

# Company Profile

2016



# ACS Actividades de Construcción y Servicios, S.A.



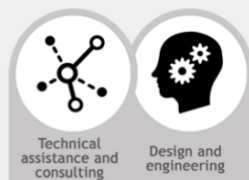
*“OFITECO was founded in 1971, being part of the ACS Group since 2008”*



# SICE Tecnología y Sistemas, S.A.



## Technical support



Provision of services in the phases of preliminary analysis, functional requirements, technical specifications and detail engineering.

## Integration



Supply, installation and integration of associated subsystems. Development and manufacturing of associated on-site elements.

## Operation



Technical support and participation in the operation, conservation and maintenance of systems.

## PRESENCE

**49**  
COUNTRIES  
5 CONTINENTS

## PRODUCTION



## CLIENTS

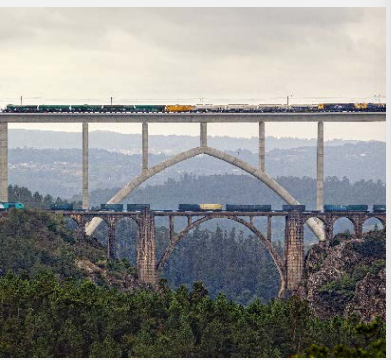
**3.000**  
public  
**800**  
private

## TEAM

**+2.500**  
PEOPLE



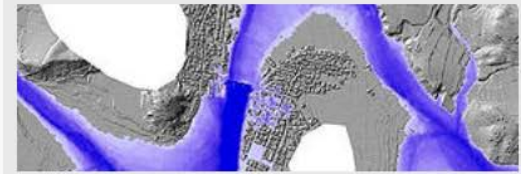
# Business Areas



Dams and Reservoirs



Hydro-meteorological Networks



Flood Risk Management



Water Supply and Treatment



Hydropower



River Restoration



Irrigation



Roads and Highways

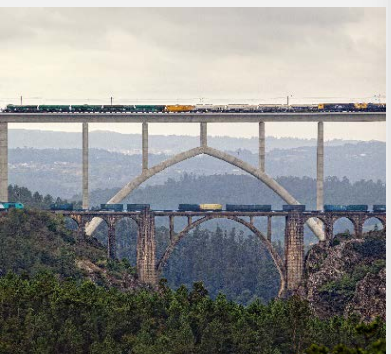


Railways and Metro





# Services



Studies and Designs



Works Supervision



Quality Control



Inspections



Load Tests



Monitoring



Automation



Remote Data Management








Training

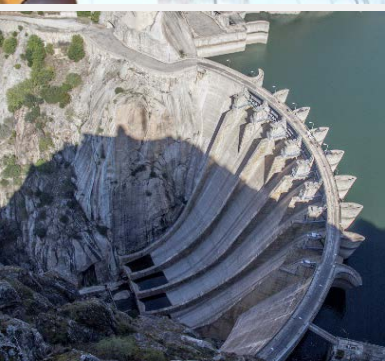




# International presence

<p><b>SPAIN</b></p>	<p> C/ Sepúlveda, 6 Pol. Ind. Alcobendas 28108 - Alcobendas (MADRID) Tel: (+34) 91 535 22 10 Fax: (+34) 91 535 37 42  <a href="mailto:ofiteco@ofiteco.com">ofiteco@ofiteco.com</a></p>	<p><b>EUROPE</b></p>	<p><b>PORTUGAL</b> Avda. Marechal Gomes da Costa, 27 R/C Dto 1800-255 Lisboa - Portugal Tfno. + 351 218380581 Fax. + 351 218380582</p>	<p><b>UNITED KINGDOM</b> Davenport House 16 Pepper Street London E14 9RP Tel. +44 207 5109590 Fax +44 207 5109591</p>	<p><b>RUSSIA</b> Appart. 190 12, Alabayana street Moscow 125080- Russia</p>
<p><b>MIDDLE EAST</b></p>	<p><b>UNITED ARAB EMIRATES</b> Khalidiyah, 7th Street Kamala Tower, 10th Floor, Office 1002 A &amp; B, Abu Dhabi United Arab Emirates Tel. +971 2 666 1393</p>	<p> <b>QATAR</b> 11 th Floor Salam Tower, West Bay P.O. Box 15224 - Doha-Qatar Tel. + 974 44796537 Fax. + 974 44184773 <a href="mailto:gatar@ofiteco.com">gatar@ofiteco.com</a></p>	<p><b>SAUDI ARABIA</b> Khurais Road Exit 28, intersection street Abdullah Ibn Masud n° 10, Second Floor An Nasin Al Gharbi. (Área). Riyadh Tel. 966 54 6827983</p>		
<p><b>AFRICA</b></p>	<p> <b>ALGERIA</b> 14 Rue Sahel Hydra Alger Tel. + 21 59 16 58 Fax. + 21 59 16 58 <a href="mailto:algeria@ofiteco.com">algeria@ofiteco.com</a></p>	<p><b>EGYPT</b> Appt#18, 21 Ahmed Heshmat St, Zamalek, Cairo, Egypt Tel. +2 0100 2318 333</p>	<p><b>MOROCCO</b> Rue Mohamed Ben Abdellah Residence Belle Vue 47, 3eme Étage Casablanca - Maroc Tel. + 212 0522 948 114 Fax. + 212 0522 948 126</p>	<p><b>SOUTH AFRICA</b> 87 Fascia Street Silverstonedale 0184 Pretoria - South África  Tel. +27 (12) 8040430</p>	
<p><b>NORTH AMERICA</b></p>	<p><b>USA (MIAMI)</b> 14350 NW 56TH Court. Unit 105 Miami FL 33054. USA Tel. + 1 305 222 7040 Fax + 1 305 443 5453</p>	<p><b>USA (SEATTLE)</b> 569 Occidental Avenue South Seattle, WA 98104. USA</p>	<p><b>USA (JACKSONVILLE)</b> 1027 Blanding Blvd, Unit 605 Orange Park, FL 32065, USA Tel. + 1 786 239 0826</p>	<p><b>CANADA</b> 55 Eglinton avenue East, suite 803 Toronto, Ontario M4P 1G8. CANADA Tel. + 1 647 483 4026 Fax + 1 416 352 1765</p>	
<p><b>CENTRAL AMERICA</b></p>	<p><b>MEXICO</b> Paseo de la Reforma, 404 Piso 15. Despacho 1502 Colonia Juárez Delegación Cuauhtémoc 06600 México, DF Tel. + 52 5536400700</p>	<p> <b>GUATEMALA</b> 23 calle 14-58 Condado Naranjo, zona 4 Mixco Edificio CRECE, Oficina #503, Guatemala C. A. Tel. + 502 2376 9696 Fax + 502 2376 9695 <a href="mailto:guatemala@ofiteco.com">guatemala@ofiteco.com</a></p>	<p><b>SOUTH AMERICA</b></p>	<p><b>CHILE</b> Dardignac N°160 Recoleta, Santiago (Chile) Código Postal 8420509 Tel. + 562 27702600</p>	<p><b>PERU</b> Av. Juan de Arona Nro. 151 Oficina 203, Segundo Nivel Torre C San Isidro - Lima - Perú Tel. + 511 5002250 Fax + 511 5002279 <a href="mailto:peru@ofiteco.com">peru@ofiteco.com</a></p> <p> <b>COLOMBIA</b> Carrera 12 N. 96-81 Oficina Oficina 203 Edificio Parque 96 Bogotá - Colombia Tel. + 571 7039217 Fax + 571 703 92 17 <a href="mailto:colombia@ofiteco.com">colombia@ofiteco.com</a></p>
<p><b>ASIA - PACIFIC</b></p>	<p><b>AUSTRALIA</b> Melbourne, 200 Carlisle Street, St Kilda, Vic- 3182 . Australia Tel: + 61 3 8256 6900 Fax: + 61 3 9820 9554</p>	<p><b>NEW ZEALAND</b> The Well Connected Alliance for the Waterview Connection 150-152 Stoddard Road, Mt Roskill Auckland 1041, New Zealand</p>			

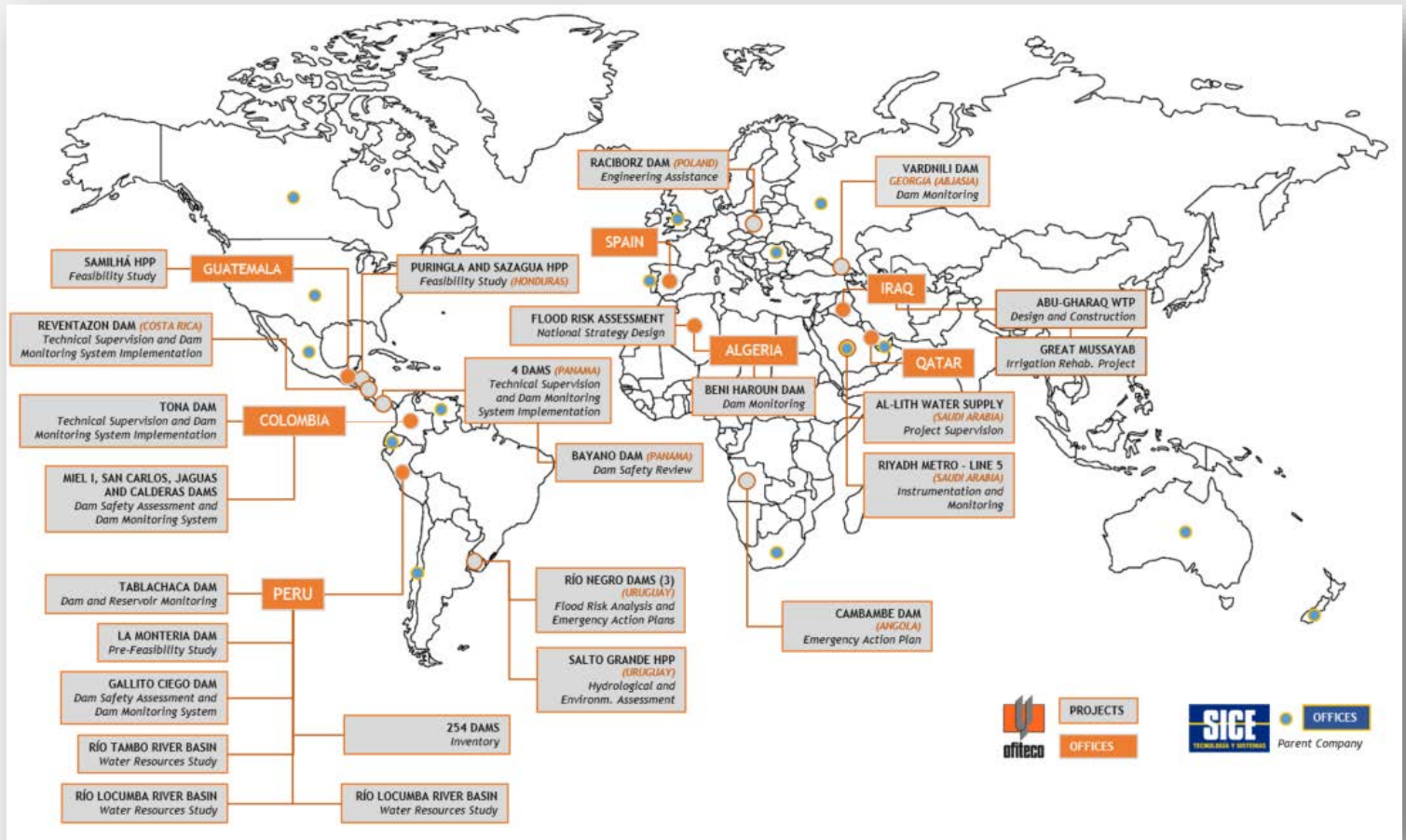




# International presence

OFITECO is present in South and Central America, Europe, Africa and the Middle East.

