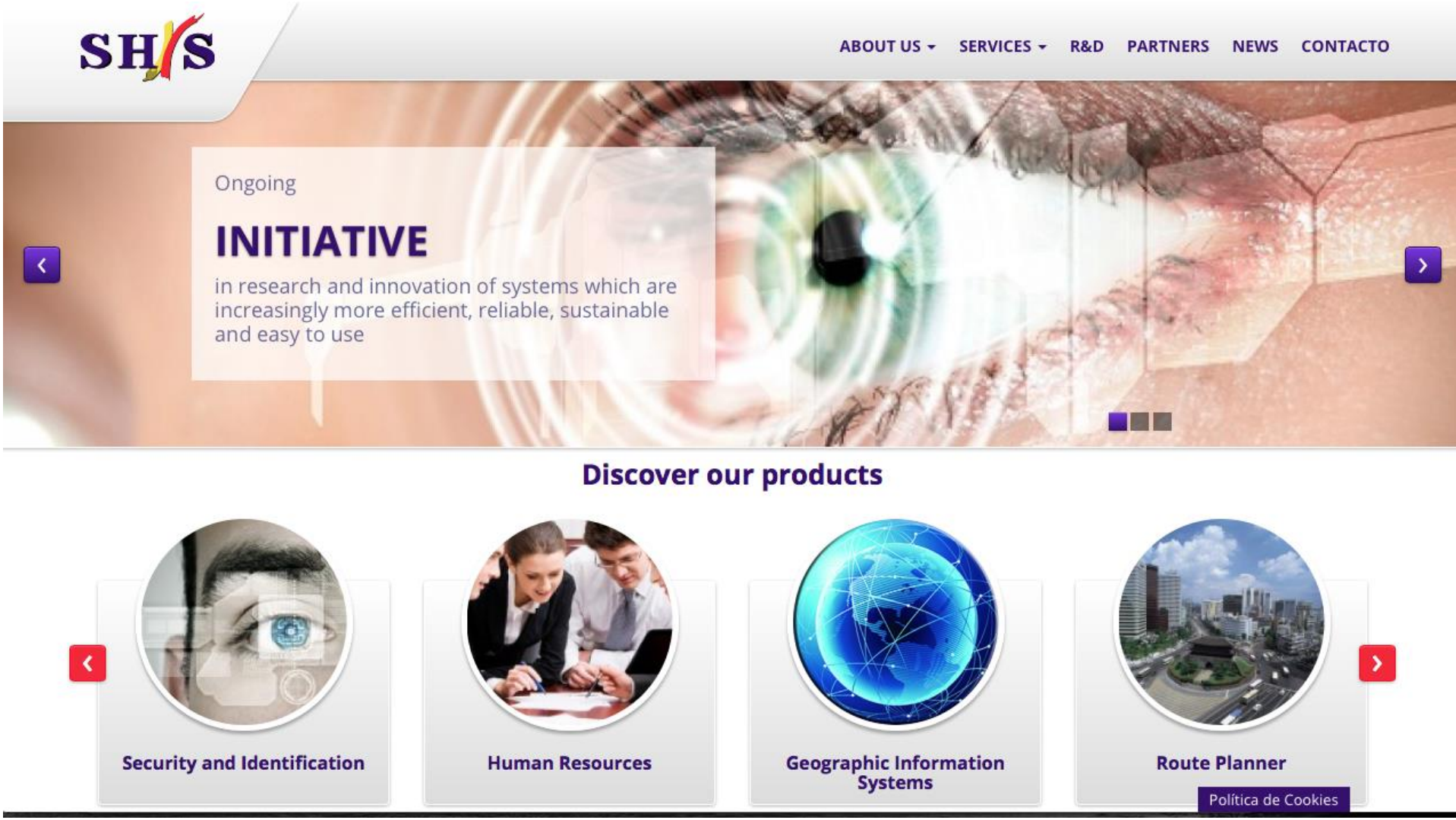
SHS Consultores - Presentation



General information about SHS

- 100% spanish capital IT company.
- 8 countries: Spain, USA, Colombia, Brasil, Chili, Peru, Venezuela, Mexico
- Providing added value to our clients since 1991.
- Convinced on R&D&I. Partners: Microelectronics National Centre, University of Granada, University Carlos III, University of Sevilla and University of Malaga.
- Hard collaboration with leading companies such as: Telvent, Ayesa, Accenture, Indra, Grupo Connectis, etc...
- L1 partner: Fujitsu, Panasonic, Oracle, Meta 4, ESRI, Bull, HP, Microsoft, etc…
- Own system design.
- Client focus.

