

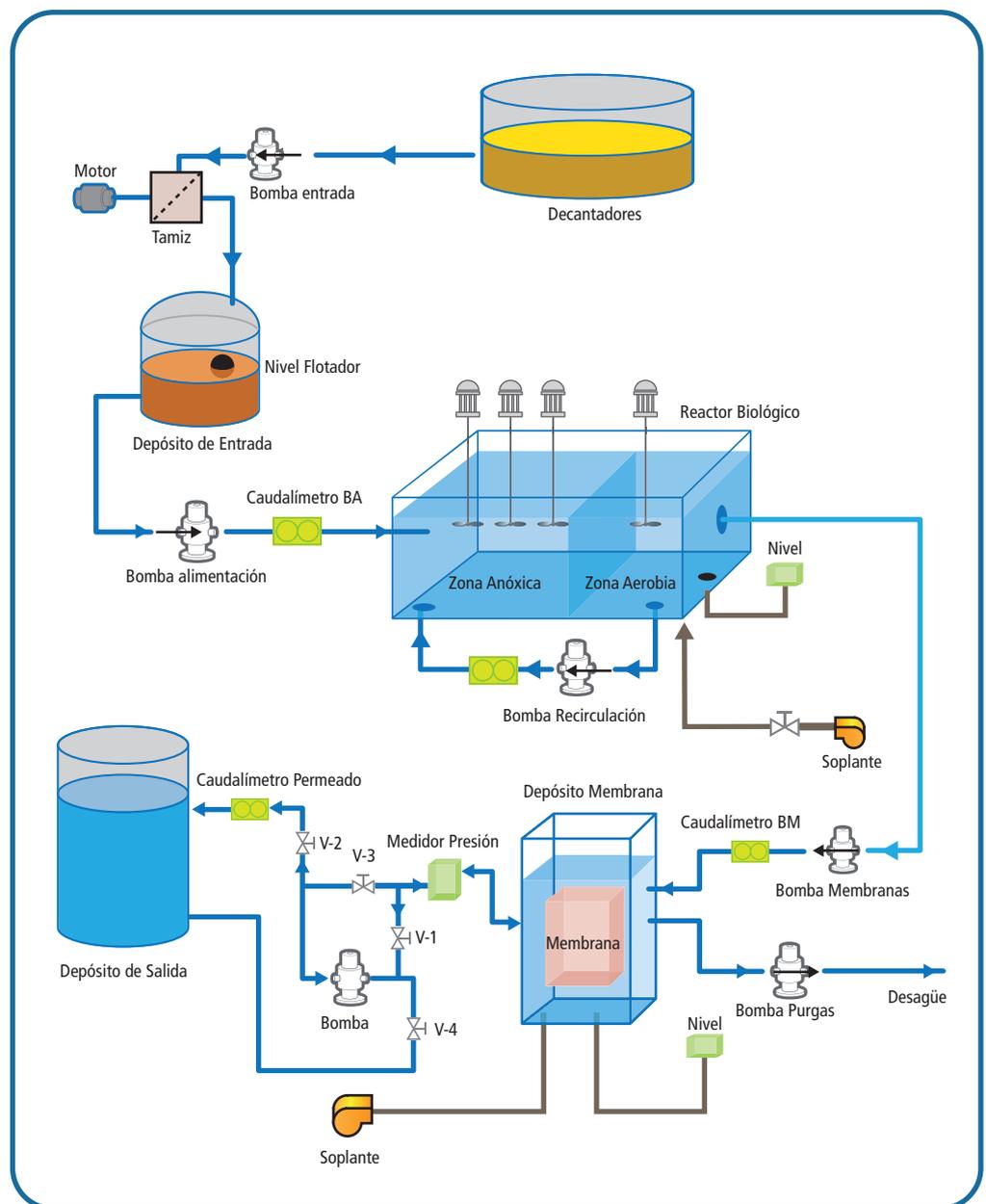
## New membrane bioreactor technology with fillers to optimise urban wastewater treatment and reuse.

# MBR FILLING Project

## Project

The combination of a biofilm biological reactor developed on a mobile plastic support alongside an ultrafiltration membrane process, supplied by Microdyn-Nadir, will be studied on this project. Two different strategies will be used:

Firstly, the membrane will be used as a tertiary filtration system and, secondly, as a hybrid membrane system. The special feature of this membrane is that it ventilates with fine bubbles and has a plastic material for cleaning. The energy balance of the treatment process is to be studied.



**Location:** Vigo (Pontevedra, Spain).

**Duration:** December 2010 – September 2012, divided in 3 annuities.

**Current status:** Finished.

**Total Budget in Euro / Trainasa:** 93,283 €.

## PROJECT PARTICIPANTS:

### Partners:

Trainasa Tratamiento Industrial de Aguas, S.A.

### Main Collaborators

Universidad de  
Santiago de Compostela



### Contact details:

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## GRANT:

### Support name and granting body:

Ministry of Economy and Industry whereby grants corresponding to the sectoral technology of the natural environment and sustainable development are awarded (MDS), established under Order of 6 July 2010 (Galician Official Gazette, 7 July).

**Project:** 10MDS011E

**Grant:** Subsidy of 50% of budget

**Total subsidy / Trainasa:** 46,642 €

