



TellLab

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CATÓLICA DE MURCIA

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1. KICK-OFF MEETING

Oct 22, 2018

ECOSENS Aquamonitrix's partners meet in the facilities of the coordinator of the project, TellLab, in Tullow, Ireland.

The Kick-off Meeting of the ECOSENS Aquamonitrix project was held on October 8, 2018 at T.E. Laboratories Ltd. (t/a Tellab), in Tullow, County Carlow, Ireland. After a visit to the laboratories, each of the partners had the chance to present their organization and their role in the project. Then the consortium held a fruitful discussion about the project tasks, deliverables and deadlines, and the Project Management Board members were appointed.





2. PROTOTYPES

Jan 22, 2019

In January TellLab engineers and technicians were busy building and testing prototype Ecosens Aquamonitrix water analysers. In February, the prototypes will be ready to go to the demonstration sites in Finland, Spain and Ireland in February. Our partners, Kemira, LKS and UCAM have been organising the demonstrations with their WWTP partners. Everyone was all looking forward to the demonstrations starting!!



3. PREPARING THE DEPLOYMENT

Feb 4, 2019

The teams of LKS Ingenieria and UCAM have visited the demonstration sites in the Basque Country (WWTPs Loiola in San Sebastian, Galindo in Bilbao, Crispijana in Vitoria) and Murcia (WWTPs Alcantarilla, Los Alcázares, Molina del Segura, San Pedro del Pinatar), analysing the location of the prototypes and the work required for their installation.

Our gratitude to the staff of [ESAMUR](#), Entidad de Saneamiento y Depuración de Aguas Residuales de la Región de Murcia, and [AMVISA](#), Aguas Municipales de Vitoria-Gasteiz, for their support and for allowing us to demonstrate our prototypes at their sites.





4. SHIPPING THE PROTOTYPES

Feb 15, 2019

The Ecosens Aquamonitrix prototypes have been packed into boxes at Tellab ready for shipping to Murcia WWTPs for the first Spanish deployment.



5. DEPLOYMENTS

Feb -April 2019

Tellab's engineers successfully deployed the Life Ecosens Aquamonitrix water quality sensor at an agricultural site in Teagasc, County Wexford, Ireland.



The deployments took place in Murcia in two phases. The first phase of deployments took place on February 25, 2019 and the second phase took place on April 2, 2019. UCAM and Tellab worked well together with the help from the WWTP staff greatly appreciated as well.





Two devices were also installed in the WWTP in Haaapavesi at the beginning of March 2019.



A team of Tellab engineers spent a week in March installing prototypes of the device in the WWTP of Galindo (Bilbao), Crispijana (Vitoria) and Loiola (San Sebastian) with the support of the team from LKS Ingeniería. Two devices were installed in every plant to take measurements in different points of the process: one in the influent (after pretreatment) and another in the effluent. In the plant of Galindo the prototypes have an indoor location, but in Loiola and Crispijana they are located outdoors.

These prototypes are located in very different conditions and the results from the sensors will let the team verify the quality of the measurements and the reliability of the devices.





6. WORKSHOP IN MURCIA

On May 9, 2019, the VI Workshop “[Management of the integral water cycle and the environment](#)” took place at the **Catholic University of Murcia (UCAM)**. Several presentations were made on topics related to water, including a presentation on the Life Ecosens Aquamonitrix project as well as presentations on climate change and drought, efficient irrigation and the absorption of pollutants. The event was inaugurated by Estrella Núñez, vice-rector of Research at UCAM and Pedro Jiménez Meseguer, vice-dean of the Degree in Civil Engineering at UCAM.

Throughout the morning, experts such as Carlos Conradi, director of the Mancomunidades de los Canales del Tibilla; Luis Miguel Barranco, geologist of the Centro de Estudios y Experimentación de Public Works; Sebastián Delgado Amaro, Director General of Water of the Autonomous Community of the Region of Murcia (CARM); Juan José Alarcón Cabañero, Director of the Centro de Edafología y Biología Aplicada del Segura



(CEBAS) and José Antonio Gabaldón Hernández, principal investigator of the European Life Clean Up project, among others, discussed the management of the integral water cycle and the environment.