SICE TS is present in all five continents with offices in 28 countries

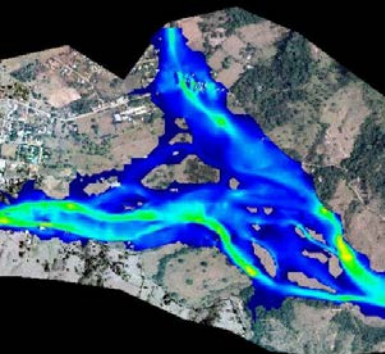


# Dams and reservoirs

A wide-angle photograph of a large concrete dam. The dam is a long, low wall with a series of vertical buttresses. Water is flowing over the top of the dam, creating a white, frothy cascade. The dam is situated in a valley with steep, forested mountains in the background. The sky is overcast. In the foreground, there are some green structures and a dirt path on the left side of the dam.

- Dam Safety Management
- Dam Surveillance (Monitoring)
- Operation and Maintenance
- Risk Assessment & Analysis
- Feasibility Study
- Detailed Design
- Project Management
- Quality Control (Laboratory)
- Seismic Management

## Dams and Reservoirs – Dam Safety Review



**CONTRACT:** Safety reports, visual inspections, dam monitoring, hydro-mechanical equipment and electrical systems control, and management of operating procedures for 54 state-owned dams, including training.

**CLIENT:** Ebro River Basin Authority

**LOCATION:** Ebro River Basin (Spain)

**PERIOD:** 2007 - 2016



## Dams and Reservoirs – Dam Safety Review

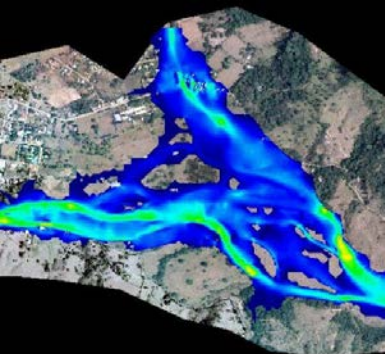


**CONTRACT: Meffrouch Dam**  
**Dam safety review + upgrade design,**  
**including training**

**CLIENT: National Agency for Dams and**  
**Transfers – Ministry of Water Resources**

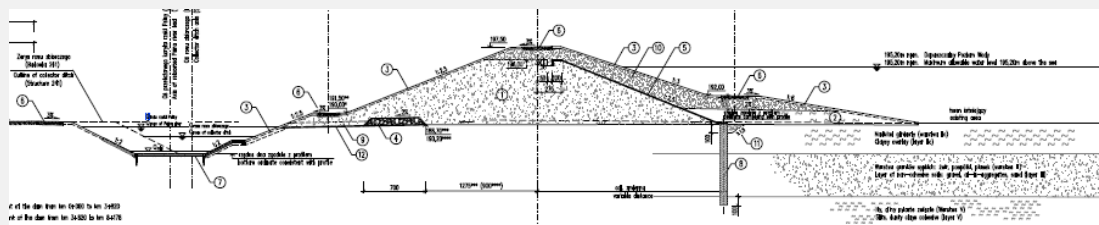
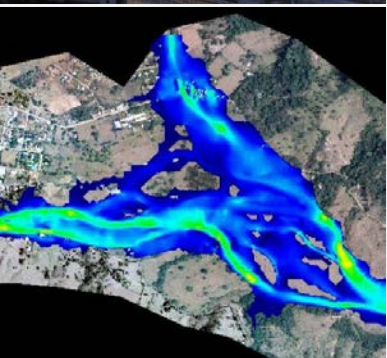
**LOCATION: Tlemcen (Algeria)**

**PERIOD: 2015-2016**



## Dams and Reservoirs – Monitoring and Surveillance

CONTRACT: Review of Technical Design, Long-term Monitoring System Design for the Raciborz Polder, On-site Technical Assistance, and Monitoring Data Analysis during Construction



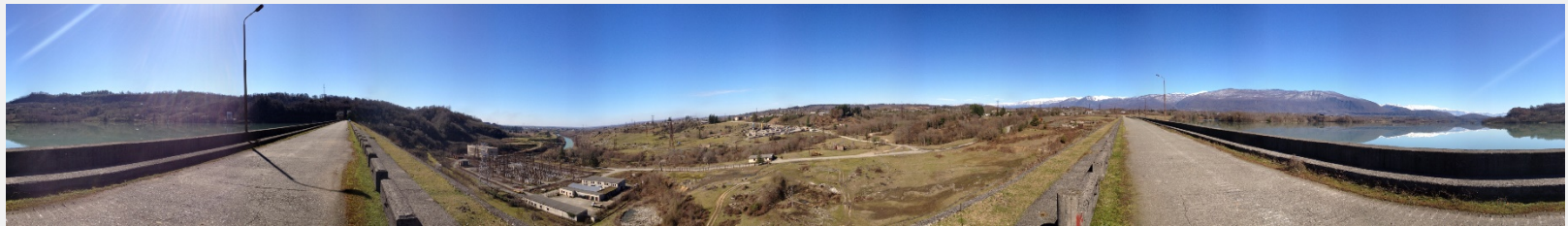
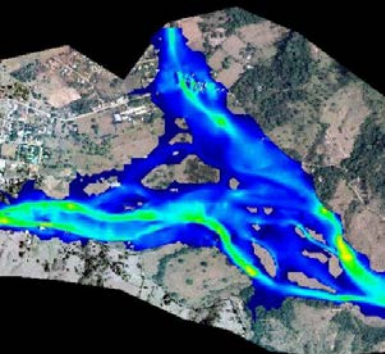
## Dams and Reservoirs – Monitoring and Surveillance

CONTRACT: Vardnili dam monitoring system

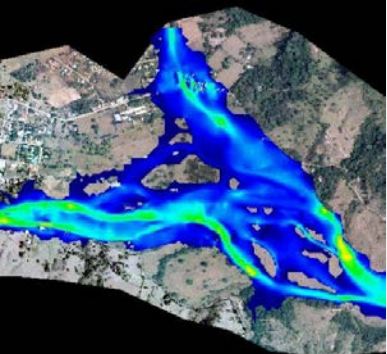
LOCATION: Abjasia, Georgia

CLIENT: Engurhesi

PERIOD: 2012 - 2014



## Dams and Reservoirs – Monitoring and On-site Support



**CONTRACT:** Supply and Supervision of works related to the monitoring system and control of geotechnical and structural behavior of the Reventazón Dam during construction, including technical training.

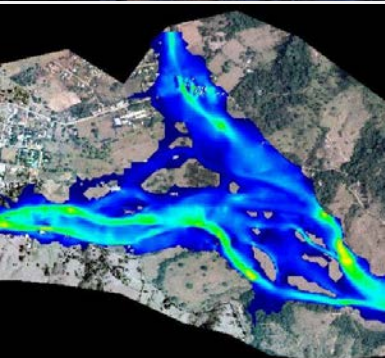
**CLIENT:** ICE - Costa Rican Electricity Institute

**LOCATION:** Costa Rica

**PERIOD:** 2012 - 2015



## Dams and Reservoirs – Monitoring and Surveillance



**CONTRACT:** Updating and upgrading of Tablachaca's dam instrumentation and monitoring equipment

**CLIENT:** Electro Perú

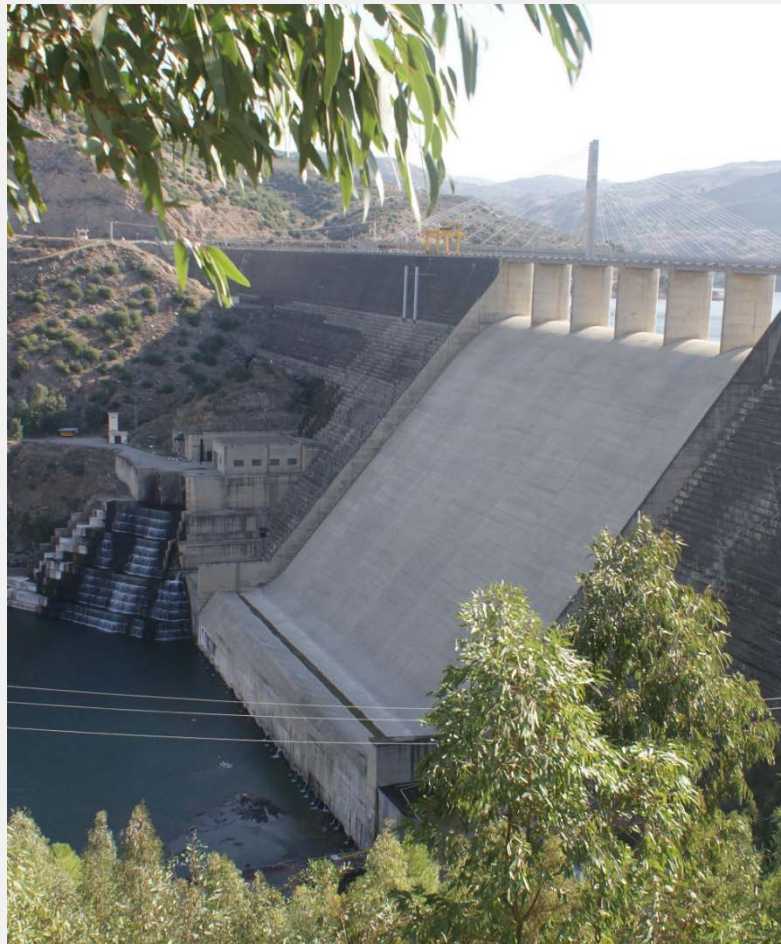
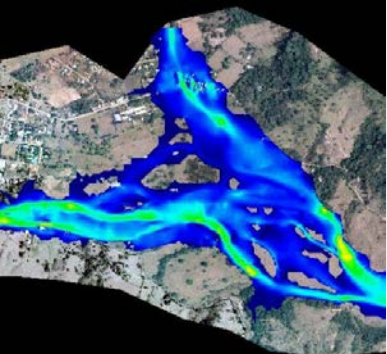
**LOCATION:** Huancavelica, Peru

