PRIMA INFORMATION EVENT

PRESENTATION OF ARSINGER COMPANY

March 5th 2018,
Sevilla, Spain

Universidad de Sevilla
Pabellón de México
Avda. de las Delicias s/n

arsinger
SHAPING THE FUTURE

WE ARE AN INNOVATIVE SME THAT OFFER SOLUTIONS FOR ADVANCED ENGINEERING PROJECTS

- We cover the whole process of an engineering project:

  calculation, design and start-up

- We are a multidisciplinar and flexible team

- WE WORK in different sectors

arsinger ENGINEERING

arsinger ENVIRONMENT

arsinger ENERGY

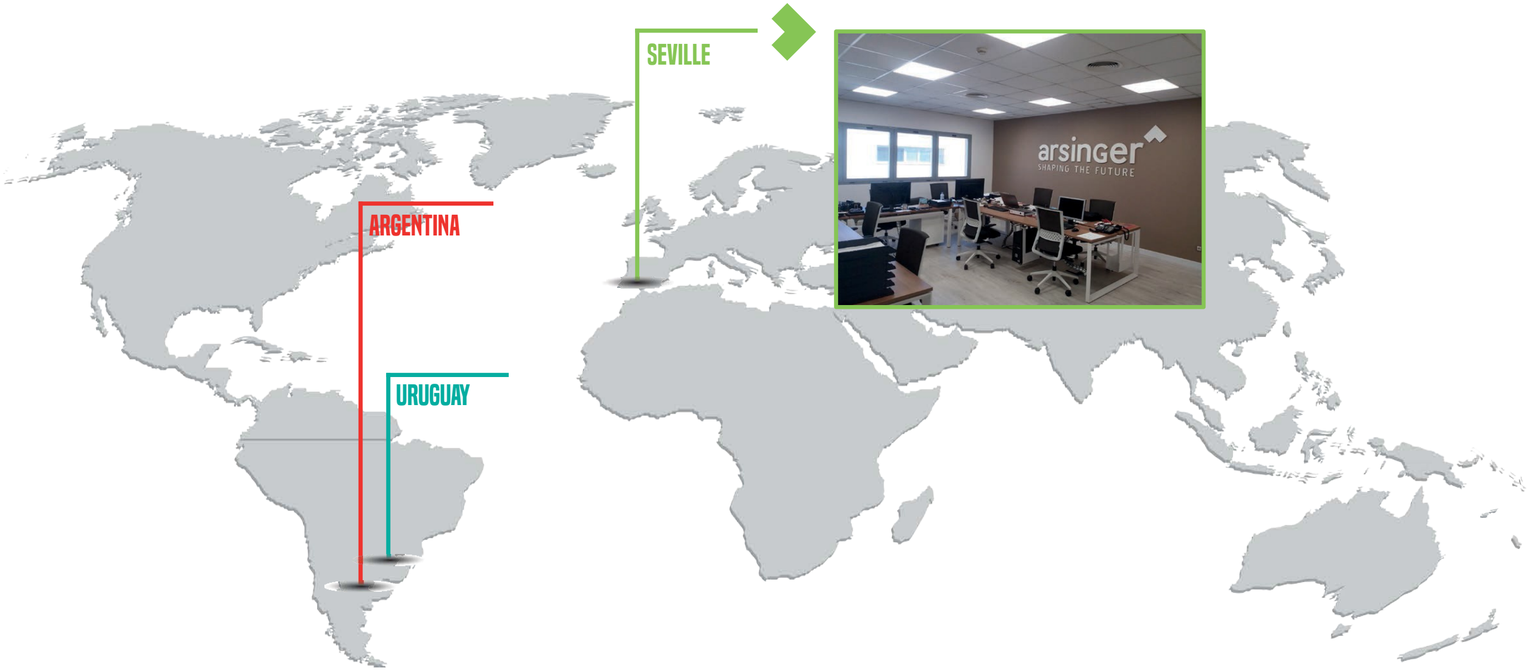
arsinger CONSTRUCTION

arsinger R&D&I

arsinger
SHAPING THE FUTURE

Our central office is in Seville

We have offices in Uruguay and Argentina (MEWYR)



