



Optimised Radar to Find Every Utility in the Street

Deliverable D10 Artificial Test Site Requirements Analysis

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EXECUTIVE SUMMARY

The European ORFEUS (Optimising Radar to Find Every Utility in the Street) Project aims to develop a new generation surface Ground Penetrating Radar (GPR) to improve the detection and localisation of subsurface structures. The Research Department at GDF Suez is a participant in the ORFEUS consortium and is committed to making its specific test site available. However, this area requires modification in order to fulfill the essential needs for the testing of this new surface radar.

This document describes the changes that the GDF Suez Research Department needs to make to its test site so that it better fulfils the requirements of the specifications recommended by the ORFEUS Consortium.

In the test area, the space reserved for tests on this radar will represent an area of 60m². The changes involved will be to the types of subsurface structures (gas, water, fibre optics, etc) and the locations and diameters of the pipes, and the type of terrain. In addition, a ground humidification system will be installed in this test area in order to control the moisture content of the ground.

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