**PERIOD:** 2013-2014





## Dams and Reservoirs – Monitoring and Surveillance

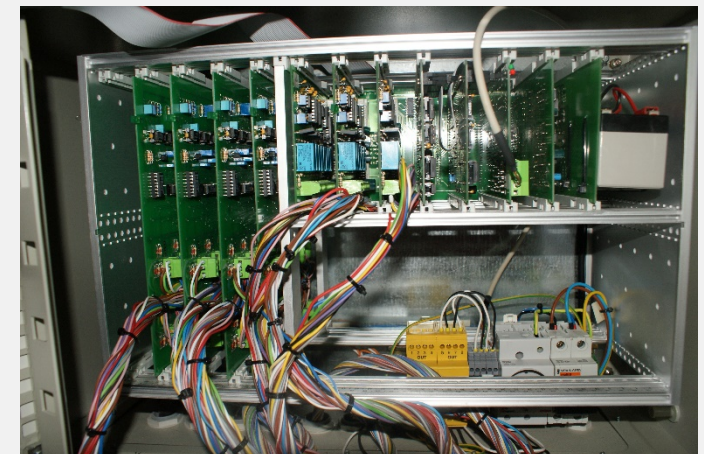


**CONTRACT:** Upgrade, rehabilitation, and maintenance works on the monitoring system at Beni Haroun dam, including technical training

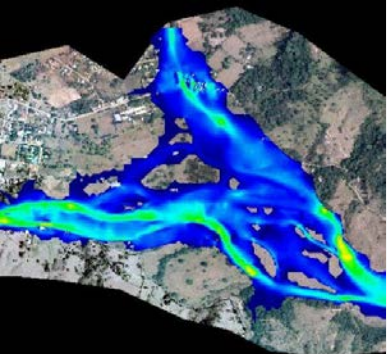
**CLIENT:** National Agency for Dams and Transfers – Ministry of Water Resources

**LOCATION:** Wilaya de Mila (Algeria)

**PERIOD:** 2011-2012



## Dams and Reservoirs – Risk Assessment and RIDM



**CONTRACT:** Development of a Supplementary Portfolio Risk-Informed Dam Safety Program for the the Duero River Basin Authority, Including the Definition, Evaluation and Prioritization of Safety-Related Measures.

**CLIENT:** Duero River Basin Authority

**LOCATION:** Duero River Basin (Spain)

**PERIOD:** 2009-2011



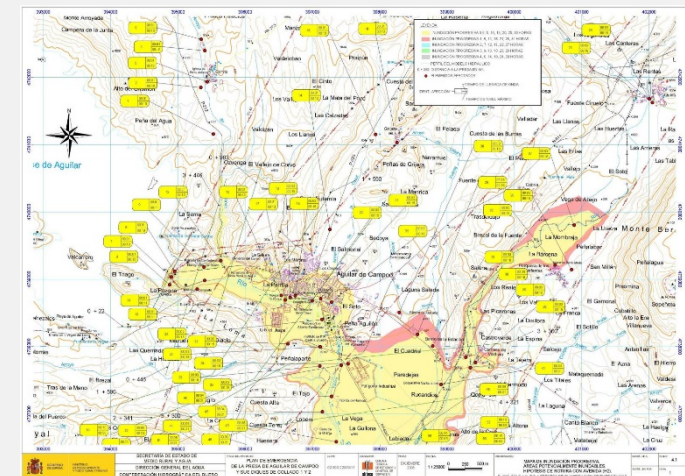
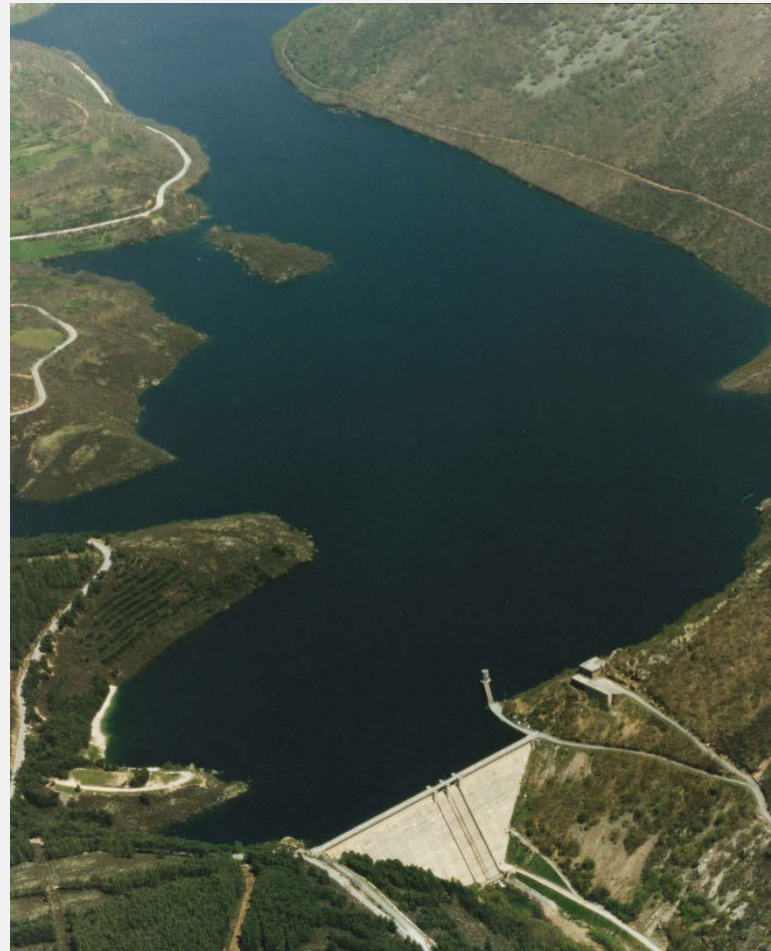
## Dams and Reservoirs – Emergency Action Plans

**CONTRACT:** Design of Emergency Action Plans (EAP) for the following dams: Camporredondo, Compuerto, Requejada, Cervera and Aguilar de Campoo.

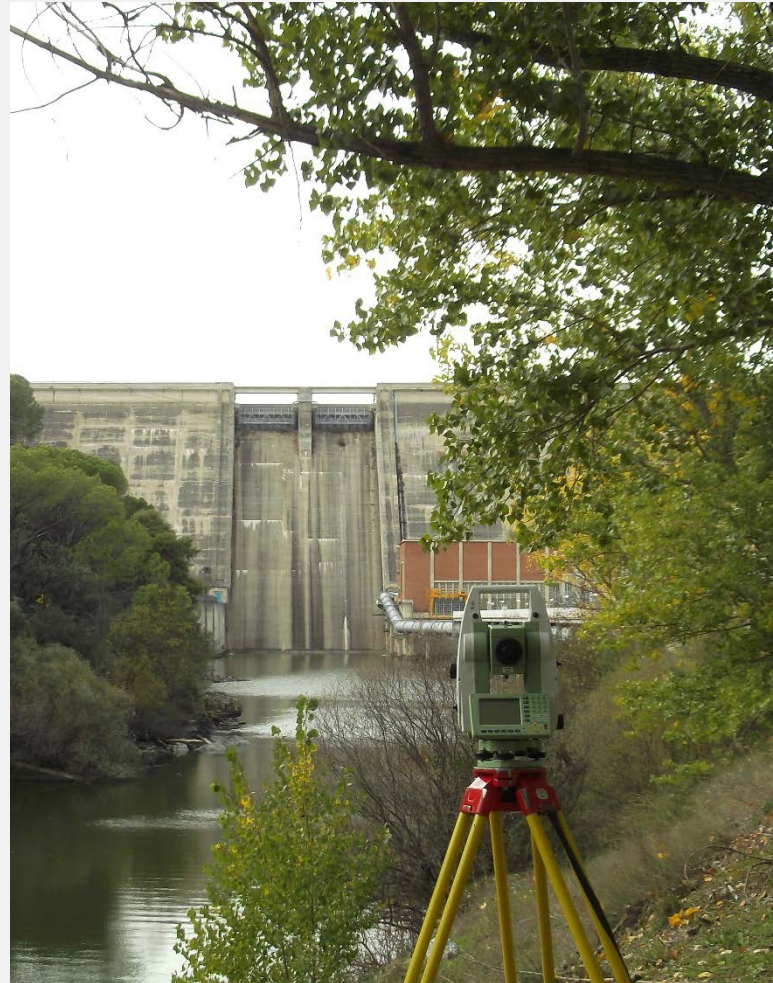
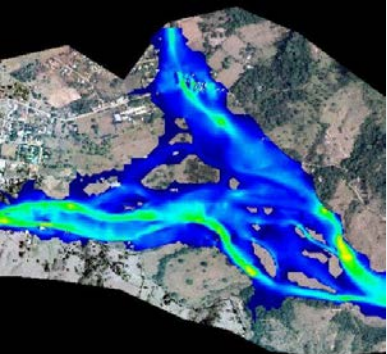
**CLIENT:** Duero River Basin Authority

**LOCATION:** Duero River Basin (Spain)

**PERIOD:** 2006 - 2008



## Dams and Reservoirs – Operation & Maintenance



**CONTRACT:** Operation and maintenance at Rosarito, Navalcán, Finisterre, El Castro, Burguillo, San Juan, Charco del Cura, Picadas, Cazalegas and Alcolea Dams.

**CLIENT:** Tagus River Basin Authority

**LOCATION:** Tagus River Basin (Spain)

**PERIOD:** 2013 – 2015 (+ 2015 – 2017)



## Dams and Reservoirs – Monitoring Data Management

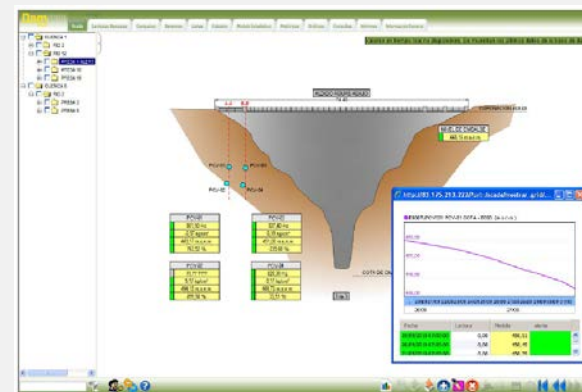


**Damdata**  
 REMOTE DATA MANAGEMENT FOR DAM MONITORING  
 Real-Time  
 Web Service

The image shows a computer monitor and a smartphone, both displaying the Damdata logo, set against a background of a dam and water.

