# LIFE BIOSOL WATER RECYCLING PROJECT

With contribution from the European Union's LIFE financial instrument

biosol water recycling

## A new concept for wastewater treatment and reuse, and bioenergy production

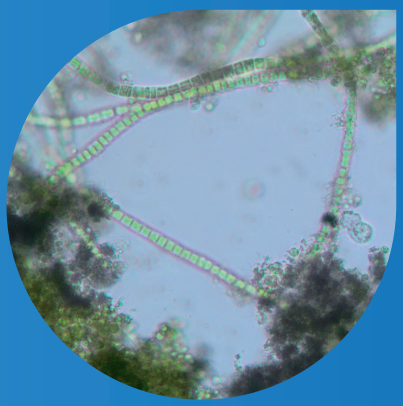
### Project Description

The main goal of the Bio-Solar Water Recycling (Biosol) project is to develop and validate a new system for reusing wastewater.

The concept is based on an ecological process called "Bio-Solar Purification" (BSP), specially designed for small communities and isolated houses.

In this system, biological processes (algae cultivation) and solar technology are brought together to reuse up to 80% of treated water, and to recover and use greenhouse gases and other organic waste produced during the treatment.

The project includes the construction, commissioning and operation of a demonstration plant for treating wastewater, which will reduce natural water resource consumption by using treated water. This plant will generate 50m3 per day of reclaimed and disinfected water, and will improve energy.



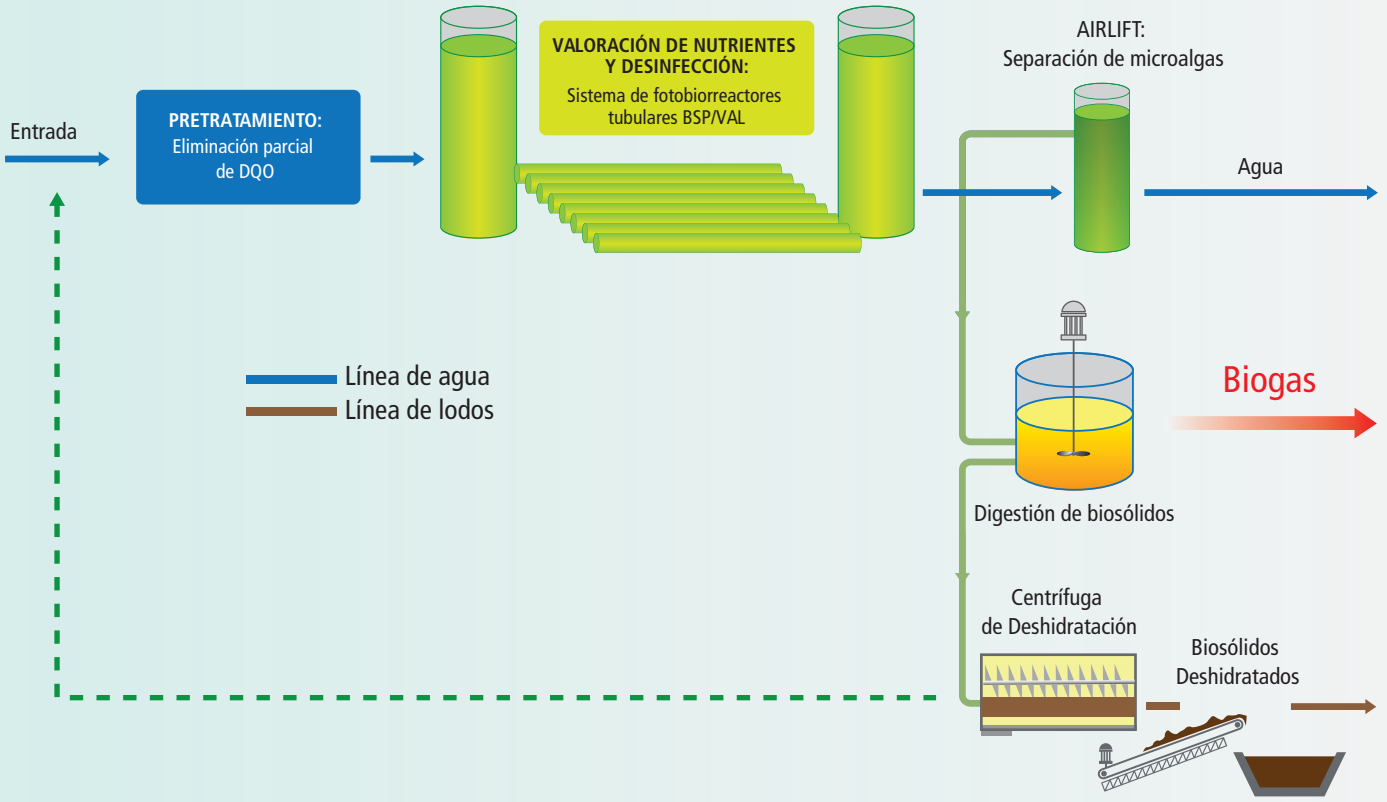
aqualia

**Location 1st stage:** CENTA Carrión de los Céspedes (Sevilla).

**Duration:** From the 1st of July 2014 to the 31st of December 2018

**Presupuesto Total:** 2,322,837.00 € **Aqualia:** 798,531.00 €

## FLOW CHART PROJECT




## PROJECT PARTICIPANTS

- HELIO PUR TECHNOLOGIES (Leader)
- FCC Aqualia, S.A.
- CENTA
- COLDEP

## DETALLES DE LA AYUDA

**Funding:** Environment Programme and Climate Action (LIFE).
**Organism:** European Commission (EC).
**Project:** LIFE 13/ENV/FR/000711.
**Grant:** Subsidy of 50% of budget.

**Funding Received**
**Total Budget in Euro:** 1,146,793.00 €
**Aqualia:** 399,265.00 €

**Contact: innovacion@aqualia.es**
**http://www.life-biosol.eu/**