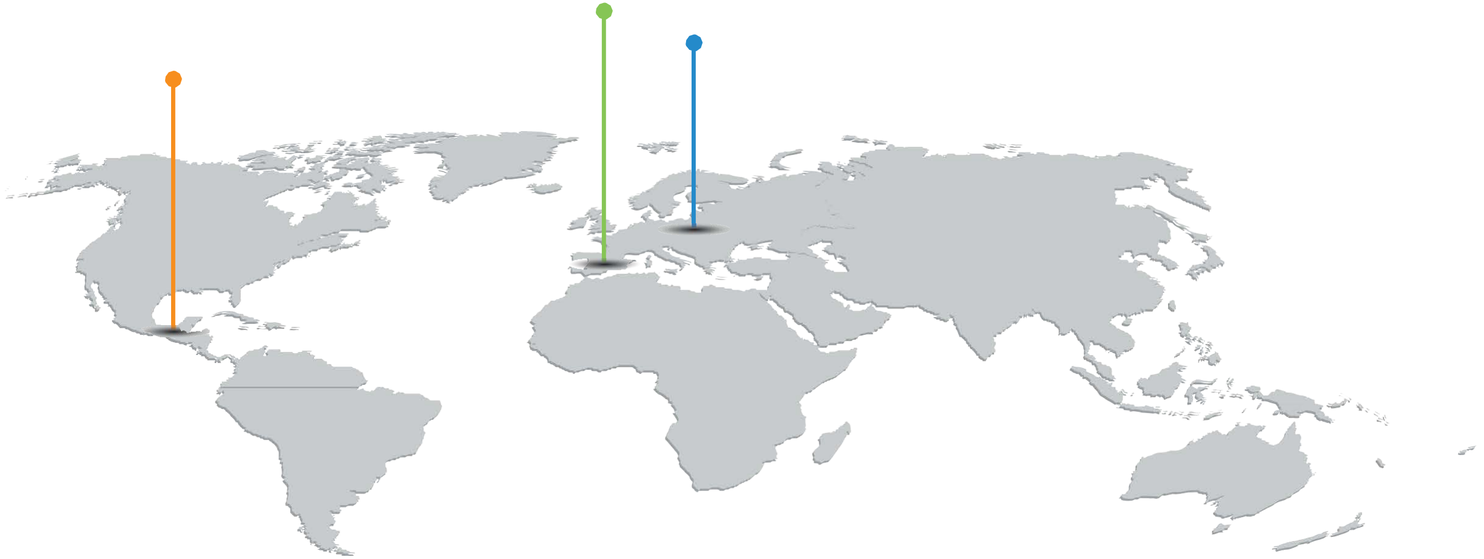
SOME OF OUR CLIENTS ARE MULTINATIONAL COMPANIES

ABENGOA SunEdison FCC Aqualia OHL cobra elecnor

WE MAKE CIVIL ENGINEERING PROJECTS IN ENERGY , CONSTRUCTION & WATER TREATMENT SECTORS

ACTIVITY MAINLY IN SPAIN, BUT ALSO IN NORTH EUROPE AND MEXICO

- COMMERCIAL BUILDINGS
- RESIDENTIAL BUILDINGS
- UNDERGROUND CAR PARKS
- CONCRETE BRIDGES
- HYDROELECTRIC PLANTS
- WASTE WATER TREATMENT PLANTS
- WIND POWER PLANTS



OUR EXPERIENCE IN THE ENERGY SECTOR INCLUDES:

