

Digital Single Market

Video3 August 2012

FATE Project Video - Fall Detector for the Elder

The ultimate goal of FATE - FALL DeTector for the Elderly project is to widely validate an innovative and efficient ICT-based solution focused on improving the elder's quality of life by an accurate detection of falls in ageing people, both at home and outdoors. This will be done by implementing an accurate, portable and usable fall detector that runs a complex and specific algorithm to accurately detect falls, and a robust and reliable telecommunications layer based in ZigBee and Bluetooth technologies, capable of sending alarms when the user is both inside and outside the home. The system will be complemented by secondary elements such as a bed presence sensor or the i- Walker, an intelligent robotic walker, with the entire system ensuring successful prevention and detection of falls in all circumstances. The system will be tested and validated in 3 pilot studies involving real living scenarios, one in each of 3 different EU countries (Spain, Italy and Ireland), in close collaboration with the relevant public authorities (regional authorities in Spain, municipalities in Italy and National authorities in Ireland). For the sake of an efficient and significant validation, the pilot test will select 175 individuals with high risk of falling. The project is partially funded under the ICT Policy Support Programme (ICT PSP) as part of the Competitiveness and Innovation Framework Programme by the European Community.

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