucial role in the evolution of these environments towards sustainable, comfortable, interactive and interconnected spaces, enhancing the ability to create, collect, process and transform information in order to make their processes and services better and more efficient, enabling to enhance quality of life through the efficient use of customised resources and services.

All in all, this model promotes Smart Cities to make use of Electronics and ICTs to generate a more safer, smarter and efficient environment for people, reducing costs and saving energy, improving the services provided and the quality of life, and reducing the environmental footprint, all this with the help of innovation and a low carbon economy.



What are Smart Cities?

We define Smart City as a city which makes use of ICT's to manage infrastructures more efficiently, offer services provided rationally, provide a higher quality of service to citizens, wherein all its players (users, companies and Government) interact with each other to evolve and improve their activity. This interoperability requires the support of smart networks and platforms. It is also a city committed to its surroundings, both environmental and in terms of cultural and historical elements.

In this context, a Smart City is a complex system, an "ecosystem" in which multiple players are involved, wherein many closely linked processes coexist that enable new models of business services, relationship with the surroundings, and provides an excellent platform for innovation and creativity of people.



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Customer	Ayuntamientos CASTILLA y LEON
Country	Spain
Start date	2018
End date	Actualidad

e-Menhir MOBILITY



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Country	Spain
Start date	2014
End date	2016

e-Menhir MOBILITY

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Country	Spain
Start date	2014
End date	2016

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SGSmap

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Web page	http://www.sgsmap.com/
Email	sgsmap@sgsmap.com
Customer	LKS Consultores
Country	Spain
Start date	2004
End date	2004

Mobility Plan for the region of Bajo Deba

The company LKS Consultants has made a Mobility Plan for the region of Bajo Deba, to try to design and promote sustainable transport habits and meet the mobility needs of the inhabitants of Bajo Deba. SGSmap is collaborating in this project, contributing their experience and knowledge in the use of techniques and tools for geographic analysis.

Within this collaborative partnership SGSmap has modelled all the relevant graphic and alphanumeric information and created a structured database with different levels of information. They have also made a cartographic representation of the analyses carried out, projecting the most relevant aspects from the analysis over the Base Map: mobility of residents, zoning of the section, movement flows, capacity maps, etc.



Ingenieros Consultores

SGSmap

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Customer	Ayuntamiento de Donostia-San Sebastián
Country	Spain
Start date	2013
End date	2014

Accessibility map of Donostia-San Sebastián

Comprehensive solution for mobile management of basic information about the accessibility of buildings and roads.

Web and mobile application that allows citizens to keep informed at all times about the accessibility of buildings and roads, with the option for citizens to respond to the information received.

The project is not only aimed at citizens, but also for the Administration to monitor the notifications provided by citizens and act upon them.



Area	SMART MOBILITY
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Email	alarrea@sisteplant.com
Customer	Empresa Municipal de Transportes de Valencia
Country	Spain
Start date	04/2012
End date	07/2012

PRISMA Application for the Maintenance Management

Implementation of the PRISMA application for the maintenance management of public transport vehicles



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Customer	AVE (Líneas de Alta Velocidad)
Country	Spain
Start date	10/2012
End date	12/2012

PRISMA Application for the Maintenance Management

Implementation of the PRISMA application for the maintenance management of medium voltage installations on various high-speed railway lines and tunnels



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Customer	EME 30
Country	Spain
Start date	11/2011
End date	12/2011

PRISMA Application for the Maintenance Management

Implementation of the PRISMA application for the maintenance management of road and tunnel installations on the M30 in Madrid



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Customer	Universidad Europea de Madrid
Country	Spain
Start date	03/2013
End date	07/2013

PRISMA Mobile

Use of mobile devices to manage maintenance activities in the university buildings



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Customer	Aguas de Segarra-Garrigues
Country	Spain
Start date	11/2011
End date	12/2011

PRISMA Mobile

Use of mobile devices to manage maintenance activities in the water distribution network



ZIV Metering

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Customer	IBIL
Country	Spain
Start date	06/2012
End date	Actualidad

Kargatze Elektriko Puntuak

Sale of 150 charging points for the introduction of electric charging throughout Spain. These charging points provide a slow 16A charge in mode 3. They can be installed individually or in a master/slave network to optimise communication with the charging management system via OCPP protocol



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Customer	Iberdrola
Country	Spain
Start date	01/2011
End date	Actualidad

Sarecar

In a situation of infrequent public transport and fair distances between different towns a car pooling service was established in the town of Ataun for the benefit of its 1680 inhabitants. The 3.7 kW charging points were installed in a master/slave network to manage communication with a central system and an outdoor-ready infrastructure



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Customer	Iberdrola
Country	Spain
Start date	05/2012
End date	Actualidad

Electric Bizkaibus

With the aim of providing some towns in the province of Biscay an electric bus service, fast 43kW (AC) charging points were installed. These charging points provide relatively short charging times for Bizkaibus employees, the only people authorised to use them



Servicios de Tecnología
de la información

Odei

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Province	Álava
Web page	http://www.odei.es
Email	amaias@odei.es
Customer	Dirección de Transporte-Gobierno Vasco
Country	Spain
Start date	03/2005
End date	02/2013

Information Systems for Efficient Management of Transport by Road Freight and Passengers Transport Costs Simulating

Solutions developed and implemented in the field of mobility:

- Road Freight Transport Costs Simulator.
- Road Passenger Transport Costs Simulator.
- European Road Transport Restrictions Management System.
- Web Application for the European Agreement concerning Dangerous Goods (ADR).



indra

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Customer	Iberdrola
Country	Spain
Start date	01/09/2012
End date	01/12/2013

iCar CONTROL

System for the control and management of the network of charging points for Iberdrola's electric vehicles and Green Mobility users



indra

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Country	Spain
Start date	01/01/2010
End date	31/12/2012