CONSTRUCTION, OPERATION AND MAINTENANCE OF POWER GENERATION PLANTS, MAINLY IN THE PHOTOVOLTAIC SECTOR

THERMOSOLAR

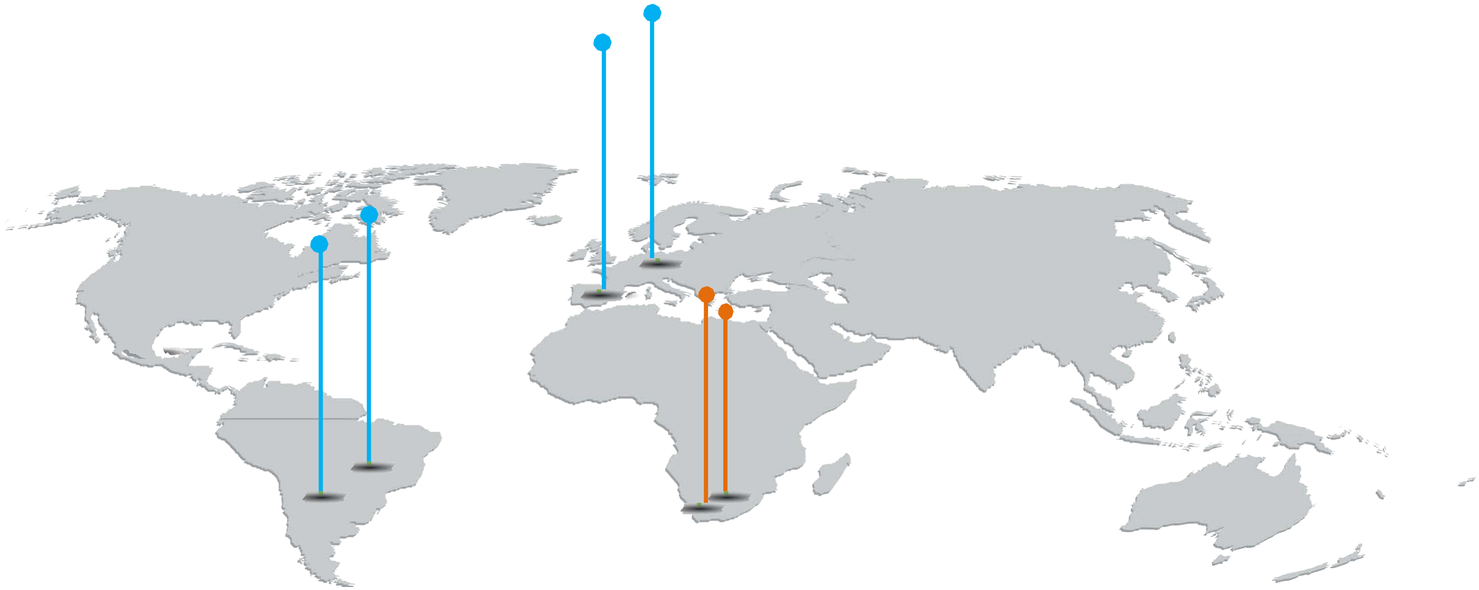
Partners:
TEYMA
ABEINSA

We make civil engineering for thermosolar plants

PHOTOVOLTAIC

Partners:
OHL
SunEdison
Solarpack
Abengoa

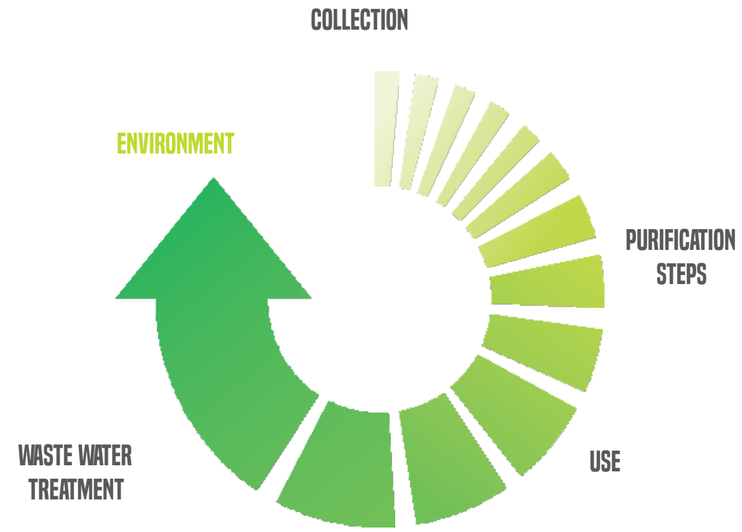
We offer an integral service for the construction and installation of photovoltaic plants, including civil, mechanical and electrical engineering



OUR EXPERIENCE IN THE WATER TREATMENT SECTOR

ENGINEERING MANY WWTP IN SPAIN

- We have extensive experience designing and building WATER TREATMENT PLANTS
- We have developed civil engineering, process engineering and industrial engineering
- We design and execute mechanical and electrical installations