SOLUTION: Remote Monitoring Data Management

DEVELOPPER: OFITECO



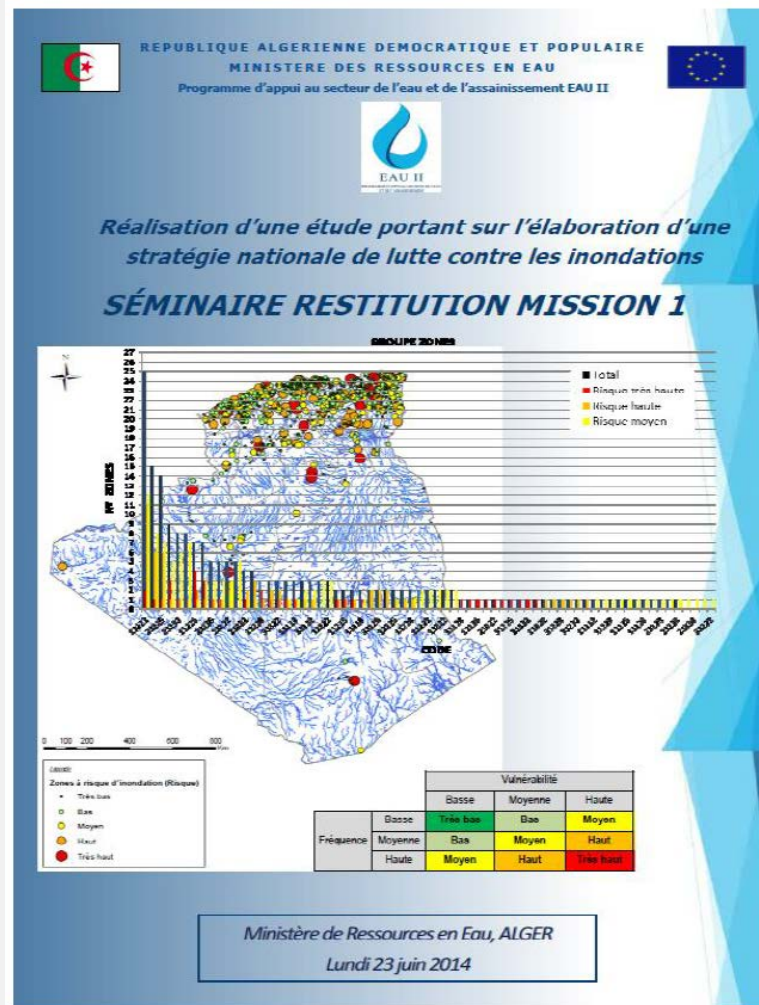
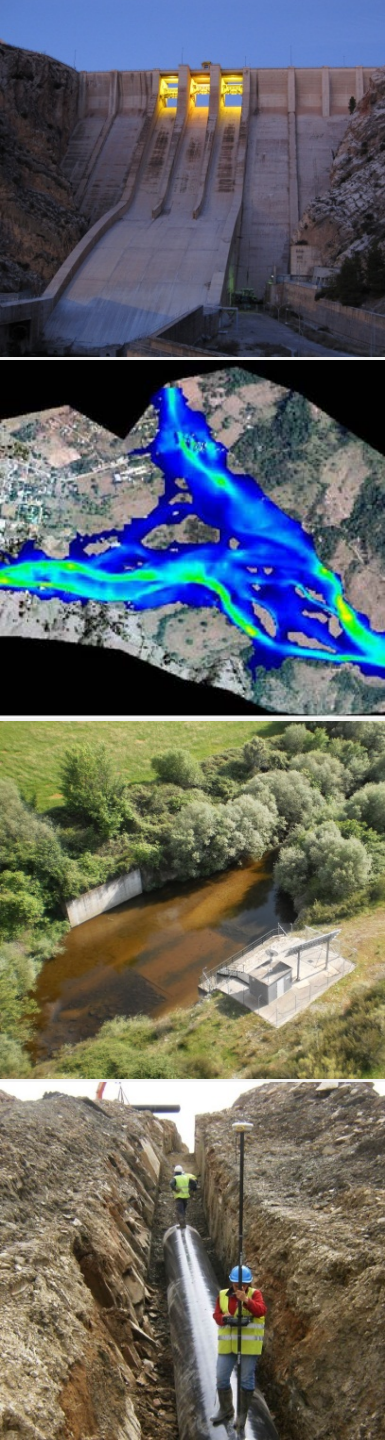
# Flood Risk Management

PROHIBIDO BAÑARSE

- Preliminary Flood Risk Assessments
- Flood Hazard and Risk mapping
- Emergency action plans
- Decision Support Systems
- Flood Early Warning Systems
- Flood Structural and Non-structural Measures Design



## Flood Risk Management – National Strategy in Algeria

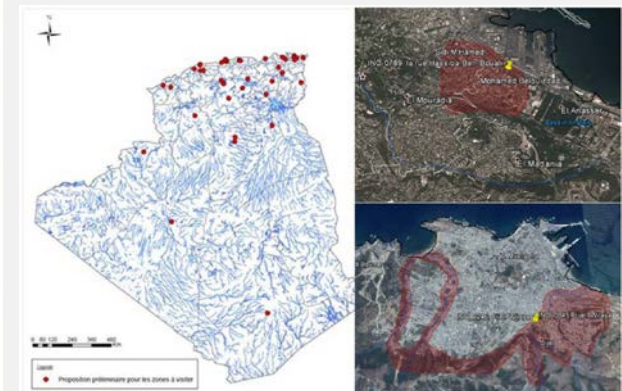


CONTRACT: Development of the Algerian national strategy for combating floods, including training

CLIENT: Ministry of Water Resources

LOCATION: Algeria

PERIOD: 2013 - 2015



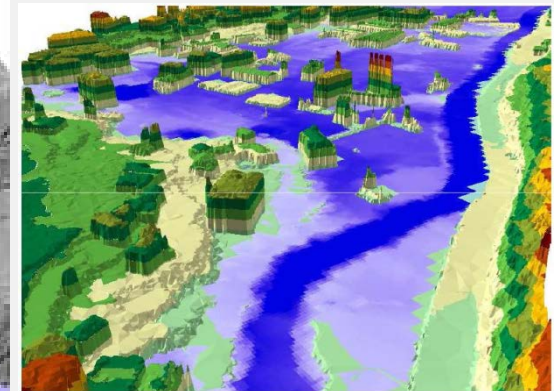
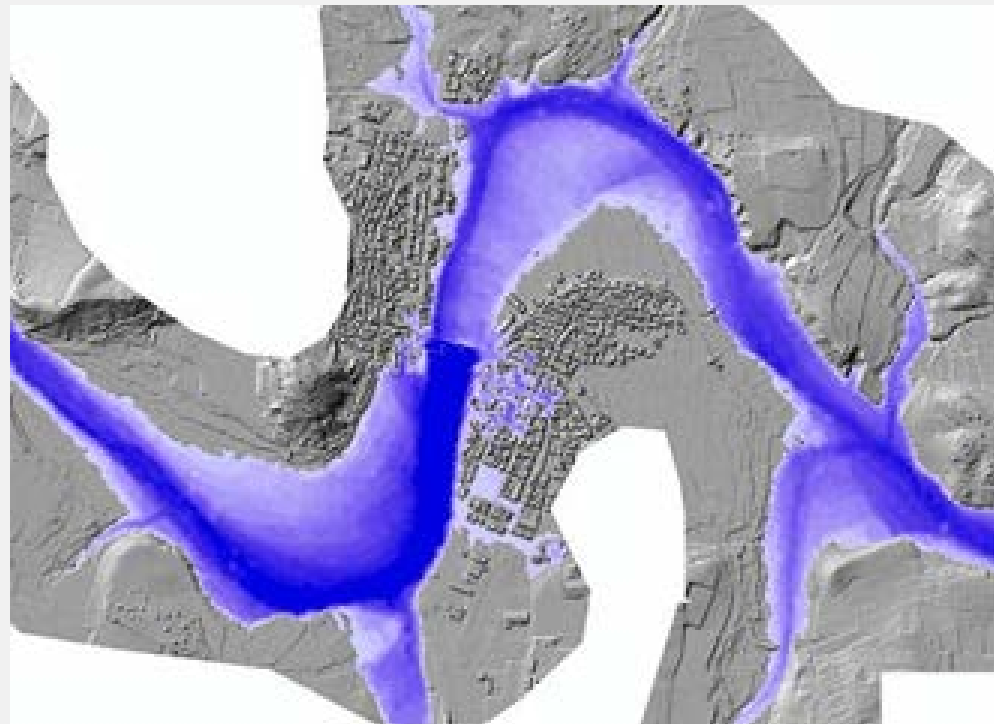
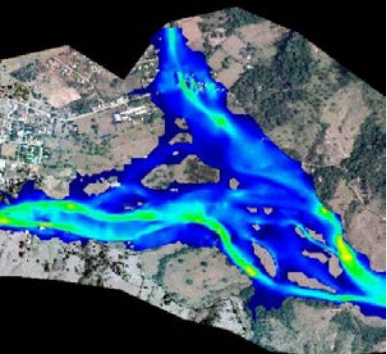
## Flood Risk Management – Flood Hazard and Risk Mapping

**CONTRACT:** Development of the National Mapping System and implementation of the European Union Directive for flood-prone areas in the Jucar River Basin

**CLIENT:** Jucar River Basin Authority

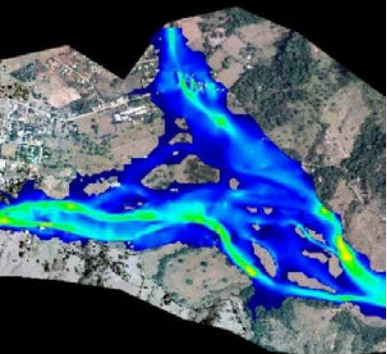
**LOCATION:** Jucar River Basin (Spain)

**PERIOD:** 2008-2015





## Flood Risk Management – Structural Measures Design

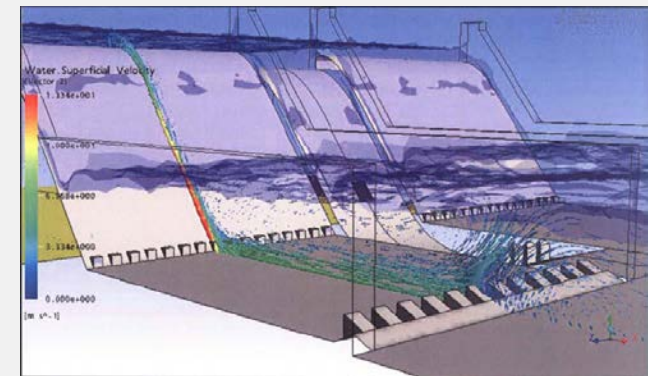


CONTRACT: Design of a flood control dam  
in the Serpis River Basin.

CLIENT: ACUAMED – Aguas de las Cuencas  
Mediterráneas, S.A.