What do we do?

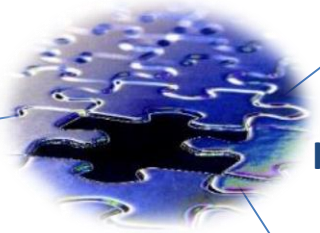
SHS, THE COMPANY· Services and solutions·

Consulting, organization and systems

Security systems

Human resource experts.

Transport solutions



Infraestructure solutions

External solutions (BPO)

KPI's and B.I. establishment

Utilities sector applications

Management solutions

What are you going to see?

Index

Among the SHS portfolio, today we are going to speak about:

- For transport:
  - Auriga: Management and optimization of intelligent system for public transport fleets.
  - Regular bus lines passengers flow management.

- For Smart Cities:
  - SIP: Complete solution of intelligent management of buildings for energy saving, security and working health.

Previous concepts

Auriga — Management and planning system for passengers transport companies

- Planning is a crucial stage on the development and organization for a transport business.
- Planning allows managers to prevent problems, design mitigation strategies and optimize resources in order to attend the mobility demand.
- It is a powerful tool to estimate resources when preparing budgets.

What's Auriga?

Auriga Management and planning system for passengers transport companies

- **Auriga is a solution for passengers transport companies,** which allows to optimize resources management as well as reduce costs and pollution emission.

- **Auriga saves time,** while designing vehicles routes and drivers working shifts.

- **Auriga saves money, energy and resources** by reducing the number of vehicles and drivers for covering the passengers demand. As a result, it also reduces pollution emission.

Use cases

Auriga — Management and planning system for passengers transport companies

- Quick re-planning for an adaptive response to unexpected events, such as: close streets, accidents, sport events, etc...

- When expanding the company services, Auriga helps to estimate all possible scenes in only a few minutes by combining different variables.

Functional advantages

Auriga Management and planning system for passengers transport companies

- It allows companies to adjust accurately the bus fleet of a company or service of transport of passengers by roads.

- It optimizes drivers' shifts so that it considers the contractual differences of each group for its use in planning.

Functional advantages

Auriga Management and planning system for passengers transport companies

- Schedules and replanning are performed by exhaustive algorithms which eliminate human error in these complex calculations

- Regarding the speed to perform replanning in lines and routes, which magnitudes are you thinking of? Days, weeks? In this case, we are considering hours and minutes.

Passenger flow control

Auriga Management and planning system for passengers transport companies

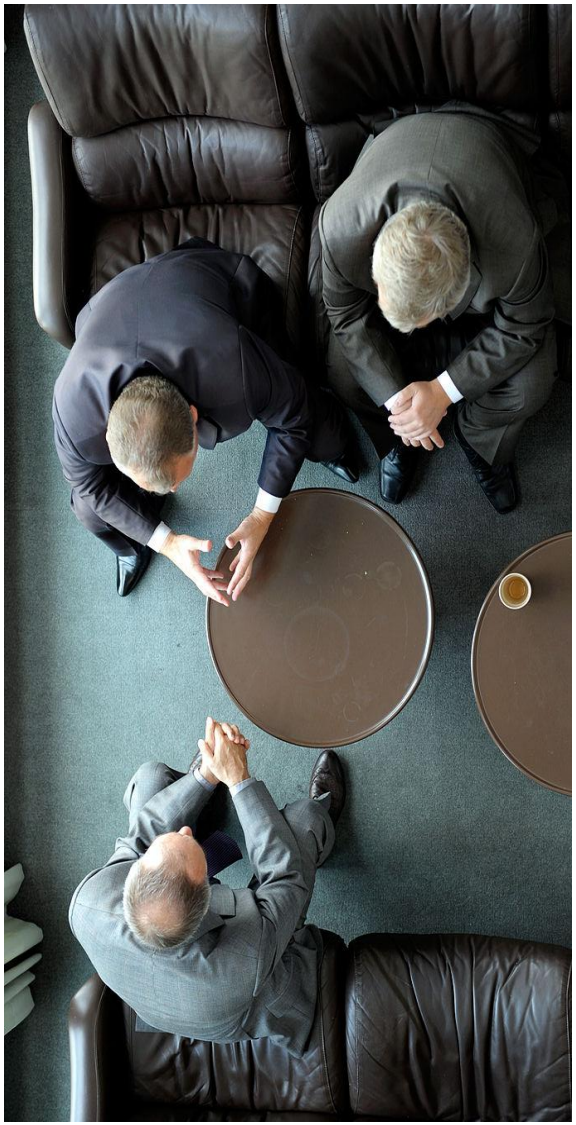
- Traditionally, in transport systems like the underground, it is possible to know the amount of passengers entering and leaving the network.

