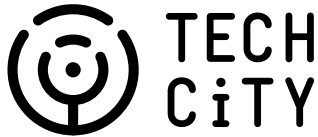ÁGUAS DA REGIÃO DE AVEIRO
Grupo Águas de Portugal

Aveiro Urban Challenges

CHALLENGE AdRA

Partner

AdRA - Águas da Região de Aveiro.

Contact Partner for Challenge Development

Carlos Póvoa - **c.povoa@adp.pt**

Challenge

Augmented reality (AR) in maintenance of equipment and networks

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Challenge's Scope

Develop a system to allow AdRA's operators to view both water and sanitation infrastructures when they look at a specific location (with technologically adapted, glasses or smartphones).

In addition to the "view" function the system should foresee an "update" to automatically update the intervention in the infrastructure map, dematerializing processes and making them more efficient.

Challenge Development

This system could also benefit from georeferenced databases from other operators (even offline), allowing the employees of Aveiro Municipality, for example, to see all existing infrastructures in one place (gas, electricity, communications, etc) dispensing technical assistance from utilities suppliers.

The system could also be used in other contexts, for example, for a tourist to see the history of a monument when looking at it or the information about a restaurant.

The solution is intended to be interoperable so that can be customized to interconnect with open connectors via WFS, WMS, and WMPS.

Partner Mentors

Nuno Soares e Carlos Póvoa