LOCATION: Valencia (Spain)

PERIOD: 2005 - 2007



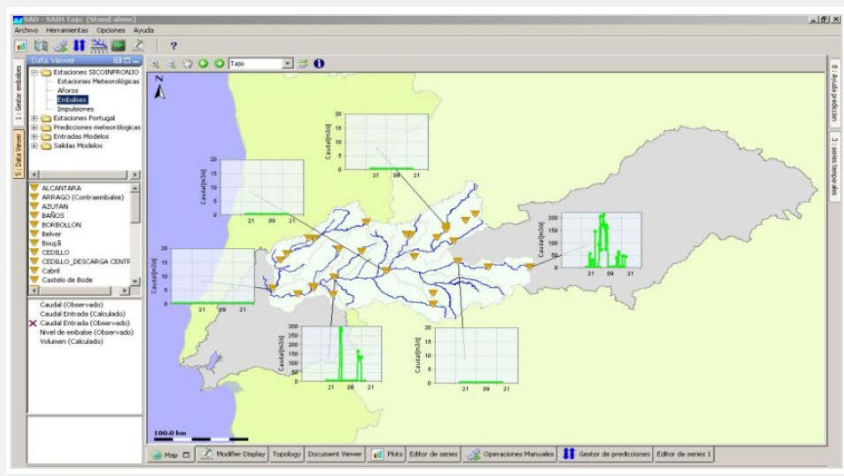
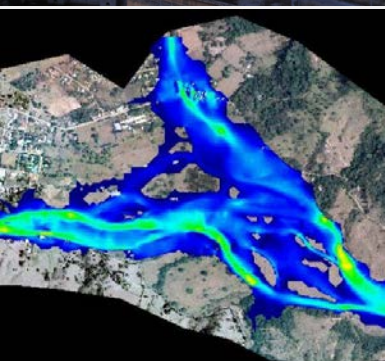
# Hydro-meteorological networks



- Detailed Design & Implementation
- Works Supervision
- Hydro-meteorological forecasting
- Feasibility Studies
- Decision Support Systems
- Flood Early Warning Systems
- Operation and maintenance



## Hydro-meteorological Networks – Detailed design

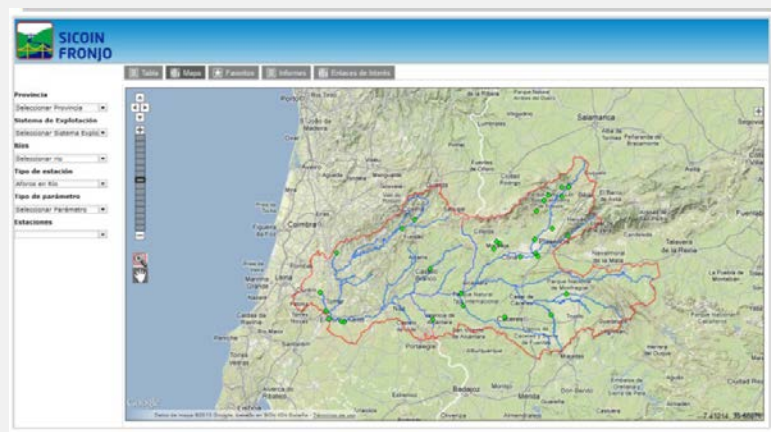


**CONTRACT:** Detailed design for the joint Automatic Hydrological Information System in the cross-border section of the Tagus river basin – SICOINFRONJO.

**CLIENT:** Tagus River Basin Authority

**LOCATION:** Tagus River Basin (Spain)

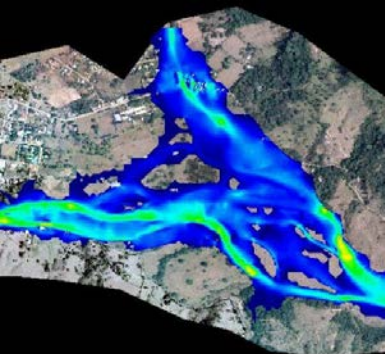
**PERIOD:** 2012 - 2013



## Hydro-meteorological Networks – Works supervision

**CONTRAT:** Works supervision for the implementation of the Automatic Hydrological Information System (AHIS) at the Northern River Basin.

**CLIENT:** Northern River Basin Authority  
**LOCATION:** Northern Basin (Spain)  
**PERIOD:** 2004 - 2008



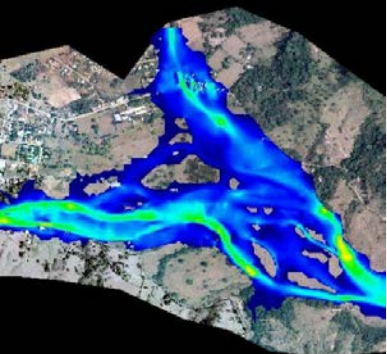
## Hydro-meteorological Networks – Operation & Maintenance

**CONTRACT:** Maintenance and operation of the Tagus river basin Automatic Hydrological Information System (AHIS).

**CLIENT:** Tagus River Basin Authority

**LOCATION:** Tagus River Basin (Spain)

**PERIOD:** 2007 - 2016

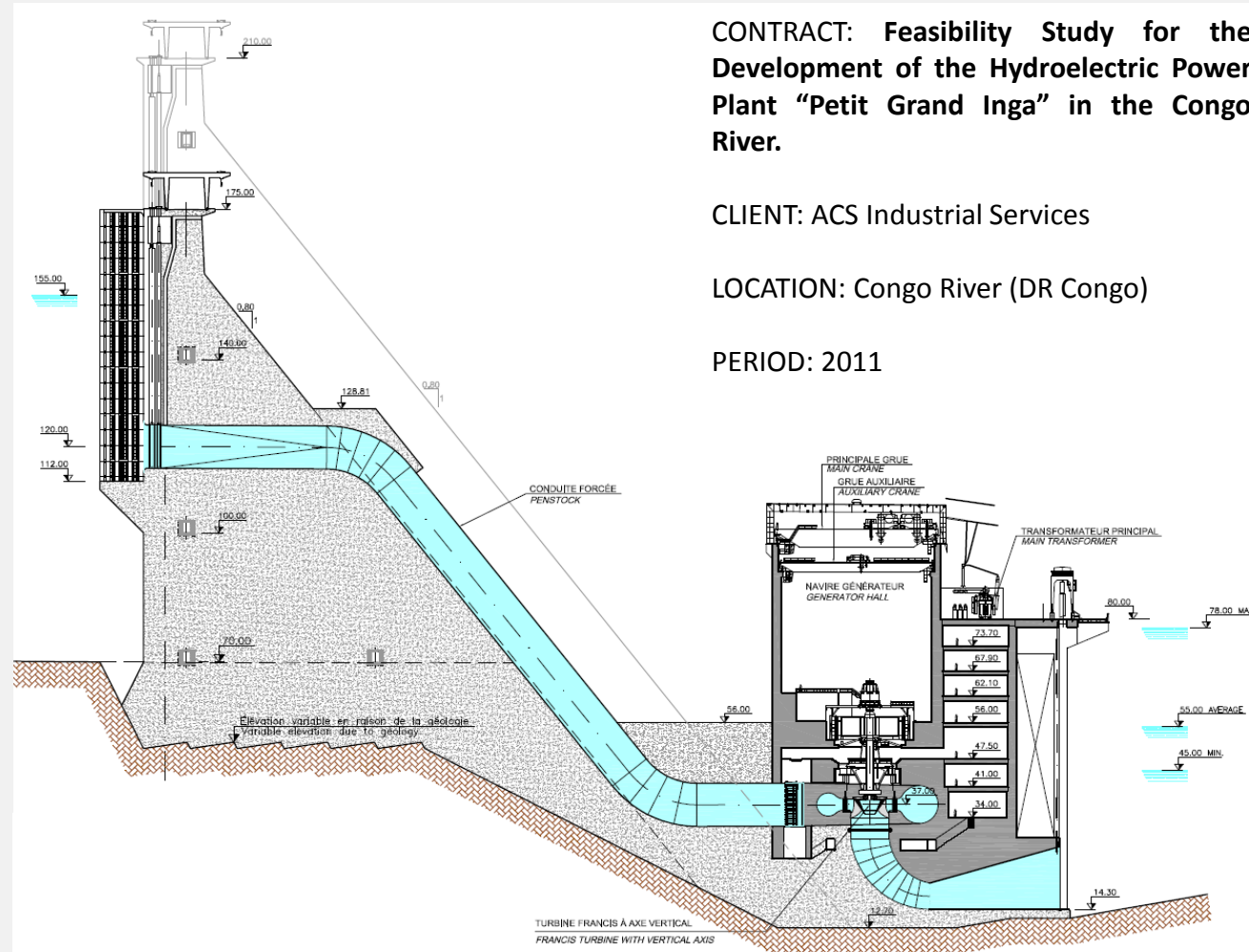
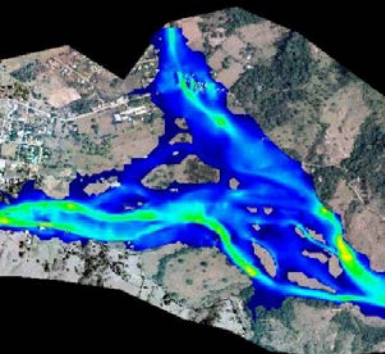


# Hydropower



- Prefeasibility and feasibility design
- Detailed design
- Works supervision

## Hydropower



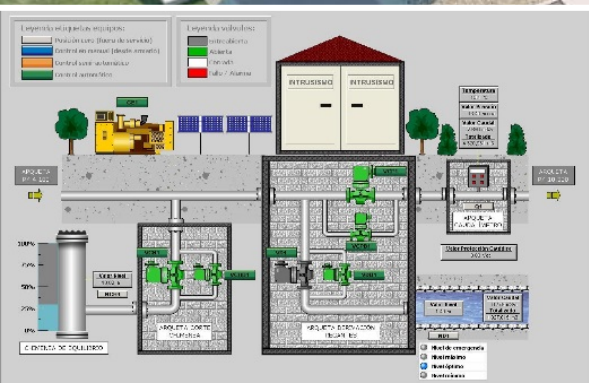
CONTRACT: Feasibility Study for the Development of the Hydroelectric Power Plant "Petit Grand Inga" in the Congo River.

CLIENT: ACS Industrial Services

LOCATION: Congo River (DR Congo)

PERIOD: 2011

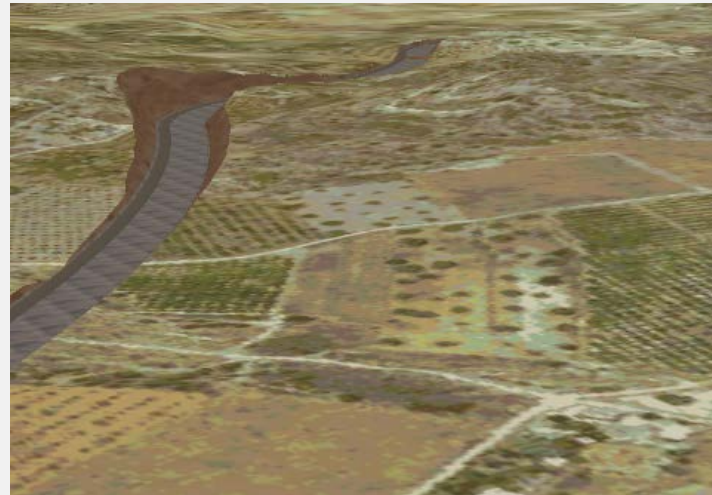
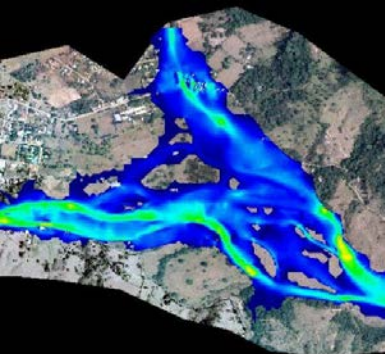
# Water supply, water treatment and water sanitation



