Note: The information given in this document is still preliminary until partner contracts and funding allocations are finalised.

Project Information

Project Short Name	SOFTCARE
Project Full Name	SOFTCARE: Kit for Elderly Behaviour Monitoring by Localisation Recognition and Remote Sensoring
Project Reference	aal-2008-1-115
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Background of the Project

Traditionally, home monitoring systems have been based on alarms activated by the user (1st generation) and intrusive methods such as the use of video (2nd generation). At this stage, a 3rd generation of home monitoring systems is being developed, based on non-intrusive methods that do not require a manual activation of alarms and reduce the amount of active supervision from caretakers. However, existing home monitoring systems lack the capacity to detect new medical conditions under comorbidity. This issue affects elders in particular, since the number of elder people with chronic comorbid medical conditions is higher that in other groups of patients. Additionally, most home monitoring systems are designed to monitor one patient, being incapable of monitoring, for example, a couple of elders in the same home.

Visions and Objectives of the Project

The proposed SOFTCARE technology will use behavioural patterns recognition and ZIGBEE sensing nodes to create an integral system for home monitoring which will greatly expand upon existing home-based health monitoring system, as it will take into account more than one chronic condition. Based on their daily movement within the home and given their particular disease information and habitual behaviour, the proposed technology will detect abnormal behaviour and make expert medical deductions on the level of incapacitation and health status of the user. SOFTCARE technology will also be completely non-invasive. No cameras are incorporated and the information about the behaviour of the patient is gathered by using localization parameters and fed into a database which will detect anomalies.

Project Partners and Funding

Full name	Short name	Country Code	Type of Organization	Final granted budget in EUR
Centre de Recerca i Investigació de Catalunya S.A.	CRIC	ES	RTD	259.877
Capex Health Limited	CAPEX	UK	SME	160.028
Forschungsinstitut des Wiener Roten Kreuzes	FRK	AT	RTD	115.277,25
Ceit Raltec	CEIT	AT	RTD	94.830
Meshworks Wireless ltd.	MWW	FI	SME	77.500
			Total	**707.513**