

The SMART Green Gas project studies the production of biomethane using agro-industrial and urban waste

NORTEGAS is a partner of the Smart Green Gas project, an initiative with a budget of over EUR eight million and funding from the CDTI's CIEN Programme.

The project aims to obtain high quality biomethane that can be injected in the natural gas network or used as motor fuel. A consortium of companies led by Aqualia has therefore been set up and whose members include Gas Natural Fenosa Biogas Fuel Cell Diagnostiqa, Dimasa Group and Ecobiogas. NORTEGAS is leading one of the three activities of the project, which will develop breakthrough techniques and new biogas recovery and purification systems.

The project, which will run until December 2018, is studying the purification of biogas obtained from waste processing plants and its conversion into high quality biomethane, with 95% concentration, in order to be inject in the gas network or used as motor fuel.

SMART Green Gas will therefore develop highly efficient systems for biogas production, along with new biomethane production, refining and treatment processes. Furthermore, it will work on procedures for the smart and specialised distribution and control of biomethane.

The SMART Green Gas project consortium has the support of numerous public research bodies of 4 Spanish autonomous regions, exactly 4 universities and 4 research centres. The universities include the Complutense of Madrid, Girona, Valladolid and Santiago de Compostela, and the research centres are Tecnalia, Icrea, Leitat and Lequia. It can easily be seen that the envisaged knowledge and technology transfer is large-scale and extends beyond borders.

Smart Green Gas is backed by the CDTI's CIEN (National Business Research Consortiums), financed by ERDF funds, through the Smart Growth Multiregional Operational Programme. The total budget for the approved project for the whole consortium is EUR 8,365,890.