Empresa: **CPS Infraestructuras, Movilidad y Medioambiente, SL**

PRESENTATION OF THE CHALLENGE

CHALLENGE

14.1- Digitalize the execution and follow-up processes of construction works.

SUMMARY

HOW COULD WE

We are looking for a solution company to...

To develop an open access, dynamic and easy to use application to digitize the construction site management in the field and to allow:

- Visualize the works schedule
- Manage the budget to be able to control budget and schedule deviations.
- Automate modifications on site so that all changes being made in the office can be seen immediately in the program from the site.
- Incident management
- Agenda with alerts of the milestones of each work.
- Contact agenda of all the people involved in each work and the possibility of creating groups of people in each work.
- Possibility of opening plans and drawing and marking on them.
- Ability to write and send minutes on the spot, attaching files, tagging contacts from the agenda, as well as being able to sign them on the spot (digital and by hand).
- To be connected with the email to be able to send minutes and other information directly from the application.

To obtain a solution...

That modernize all site management functions to reduce operation times, providing real-time access to company information and ensuring the security of the information used. Specifically, how could we:

- Create individual repositories and create tags for information organization.
- Automatically generate daily and final work reports by selecting elements from various repositories (photographic report, measurements, incidents, test results, etc).
- Read DWG, PDF or IFC files to generate augmented reality images on site using the device's built-in camera.
- Visualize the different layers of the plans or model in the augmented reality images.
- Send alerts of changes that have been made to files located in the repository.

REQUIREMENTS

TYPE OF CHALLENGE

The company must...

- Develop the application in less than 8 months.
- Use the Google Drive file repository and ensure that it can work in remote sites without internet connection and later with connection it synchronizes with Google Drive.
- Ensure that the application is compatible with IFC, BC3 and DWG files and that it has geolocation.

In addition, it is a plus that the company has the ISO 27.001 Information Security seal, as has the company itself.

| P | M | T | C | S | O |

Product – **M**arket – **T**echnology – **Ch**anel – **S**ociety - **O**thers