



## ALGOSTEP

### DEVELOPING A NEW MICROALGAE PRODUCTION INDUSTRY USING WASTE WATER

The AlgOstep project will develop a new microalgae production industry using urban or industrial waste water in order to develop the economic potential of the biomass, significantly eliminate pollution and render the system profitable.

A positive synergy will be created by combining waste-water processing, microalgae mass cultivation and optimising the commercial potential of the biomass.

The system will be perfected by examining the optimum cultivation conditions and developing microalgae on a lab and pre-industrial scale using the AlgoSolis facility, a public R&D platform recently officially recognised by Pole Mer Bretagne Atlantique. The potential for developing microalgae commercially will be studied in accordance with statutory regulations.

The project's focus will be on obtaining a viable technical and economic model for rolling out a new industry. The environmental impact of the new system will also be assessed.

#### Partners

##### Companies

GLS, Paris [\[Project Developer\]](#)  
Algaia, Caen  
AlgoSource Technologies, Saint-Nazaire

##### Research center

Laboratoire de Génie des Procédés -  
Environnement - Agroalimentaire (GEPEA),  
Université de Nantes, Saint-Nazaire

##### Other partner

BIO by Deloitte, Puteaux

#### Funders

- Ademe  
- Région Pays de La Loire

#### Labelisation

18/12/2015

#### Overall budget

702 K€