



Expression of interest

Contact details

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Short description of the organisation/researcher/research group

Provide a short description of the equipment available, the relations with the industry, the profile of the main researchers

Bewell Technology is an SME, Information and Communication Technology (ICT) company established in 2017 in Eskişehir, Turkey to develop new projects, carry out R&D activities and provide appropriate software solutions to the various industrial partners. We have expertise in AI, IoT Technology, Data Mining, Data Monitoring and Management, and software development.

We use artificial intelligence techniques such as Machine Learning, Deep Learning, and Natural Language Processing to develop intelligent systems that minimize human intervention. In addition, we collect data from various sensors by using the Internet of Things Technology, which entered our lives with Industry 4.0, by working on the large data collected and creating the most appropriate model to develop a solution to the problem. We use Text Mining, Web Mining, and Data Analytics methods to analyze big data and make predictions on the developed model.

Specific skills and proposed activities related to the topic

Indicate the specific skills and competence in relation with « HORIZON-CL5-2024-D6-01-06: Optimising multimodal network and traffic management, harnessing data from infrastructures, mobility of passengers and freight transport” topic

Currently, we are developing a pallet tracking system. The solution proposed uses Bluetooth 5.0 technology to track devices arriving at or leaving air cargo warehouses. Within the scope of the project, it has been proposed to develop an add-on device to be added to traditional containers and pallets.

Bluetooth 5.0 module and rechargeable battery will be used in the device, which will be placed on pallets according to aviation regulations.

Devices in the role of Gateway, which will be placed at the designated points of the warehouses, will collect data on the pallets within the range. We believe we can contribute significantly to the call due to our experience in the pallet tracking system from harnessing data in an efficient and sustainable way to freight and passengers mobility management and also using new generation AI algorithms in the optimization of multimodal network and passenger mobility and freight.