

velti ✓



Velti

EU FP7 Research Project CHRONIOUS

Project Overview

Project full title: An Open, Ubiquitous and Adaptive Chronic Disease Management Platform for COPD and Renal Insufficiency

Total Project Budget: 10,5M Euro
Total Contribution from the EU: 7,2M Euro

Total Budget for Velti: 575K Euro
Total Contribution from the EU for Velti: 436K Euro

Project Partners

1.	TESAN S.p.A.
2.	Azienda Ospedaliera Careggi
3.	Universitat de Barcelona
4.	Universität Bremen
5.	Link Consulting, Tecnologias de Informação, S.A.
6.	SESA -commerce handelsgmbh
7.	DAP Noesis Business Solutions Ltd
8.	Uniscan Instruments Limited
9.	Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.
10.	CURE – Center for Usability Research & Engineering
11.	Solianis Monitoring AG
12.	MICRODATA ADVANCED TECHNOLOGY SA
13.	MIP Consorzio per l'innovazione nella gestione delle imprese e della pubblica amministrazione
14.	IXTENT s.r.o.
15.	FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS
16.	XLAB RTD raziskave na področju računalništva, d.o.o.
17.	Podjetniki incubator, d.o.o.
18.	CERETETH-BIOMED Institute of Biomedical Research and Technology

Project Description

CHRONIOUS addresses a smart wearable platform, based on multi-parametric sensor data processing, for monitoring people suffering from chronic diseases in long-stay setting. It is constantly monitoring their activity using audio observation methods and activity sensors while at the same time tracking their medical condition via vital signs sensors. Any trait of abnormal health status and possible alerting incidents are detected by CHRONIOUS Intelligence. The system generates alerts in case of invalid medical data or if current activity and behaviour lay outside the well established activity patterns and locomotion behaviour.

CHRONIOUS proposes an adaptive and ubiquitous chronic disease management system that offers continuous monitoring to patients by using several sensors either in a form of a wearable solution or scattered in the patient's living environment



and a series of “intelligent” services to healthcare providers and organisations that aid them in the monitoring of their patients.

An overarching goal of the proposed system is to underline and emphasize the partnership between technology-centered and human-centered sciences as technologies for sensing, computing and communications become increasingly ubiquitous.