- Feasibility studies
- Detailed design
- Works supervision
- Tendering documents
- Operation & Maintenance



**Water supply – Detailed design (Channel + underground pipe)**

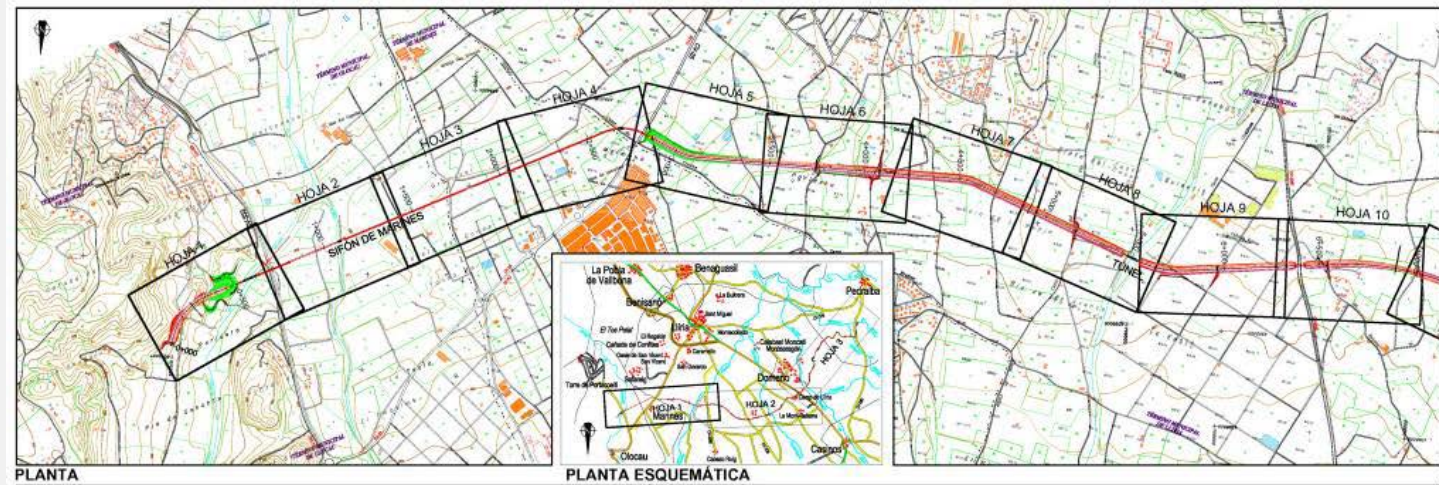


**CONTRACT:** Detailed design of the Hydraulic Infrastructure for the Ebro River Water Transfer. Southern Branch: Southern Mouth of La Calderona Tunnel at the start of Turia Siphon.

**CLIENT:** Ministry of the Environment

**LOCATION:** Valencia (Spain)

**PERIOD:** 2003 - 2004



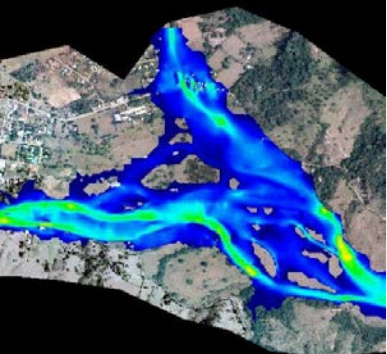
## Water supply – Works Supervision (Pipeline)

**CONTRACT:** Supervision of works in the Cáceres water supply from Portaje reservoir.

**CLIENT:** Tagus River Basin Authority

**LOCATION:** Caceres (Spain)

**PERIOD:** 2011 - 2013



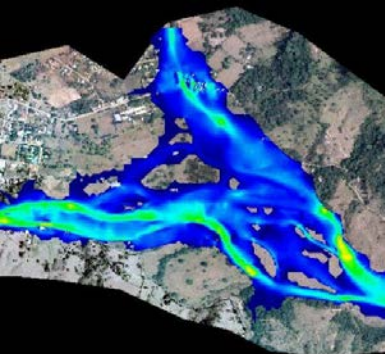
## Water treatment – Works

**CONTRACT:** Design and execution of civil works, equipment and pipe supply, operation and maintenance of the Abi-Gharap Water Project.

**CLIENT:** Ministry of Municipalities and Public Works – General Directorate of Water

**LOCATION:** Babylon (Iraq)

**PERIOD:** 2013 - 2016

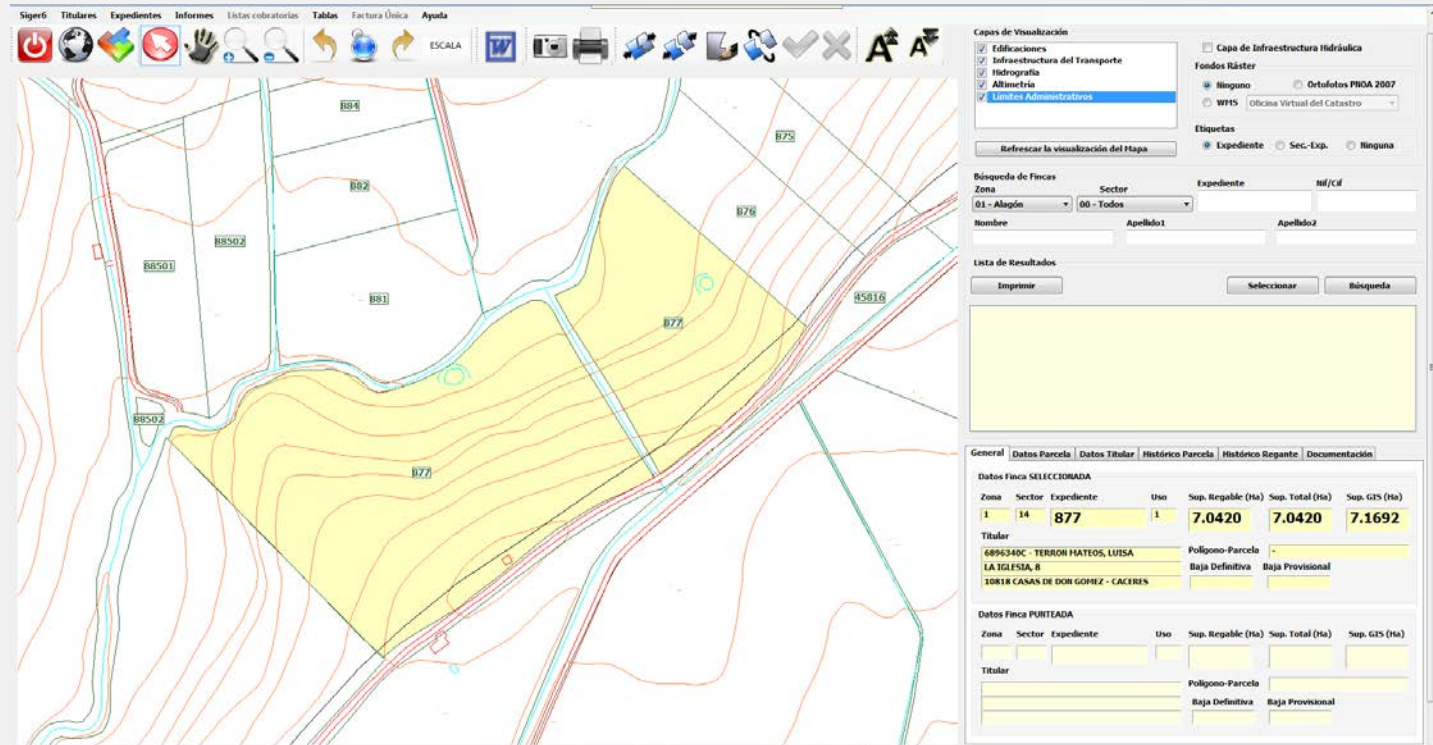


# Irrigation



- Feasibility studies
- Detailed design
- Works supervision
- Management systems

## Irrigation – Integrated Management System



**CONTRACT: Operation and maintenance of the integrated management system of irrigation inventory and regulation system for the Tagus River Basin (charges and taxes).**

CLIENT: Tagus River Basin Authority

LOCATION: Tagus River Basin (Spain)

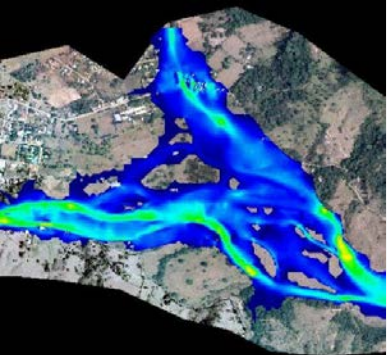
PERIOD: 2012 - 2018



## River restoration

- Analysis of pressures and impacts
- Detailed design
- Works supervision

## River Restoration – Detailed design



**CONTRACT:** Development of the national river restoration strategy in the Guadiana River Basin.

**CLIENT:** Guadiana River Basin Authority

**LOCATION:** Guadiana River Basin (Spain)

**PERIOD:** 2008 - 2011



# Roads and Highways

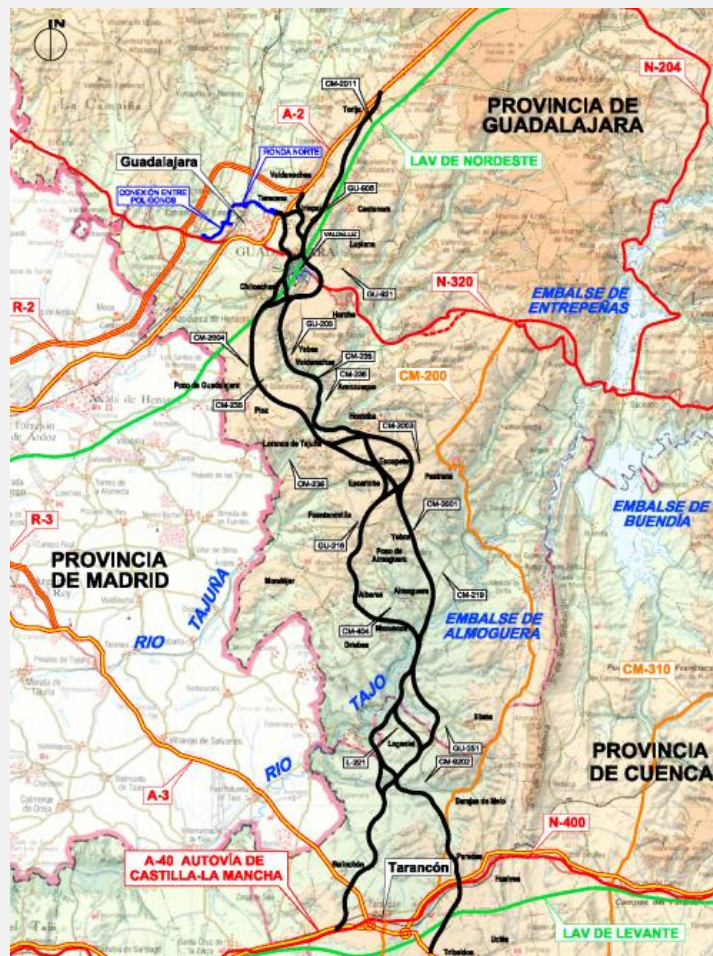
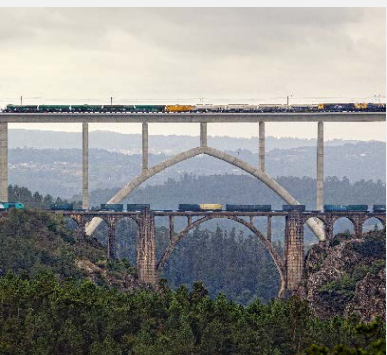
- Feasibility studies
- Detailed design
- Works supervision