Mugielec

Design and development of charging points for private electric vehicles



Ikusi

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Customer	Middle Airport Corporation Airport Da Nang
Country	Vietnam
Start date	31/05/2010
End date	31/12/2013

Specialized Electronic Systems

In total Ikusi have supplied and installed eight systems at Da Nang airport, one of the largest in the country. These are the public information system, shared use kiosks (common-use self-service), access control system, public address system, CCTV, timing system, IP network systems, as well as the provision of check-in counters. Ikusi have also undertaken the integration of these different systems and solutions, developed specifically for airports, so that airport operators and managers can achieve maximum efficiency from their new facilities



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Customer	OMA (Operadora Mexicana de Aeropuerto)
Country	Mexico
Start date	23/05/2005
End date	Proyecto principal 15/2/2006. Ampliaciones 2008, 2009, 2010, 2011 y 2012

Control and Monitoring Centre Airport of Monterrey

Implementation of an Integrated Management System for the complete management of airport systems, integrating the security, infrastructure, communications and operations modules. Actions:

- Integration of all systems within a Central Management platform based on a Structured Data Cabling Network and its use in a Monitoring and Control Centre which includes the operations of all terminals.
- Installation of systems to control, manage and quickly respond to incidents to improve security inside the premises and the physical safety of passengers, as well as the provision of telecommunications services for the efficient exchange of information.



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Customer	Eusko Tren
Country	Spain
Start date	01/06/2013
End date	15/03/2014

Q-TRANS: Research project for the development of an exploiting, predicting and planning tool for a quality integral management of public transport

The Q-TRANS project's main aim is to research, design and install a new system of comprehensive quality management in public transport based on storage, analysis, visualisation and massive data mining techniques, capable of measuring quality, predicting events and making decisions based on the data collected



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Email	ikusi@ikusi.com
Customer	ADIF. Ayuntamiento de Logroño. Estación AVE
Country	Spain
Start date	18/05/2011
End date	31/12/2013

Traveller Information Systems Integration Platform; security, data communication and multimedia systems.

Systems installed:

- Automatic systems that inform users when trains will arrive and depart. Visual and audio passenger information.
- Systems for use, such as the voice/data communication network; queuing management system, which improves the flow of passengers when buying train tickets; and Radio communication system.
- Deterrent systems that affect passenger safety: video surveillance/CCTV and intrusion detection systems.
- Systems to provide passengers a high level of comfort: Radio and Television systems.



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Customer	Diputación Foral de Bizkaia. Bizkaibus
Country	Spain
Start date	30/03/2011
End date	31/10/2013

On-board Information System in Bilbao-Airport Buses

On Bizkaibus buses covering the Bilbao - Airport - Bilbao line a passenger information system has been developed and installed which, through remote connection to the airport's flight database, provides real time information on flight status and the check-in counter and gate for each flight. The system is also used to offer passengers who are headed to the city on arrival at the airport promotional, cultural and tourist videos of the city with essential information for getting around it



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Customer	Consorti de Transports de Mallorca CTM
Country	Spain
Start date	21/03/2011
End date	31/10/2013

Electronic Ticketing System in Mallorca City Buses

Installation of SAE mobile equipment (positioning subsystem, on board computer, user console and communications subsystem) on intercity buses, to integrate all the multimodal services within Mallorca Transport Consortium's Integrated Fare System.

- Buses equipped with touch-screen machines and card readers with RFID technology.
- Development of SAE software on board and automated ticketing.
- Machines integrated with the Consortium's fare and monitoring system.
- Sales are transacted automatically and a receipt is printed.
- Constant real time information about the exact location of buses and the number of passengers on board.



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Customer	Sociedad Económica Mixta Tranvía de Zaragoza
Country	Spain
Start date	17/05/2010
End date	Proyecto principal 15/04/2011. Ampliaciones y mantenimiento 2012, 2013 en ejecución

Comprehensive Electronic Ticketing Management System

With the challenge of equipping the Zaragoza tram with a comprehensive ticketing solution integrated with other transport operators in the city, automatic ticket and top-up machines have been installed at tram stations and stops, as well as ticket validation machines on board and auditing equipment. All these are managed and monitored from the control centre, through Ikusi's back office applications suite, which provides all the data required to manage their use and fare collection, as well as passing information between the various transport operators, delivering service interoperation to citizens



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Country	Spain
Start date	09/10/2009
End date	Proyecto principal 23/11/2012. Ampliación 2013

SITran: Travelers Information System

SITran manages and distributes the information to appear on the various public information terminals (monitors) at the stops for one transport operator, enabling the centralised management of this information from the central control station. The information can be of two types:

- That regarding transport, such as fares, schedules, line map, time to get to the next tram stop, etc..
- Advertising and entertainment.

SITran has the capacity to provide audio information for partially sighted people



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Customer	Ayuntamiento de Eibar
Country	Spain
Start date	09/2009
End date	Actualidad

DinyPARK Ciudad

Parking solutions in cities (centralised database of car parks and limited parking zones; visualisation of free spaces on information boards, Internet and smartphones; selection of the nearest car parks with free spaces via smartphones)



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Customer	Ayuntamiento de Tolosa
Country	Spain
Start date	08/2009
End date	Actualidad

DinyPARK Ciudad

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Customer	Ayuntamiento de Lekeitio
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Start date	10/2010
End date	Actualidad

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Customer	Sociedad para el Desarrollo de Cantabria-Ayuntamiento de Santander
Country	Spain
Start date	12/2010
End date	Actualidad

DinyPARK Ciudad

Parking solutions in cities (centralised database of car parks and limited parking zones; visualisation of free spaces on information boards, Internet and smartphones; selection of the nearest car parks with free spaces via smartphones)