

DigLogs

Pilot Implementation

Progress Report #1

5.2.2 Mobile Safety/Security Pilot

Responsible partner: UNITS			
Involved partners: All			
Version	Status	Date	Author
0.2	FINAL	02/03/2021	UNITS
Notes:			

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1. Pilot Action Progress Status

1.1 Project functional requirements

Monitoring of the pilot project execution will be performed using the following milestones, in sequence (checkpoints – check off milestones):

1. Compiled draft of the project work plan – approved by PP4, - **COMPLETED**
2. Completed project work plan – validated by WP5 package leader (PP5) and the whole partnership, - **COMPLETED**
3. Written draft of the technical-functional specification, - **COMPLETED**
4. Completed rest of the public procurement (tendering) documentation, - **COMPLETED**
5. Issued requests/invitations for quotations, - **COMPLETED**
6. Received commercial offers, - **COMPLETED**
7. Evaluation of offers completed and developer selection, CHECK OFF MILESTONE 1 - **COMPLETED**
8. Development of the APP and backend, - **ONGOING**
9. Installation and configuration of the system in the test environment,
10. Trial and system acceptance, CHECK OFF MILESTONE 2
11. Full system functional,
12. Experimental campaign carried out with sample population, CHECK OFF MILESTONE 3
13. Completion of data analysis to assess the findings of the experimental campaign.

1.2 Updated Project Timeline

Figure 1 provides an overview of the ongoing and expected timeline of the pilot project.

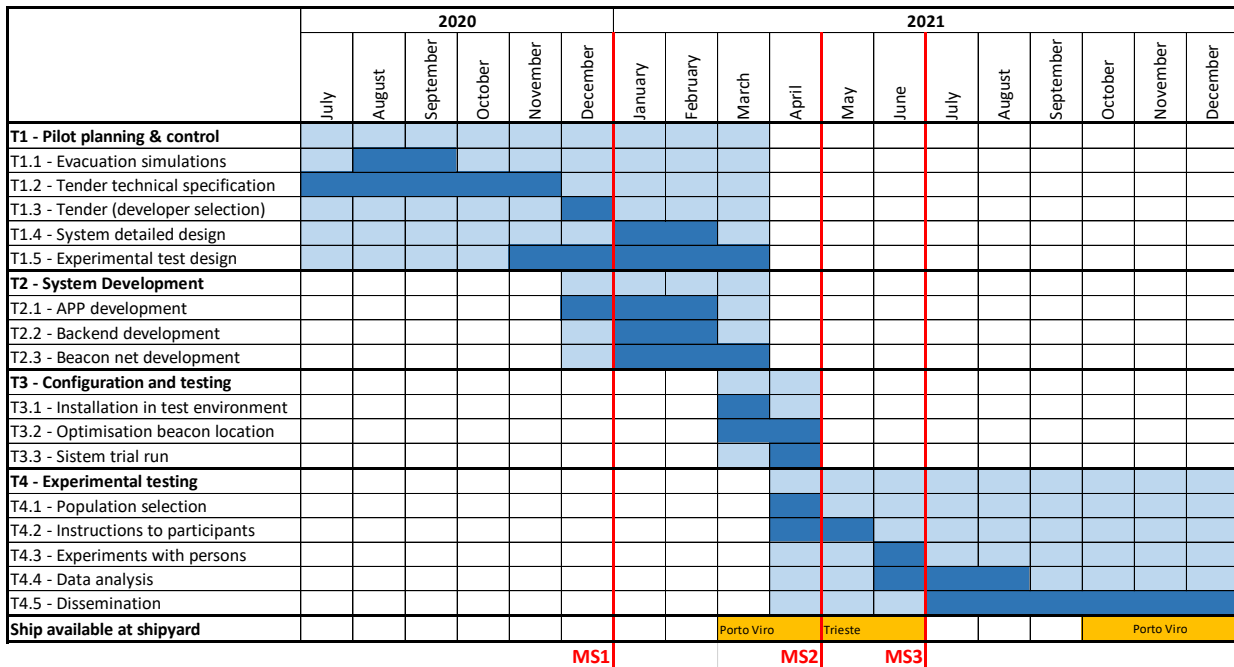


Figure 1. Pilot project Gantt chart

The selection of the system developer has been finalised in December selecting the company ETEC Minds S.r.l.