## Roads and Highways – Feasibility studies



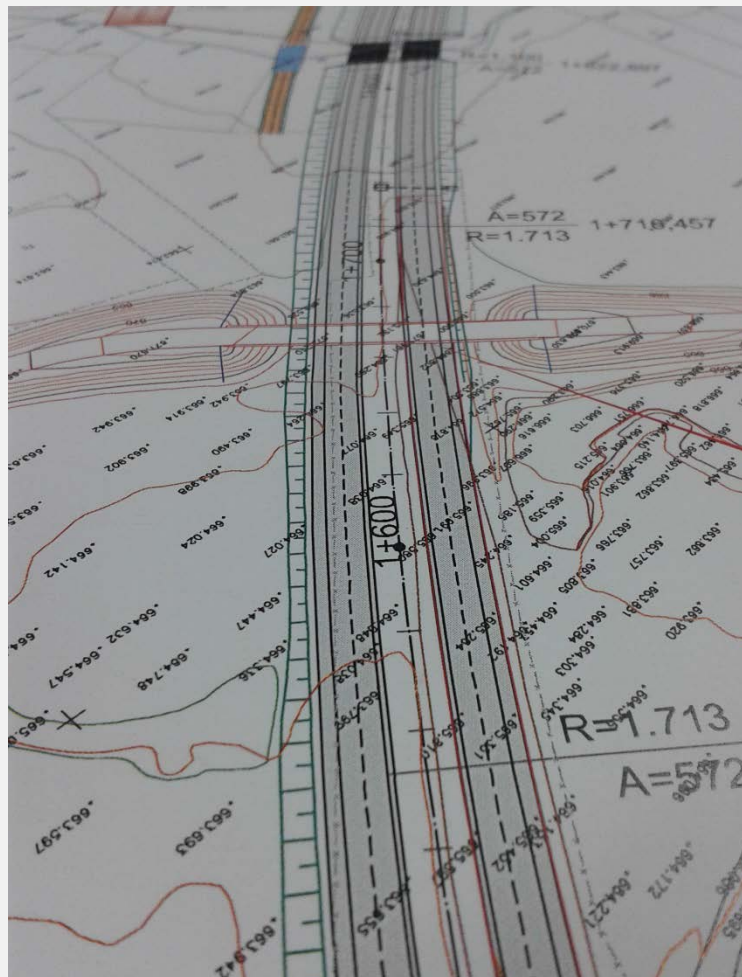
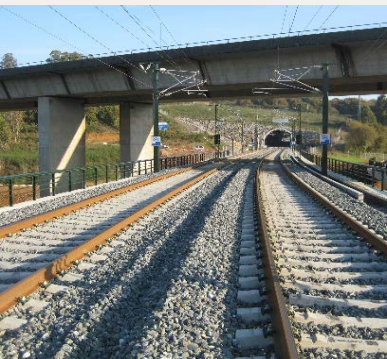
CONTRAT: Feasibility study for La Alcarria Highway, connecting A-2 and A-40 Highways.

CLIENT: Castile-La Mancha Regional Government  
LOCATION: Guadalajara y Cuenca (Spain)  
PERIOD: 2003 - 2006





## Roads and Highways – Detailed design



CONTRACT: Detailed design of the A-43 Highway. Extremadura –Comunidad Valenciana. Section: Puertollano by-pass.

CLIENT: CLIENT: Directorate-General for Roads. Ministry of Public Works

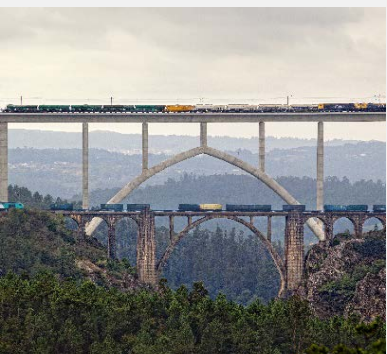
LOCATION: Ciudad Real (Spain)

PERIOD: 2010 - 2016





## Roads and Highways – Works supervision



**CONTRACT:** Works supervision for the A-7 Mediterranean motorway. Stretch: Almuñécar (Taramay) – Salobreña (Lobres) and connection with the A-44 motorway.

**CLIENT:** Directorate-General for Roads. Ministry of Public Works

**LOCATION:** Granada (Spain)

**PERIOD:** 2005 - 2015



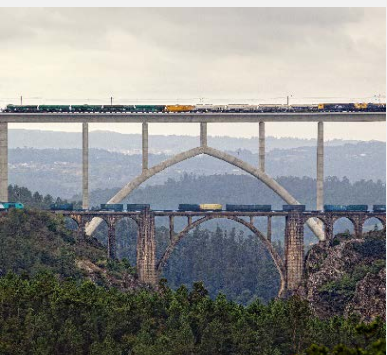
# Railways and Metro



- Feasibility studies
- Detailed design
- Works supervision



## Railways and Metro – Detailed design (High Speed Rail)



**CONTRACT:** Detailed design for the high speed railway deck Madrid-Extremadura route.

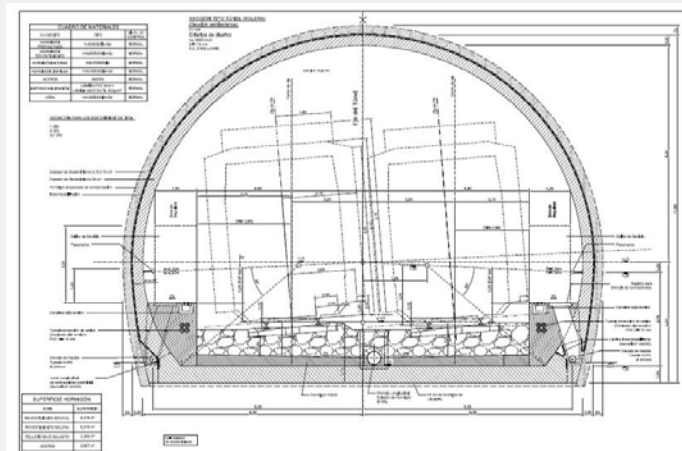
**Section:** Caceres-Talayuela.

**Subsection:** Grimaldo-Casas de Millán.

**CLIENT:** ADIF - Administrator of Railway Infrastructures

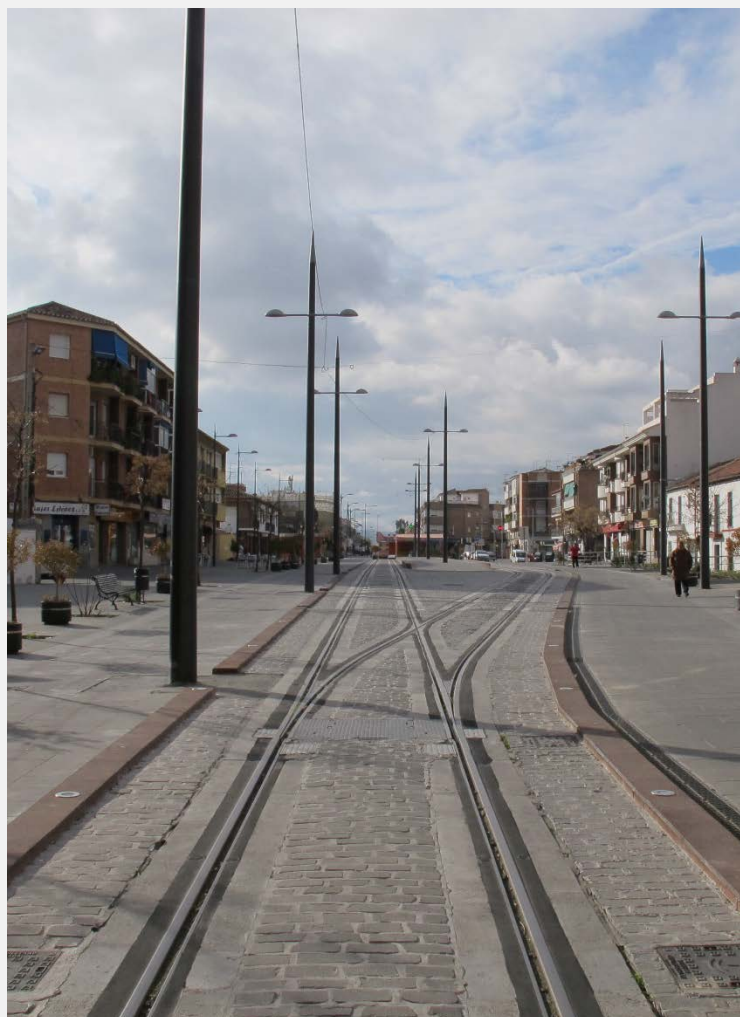
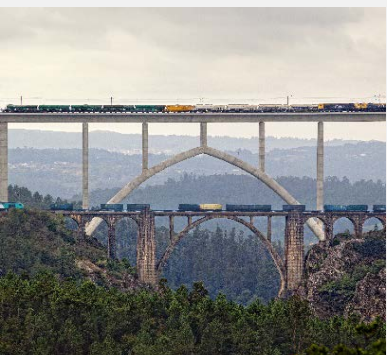
**LOCATION:** Caceres (Spain)

**PERIOD:** 2009 - 2010





## Railways and Metro – Detailed design (Light Rail)



**CONTRACT:** Detailed design of the track infrastructure and superstructure of Metropolitan Line 1 of the Light Rail of Granada.

**Section:** Campus de la Salud – Armilla.

**CLIENT:** Andalusia State Organization for Railway Management

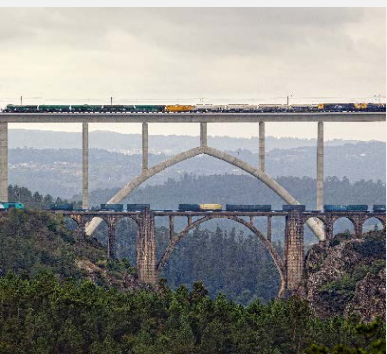
**LOCATION:** Granada (Spain)

**PERIOD:** 2005 - 2006





## Railways and Metro – Works Supervision (High Speed Rail)



**CONTRACT:** Works Supervision at the “North-northeast corridor of the Madrid-Galicia HST route. Section: Zamora-Lubián. Subsection: Cernadilla-Pedralba de la Pradería. Deck”.