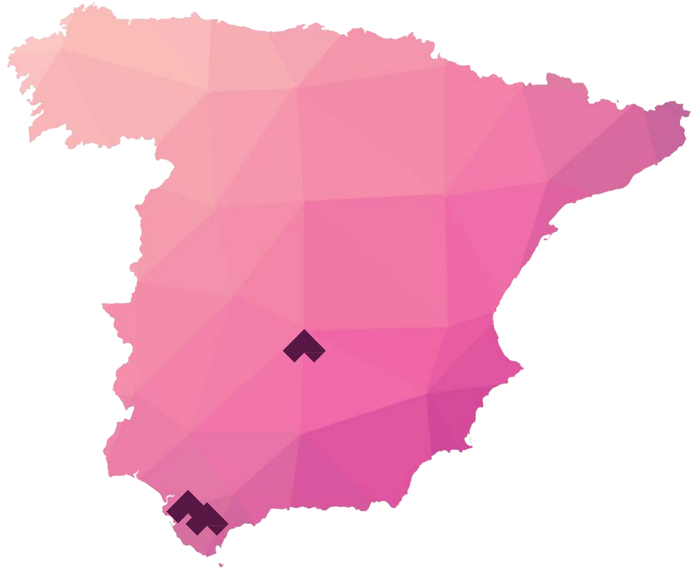


WE OFFER SOLUTIONS IN ANY STEP OF THE WHOLE WATER TREATMENT CYCLE

OUR EXPERIENCE IN R & D PROJECTS STARTED AS AN EXTERNAL COMPANY

WE HAVE WORKED IN SEVERAL RESEARCH PROJECTS LED BY FCC AQUALIA IN THE FIELD OF WASTE WATER TREATMENT

We have designed pilot, prototype and demonstration plants for implementing innovative solutions in the anaerobic digestion step of waste water treatment process in three plants located in Spain



ALL-GAS

LIFE MEMORY

SMART GREEN GAS

European Union
European
Social Fund

SEVENTH FRAMEWORK PROGRAMME

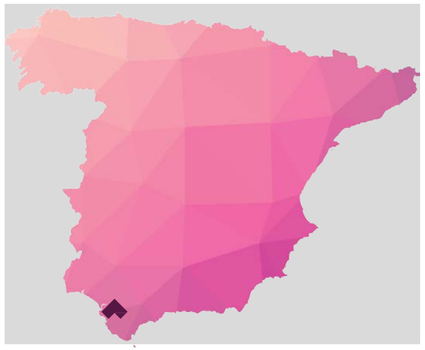
MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

Life

aqualia
GRUPO FCC

ALL-GAS PROJECT

FP7 All-gas project demonstrates the sustainable large-scale production of biofuels based on low-cost microalgae cultures using municipal wastewater



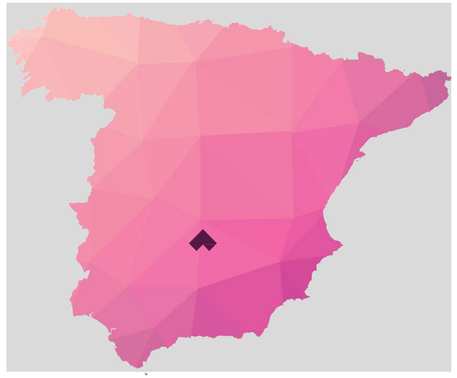
Chiclana de la Frontera, Cádiz

- We designed the prototype and demonstration plants for the cultivation of microalgae fed with waste water (source of N, P and C), and the anaerobic digester for the production of biogas from microalgae

LIFE MEMORY PROJECT

Membranes for energy and water revocery
Industrial prototype scale of the submerged anaerobic membrane bioreactor (SAnMBR)

Location: Alcázar de San Juan WWTP (Ciudad Real, Spain)



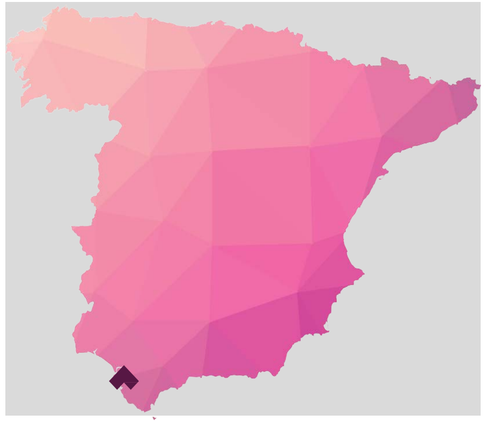
- We designed the prototype plant for the anaerobic digester SAnMBR and the refinement of the biogas.

European Union
European
Social Fund

CDTI Centro para el Desarrollo Tecnológico Industrial
MINISTERIO DE ECONOMÍA Y COMPETITIVIDAD

SMART GREEN GAS PROJECT

The SMART Green Gas project studies the production of biomethane from urban and agroindustrial wastes