- In regular road transport systems, we know the people who get on at each stop. But, what about the ones who get off?

Passenger flow control

Auriga — Management and planning system for passengers transport companies

- Our system allows the detection and analysis of passenger drops at each stop, allowing us to make decisions regarding the composition of each line, division and / or union of lines, depending on the moment of the day or hour. With this data, it is possible to estimate workloads, traffic and needs to cover demands.
- By using our system, it is also possible to detect fraudulent passenger rides for bus departures, even when passengers are leaving the bus simultaneously.
- It is possible to verify the identity of the driver by means of biometrics to provide an extra security in the transport and to avoid situations of risk.



Global image

Intelligent management system for energy saving, presence, and access in buildings

- Our system is the complete solution for an intelligent building management.
- Lighting, cooling, computational resources, IP cameras, security and presence sensors management.
- Our system is able to know the exact number of people who is inside the building, inside a room or an office. It allows to set the proper fan power of the cooling system.
- Our system can inform about high stay times for restricted areas. For example: radiology rooms.
- Our system knows the number of people inside a room and the input/output flows.
- Our system allows to know if there is anybody in any room without permision or id token.

Use cases

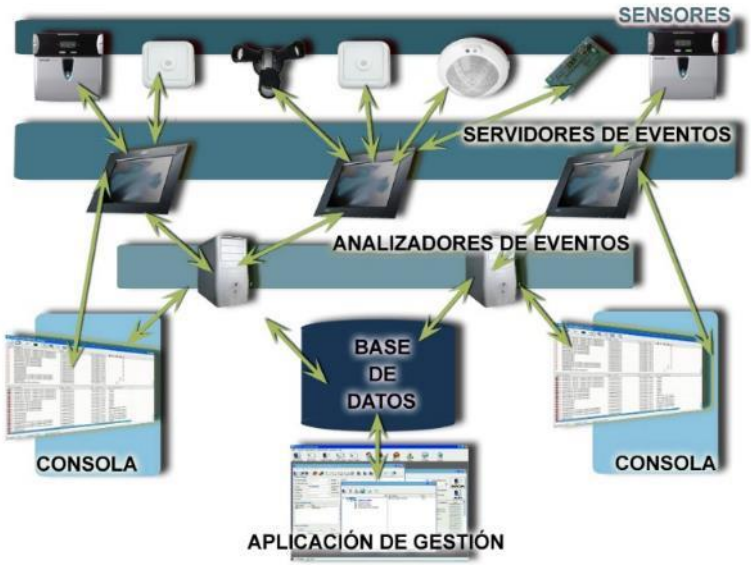
Intelligent management system for energy saving, presence, and access in buildings