**CLIENT:** ADIF - Administrator of Railway Infrastructures

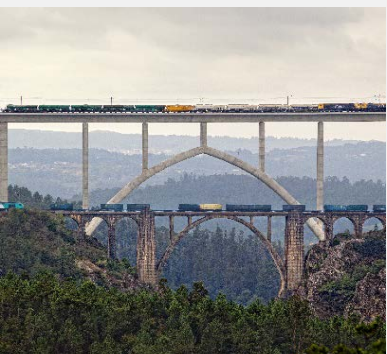
**LOCATION:** Zamora (Spain)

**PERIOD:** 2010 - 2016





## Railways and Metro – Works Supervision (Light Rail)



**CONTRACT:** Construction supervision  
Metropolitan Line 1 Granada Light Rail,  
Section III: Campus de la Salud – Armilla,  
and Section I.2: Villarejo – Méndez Núñez

**CLIENT:** Ferrocarriles de la Junta de Andalucía

**LOCATION:** Granada (Spain)

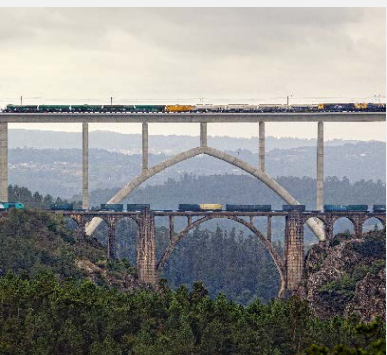
**PERIOD:** 2007- 2016







## Railways and Metro – Level Crossing (Design)



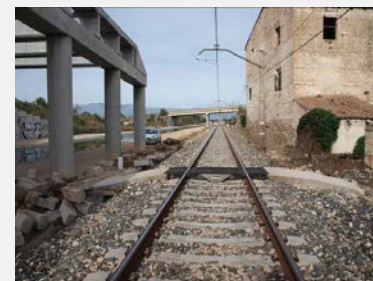
**CONTRACT:** Detailed design for the deconstruction of three level crossings on the Ripoll-Puigcerdá line, three level crossings on the Silla-Cullera-Gandía line, three level crossings of the Torralba-Soria line, three level crossings on the Tortosa L'Aldea line and one level crossing on the Valencia-Tarragona line.



**CLIENT:** Administrador de Infraestructuras Ferroviarias (ADIF)

**LOCATION:** Gerona, Valencia, Soria and Tarragona (Spain)

**PERIOD:** 2010 - 2013



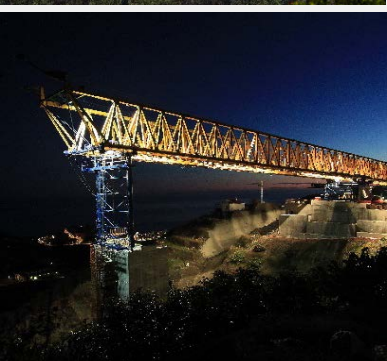
# Bridges and Viaducts



- Routine, main, special and watercourse inspections
- Instrumentation and load tests for acceptance, for assessment of the load-bearing capacity and investigation tests
- Structure repair, reinforcement and adaptation designs



## Bridges and Viaducts – Load testing and inspections



**CONTRACT:** Load testing and bridge inspections at the high-speed railway between Madrid and Galicia. Section: Silleda (Carboeiro) - Santiago de Compostela.

**CLIENT:** ADIF - Administrator of Railway Infrastructures

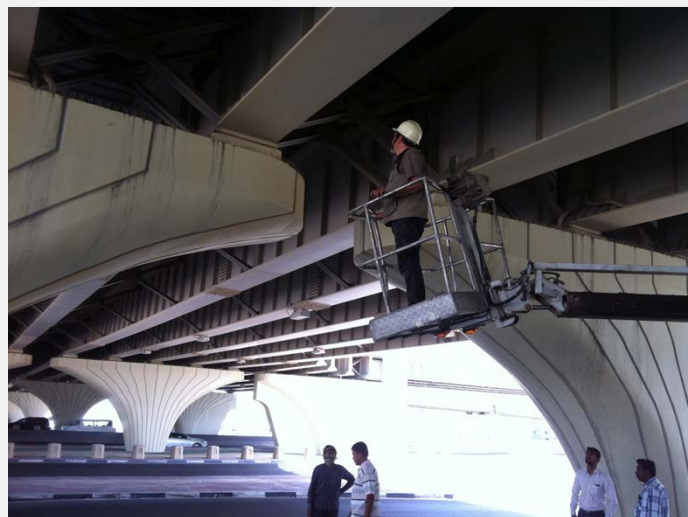
**LOCATION:** Galicia (Spain)

**PERIOD:** 2011 - 2012





## Bridges and Viaducts – Load testing and inspections

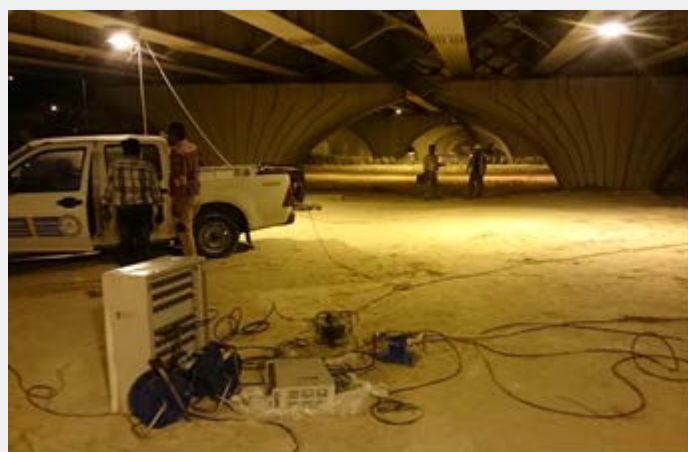


**CONTRACT:** Inspection, supervision of works and implementation of a dynamic load test at the K3 - Prince Salman - Single Point Interchange Bridge

**CLIENT:** Municipality of Dammam

**LOCATION:** Dammam (Saudi Arabia)

**PERIOD:** 2015-2016





## Bridges and Viaducts – Monitoring and Surveillance

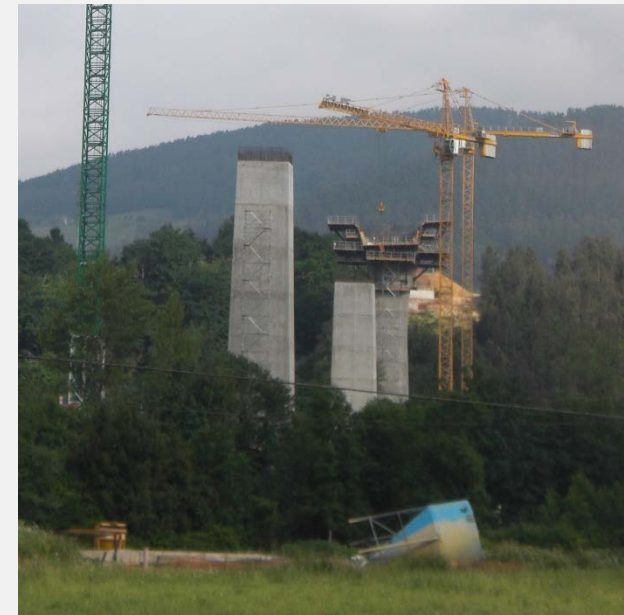


**CONTRACT:** Monitoring of the bridge over the Narcea River, at the A-63 Highway, Oviedo-La Espina

**CLIENT:** Acciona Infraestructuras

**LOCATION:** Asturias (Spain)

**PERIOD:** 2010-2016



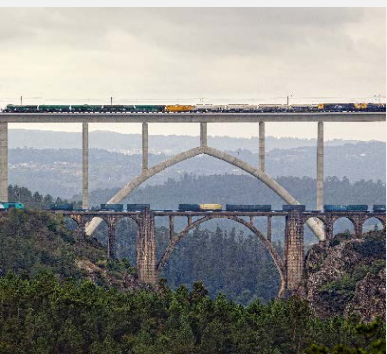


# Tunnels

- Monitoring plan design
- Implementation of the monitoring plan
- Information management



## Underground Works – Monitoring and Surveillance



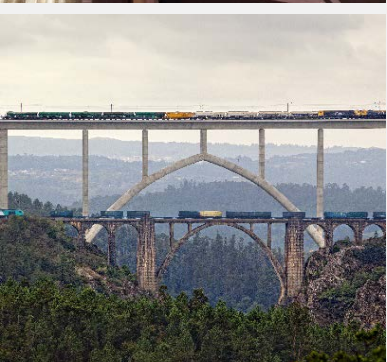
CONTRACT:  
**Implementation of the monitoring system at  
Line 5. The Riyadh Metro Project.**

CLIENT: FAST Consortium

LOCATION: Riyadh (Saudi Arabia)

PERIOD: 2015 - 2017





## Underground Works – Monitoring and Surveillance

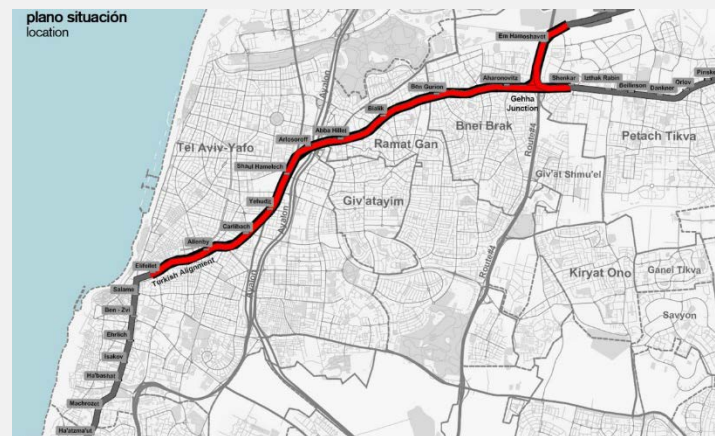


CONTRACT: Implementation of the monitoring system at several tunnels and two metro stations (Ben Gurion and Aharonovitch) of the Red Line (LTR Light Train Transit).

CLIENT: JV China Civil & Danya Cebus  
FINAL CLIENT: NTA

LOCATION: Tel Aviv (Israel)

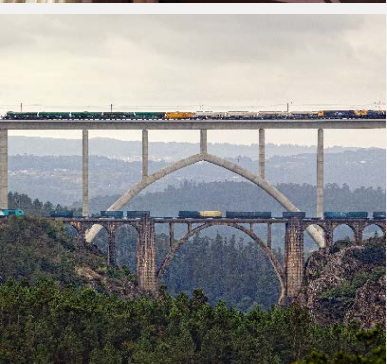
PERIOD: 2016-2020







## Underground Works – Monitoring and Surveillance



CONTRACT: Extension to the Madrid Metro System

- Line 7 and Metro-Este
- Line 4: Mar de Cristal - Parque de Santa María y Parque de Santa María - Cocheras

CLIENT: Madrid Regional Government

LOCATION: Madrid (Spain)

PERIOD: 1995-1999 and 2003-2007





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