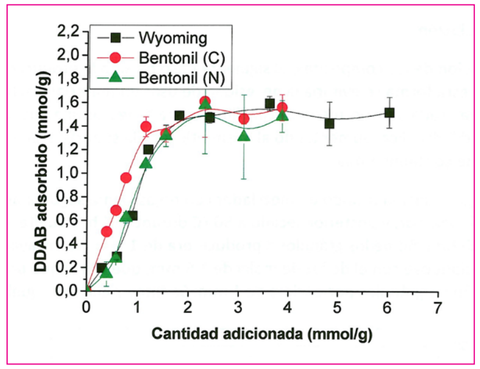
Jerez de la Frontera, Cádiz

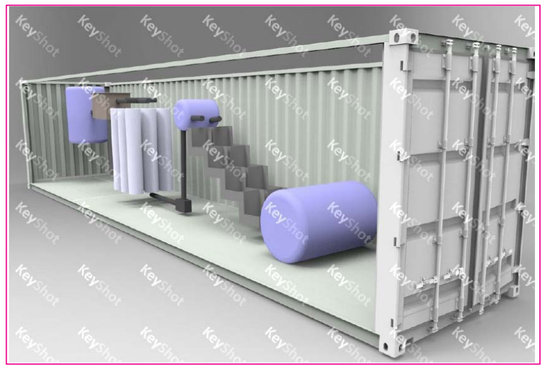
- We designed a prototype plant for the refinement of biogas (biomethane) produced from the anaerobic digestion step in the WWTP. The objective was to obtain a high quality biogas to be used for energetic purposes in industrial, domestic and automotion sectors

JUNTA DE ANDALUCIA
CONSEJERÍA DE ECONOMÍA, INNOVACIÓN, CIENCIA Y EMPLEO

MODULAR WATER PURIFICATION PLANT

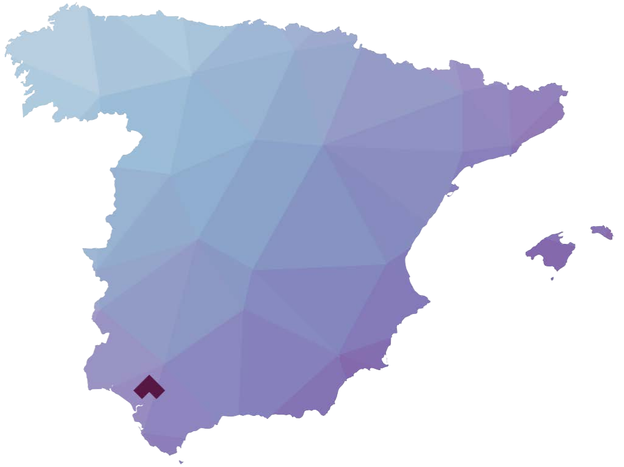
OUR OWN INITIATIVE ON R&D&I





Study of removal capacity of two materials fabricated with innovative technology:

- chemically modified clay
- low temperature activated carbon



R&D&I

JUNTA DE ANDALUCIA
CONSEJERÍA DE ECONOMÍA, INNOVACIÓN, CIENCIA Y EMPLEO

eip-agri
AGRICULTURE & INNOVATION

NOW, WE ARE WORKING IN A PROJECT FOR THE

LOCAL PRODUCTION OF BIO-BASED ACTIVATED CARBON

PROJECT TITLE

VALORIZATION OF AGRICULTURAL WASTES TO PRODUCE ACTIVATED CARBON FOR APPLICATION IN WATER TREATMENT

from the lab to the market

AGRICULTURE & WATER TREATMENT

ANDALUSSIAN BIOECONOMY STRATEGY

CIRCULAR ECONOMY

VALORIZATION OF AGRICULTURAL WASTES IN BIO-BASED ACTIVATED CARBON FOR WATER TREATMENT

FROM AGRICULTURAL WASTES AS A BIOMASS FEEDSTOCK

Rice husks

Almond shells

CAMPOLIVA

EXPERIMENTAL PROOF OF CONCEPT

TECHNOLOGY VALIDATED IN LAB

TECHNOLOGY VALIDATED IN RELEVANT ENVIRONMENT

TECHNOLOGY DEMONSTRATED IN RELEVANT ENVIRONMENT

TRL3 **TRL4** **TRL5** **TRL6**

CSIC
Consejo Superior de Investigaciones Científicas

arsinger
SHAPING THE FUTURE

centa
Fundación Centro de las Nuevas Tecnologías del Agua

TO VALIDATED BIO-BASED PRODUCT

END USERS

Asociación de Abastecimientos de Agua y Saneamientos de Andalucía
ASA
ANDALUCÍA

Engineering the process to transform local agricultural wastes into biobased activated carbon suitable for water treatment, BRINGING THE RESULTS TO THE MARKET and creating an environmentally sustainable business


THANKS FOR
YOUR ATTENTION