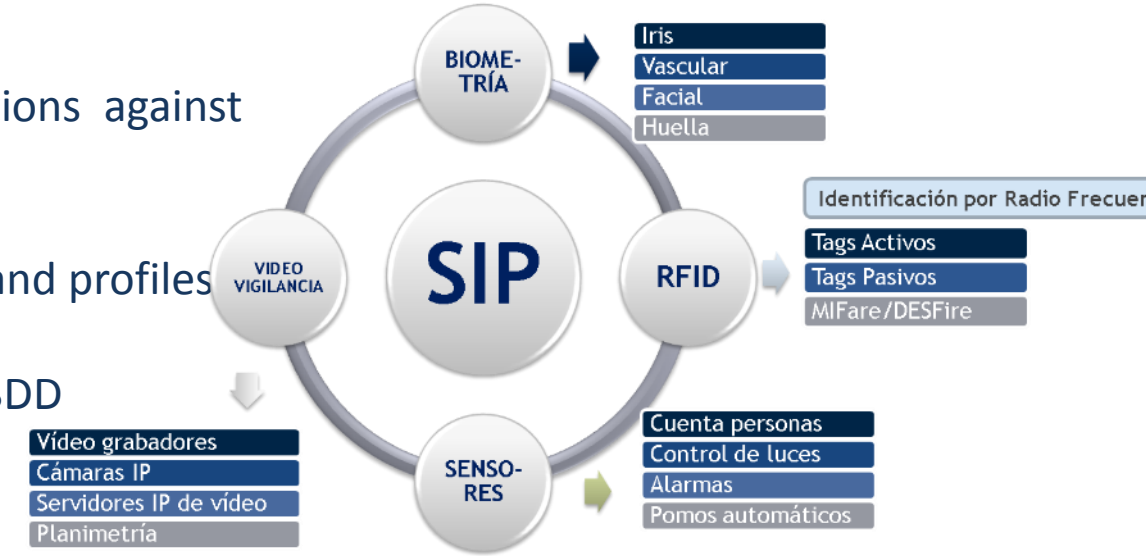
- Quick and secure centralized staff shifts management.
- Saving in electricity consumption of both lights and air conditioning.
- Management of visits based on different biometric or contactless identification systems.
- Control at exhibition centers and multipurpose rooms
- In case of legal requirements, it allows us to know the route of a person or object within the building.
- Detect unauthorized output of valuable business material
- Statistics of use of facilities by staff or visits.

SIP: People Identification System

Intelligent management system for energy saving, presence, and access in buildings

- The SIP System (Carrier Identification System) is currently the most suitable and powerful one, capable of integrating, among others, IP cameras, active RFID sensors, access control devices and iris recognition devices.
- It is a highly scalable platform, effective and simple in its use. It has the possibility of centralization in a Real Time Monitoring Station.
- Setting of alerts, alarms and actions against certain events.
- Management of access privileges and profiles
- Integration with the customer's BBDD





Airim – In-motion iris recognition system

Intelligent management system for energy saving, presence, and access in buildings

Reliable biometric sensors which are integrated with SIP and create events for the centralized management system.

AIRIM

In-motion Iris recognition system, without stopping the walk. It takes 2 seconds/person to identify from long distances.

Integra ID+

Biometric autentication system. It includes palm vein recognition, iris recognition, facial recognition, chip card reader and RFID.

Key indicators

Investor Info

Investor Info		SIP	AIRIM	AURIGA
Product development	Current investment			
	Needed investment			
	Required investment			
Commercial	Needed investment			

Key indicators

Traction info

Traction Info	SIP	AIRIM	AURIGA
Incomes from scratch			
Monthly incomes			
B2B clients			
B2C clients			

Our biggest clients

Public entities

JUNTA DE ANDALUCIA

JUNTA DE ANDALUCIA Servicio Andaluz de Salud CONSEJERÍA DE SALUD

NOSDO AYUNTAMIENTO DE SEVILLA

CABILDO DE TENERIFE

Universities

Universidad de Huelva

UCA Universidad de Cádiz

un i Universidad Internacional de Andalucía A

Universidad Pablo de Olavide

Universidad de Jaén

Universidad de Almería

Universidad de Granada

Uma Universidad de Málaga

Universidad de Sevilla

Public companies

egmasa
Empresa de Gestión Medioambiental
CONSEJERÍA DE MEDIO AMBIENTE

Empresa Pública Desarrollo Agrario y Pesquero
CONSEJERÍA DE AGRICULTURA Y PESCA

Agencia Pública Empresarial Sanitaria Bajo Guadalquivir
CONSEJERÍA DE SALUD

Andalucía Emprende, Fundación Pública Andaluza
CONSEJERÍA DE EMPLEO
CONSEJERÍA DE ECONOMÍA, INNOVACIÓN Y CIENCIA

Instalaciones y Turismo Joven
CONSEJERÍA PARA LA IGUALDAD Y BIENESTAR SOCIAL

Our biggest clients

Constructors

Dragados Offshore

ACS SERVICIOS, COMUNICACIONES Y ENERGÍA

MASA

Utilities

endesa

Enel

Telefónica

EMASESA

e·on

IT

grupo ayesa

accenture

FUJITSU

CORITEL

We are on the way of innovation, giving solutions for added value services…
Are you ready to come with us?

Thank you very much for your attention

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http://www.shsconsultores.es/soluciones/soluciones-para-transporte/auriga/