

INNTERCONECTA SMARTIC PROJECT

Unión Europea Fondo Europeo de Desarrollo Regional nanera de hacer Europa

Water Monitoring System in Real Time with Smart Technology (SMARTIC)



Project Description

The main goal of the SMARTIC project is to develop advanced indicators that (WTP), to guarantee perfect suitability for

This goal is met by optimizing and automating current treatment processes using portable advanced control systems, controlling catchment points in reservoirs agents in conventional processing, which in turn leads to greater safety in drinking water supplies.

The SMARTIC system incorporates the multi-parameter probe at the catchment point and a number of probes installed along the treatment process into a central system that receives all signals wirelessly. Software controls the process remotely and in real time, supporting the operator in his decision-making.

Thus, the project represents a technological and industrial breakthrough, relevant to the region and the water treatment and commercial projection.

SMARTIC is being implemented for the first time in Extremadura at two locations del Rey reservoir and at the Santa Engracia WTP in Badajoz.

The expected results of implementing the SMARTIC system are:

* Monitoring of key water quality parameters at each stage of the treatment process, thereby continuously controlling chment to output from the WTP

automatic systems developed to determine optimal doses of the main reagents.

All of the above leads to tighter control of the overall process, increased security of drinking water supplies, and a reduction in the use of resources and the associated carbon footprint.





Location: ETAP de Badajoz **Duration:** From the 1st of June 2013 to the 31st of January 2015 **Total Budget in Euro:** 1,065,361 € **Aqualia:** 306,539 €

FLOW CHART PROJECT



PROJECT PARTICIPANTS

- FCC Aqualia, S.A. (leader)
- Adasa Sistemas, S.A.U.
- Coveless Ingeniería, S.L.
- Homeria Open Solutions, S.L.
- Enmusa, S.A.
- Gestiona Global, S.L.





HOMERIA

ENMU

COLLABORATING PUBLIC ORGANISMS

- Universidad de Extremadura
- Centro Tecnológico Industrial de Extremadura (CETIEX)







Funding: Programa FEDER INNTERCONECTA, Extremadura Organism: Centro de Desarrollo Tecnológico Industrial (CDTI) Project: EXP 00064655/ITC-20132021

Grant: Subsidy of 40% of budget (co-funded by the Technological Fund, European Regional Development Fund).

Funding Received Total Budget in Euro: 526,572.80 € Aqualia: 122,615.60 €