The detailed design of the system has been completed in collaboration with the developer, leading to a partial review of the system architecture. Figure 2 provides the schema of the final pilot system architecture.

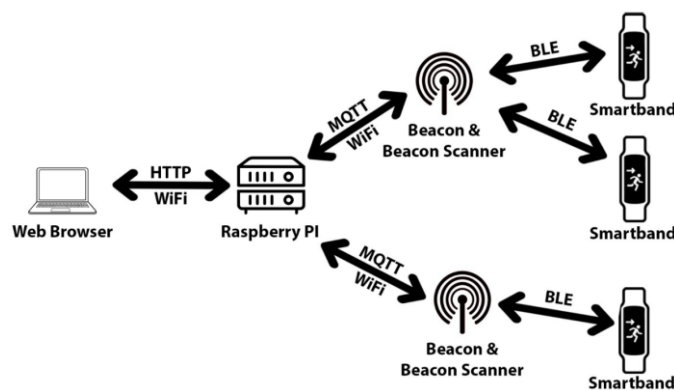


Figura 2 - Final pilot system architecture

The selected device for the pilot test is a programmable smart band. A first test of the guidance application and the beacon system has been carried out at UNITS on 16 February 2020 in order to check the current status of development and check the compliance with the technical specification. Figure 3 shows an example of the guiding system developed so far whereas Figure 6 show a beacon system.

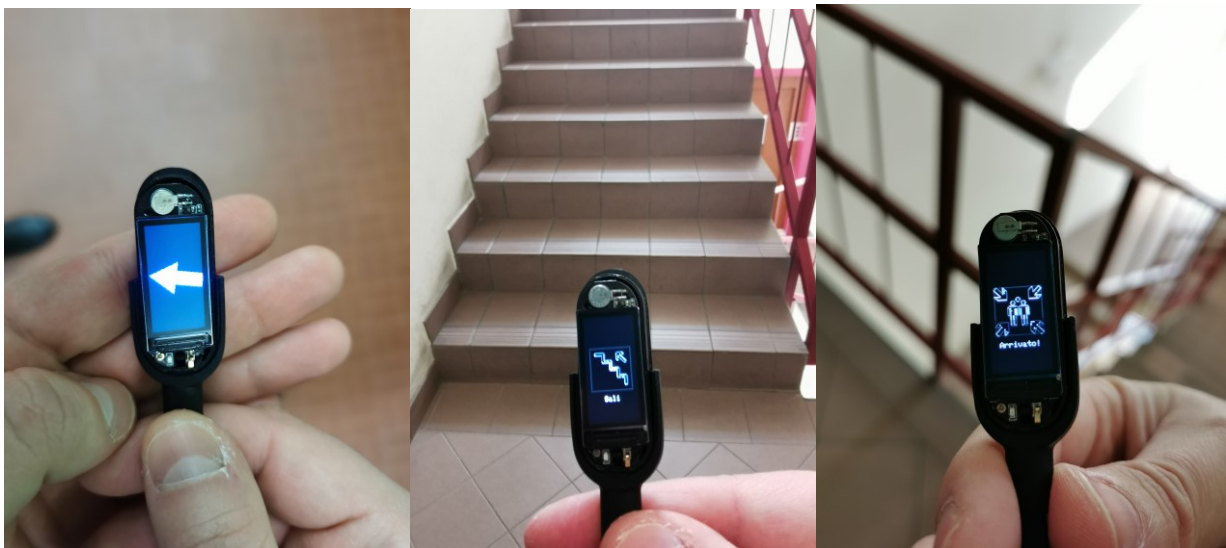


Figura 3 - Preliminary guidance system



Figura 4 - Beacon system

All the activities have been slightly shifted compared to the initial planning. This is due to some delay caused by the tendering procedure that has been carried out immediately before the Christmas holidays.

Moreover, the shipyard that is building the test ship has delayed the delivery, thus the slots available for the test with the sample population will be also delayed. Up to now, the agreement with the shipyard has not been signed yet. This is why detailed planning and scheduling of the test was not already completed.

Nevertheless, all the pilot project tasks are considered under control and no high-risk levels are foreseen.