



ESNC 2009

WINNER OF THE SPECIAL TOPIC PRIZE :: T-SYSTEMS

The Winners:

**Dr Thomas Schweizer, Dominik Wegertseider,
Nancy Gimpel, Klaus Roleff, Nils Böffel**

The Idea:

➤ **AiperCare - Monitoring System for Home
Care and Elderly Patients**

DESCRIPTION

In Germany alone, 2.25 million people are in need of care; 1.54 million of them are cared for at home. Many are supported by close relatives who need to be constantly aware of their wards' condition and activities and are constantly afraid that something might happen when they are not present.

AiperCare detects critical situations – such as when the person in care wakes up in the night or leaves the house – and locates the individual. The system also notifies care providers or relatives via text messages or other channels if certain conditions arise. This allows care providers to leave the house when their charges are sleeping, for example, and be notified in case anything occurs at home, such as if a person falls out of bed or wakes up and wanders aimlessly around the house.

The system consists of wearable hardware (a physical activity gauge, a localisation module and a data transmission module) and a back-end infrastructure.

INNOVATION

There are currently two types of emergency systems: conventional home emergency systems – which requires a person to actively push the emergency button – and standard location-based systems. AiperCare integrates the advantages of both of these solutions into one and adds the innovative function of detecting when the patient gets out of bed or falls down, which is especially helpful with those who are mentally unable to recognise their own situation.

TARGET MARKET

AiperCare focuses on close relatives and people providing care to people who need it, particularly those suffering from dementia, Alzheimer's, or other forms of reduced mental capacity. The solution could also be used in homes for the elderly. It is ready for integration into various service solutions and could be commercialised with service providers in elderly care and telecommunication infrastructure companies.

CUSTOMER BENEFIT

AiperCare provides an integrated solution to monitor persons in need of care. It meets the needs of both parties in care situations: the person in need of care, as well as the person providing it. AiperCare imparts a sense of security to those in care and gives close relatives more free time for social activities while remaining aware of the situation at home. This results in increased emotional security. AiperCare also makes new business models possible for providers active in the field of care for the elderly.



Contact:

Dr Thomas Schweizer
Aipermon GmbH & Co KG
Zamdorferstr. 100
81677 Munich
Germany

phone: +49 (0) 89 97 89 00
e-mail: Thomas.Schweizer@aipermon.com
www.aipermon.com

2nd Place:

"ANGELS: rapid and effective attention and information services in emergency situations"
Angel Martinez-Cavero & Juan Pablo Lazaro-Ramos, ITACA // Spain

3rd Place:

"Emergency crash detection, remote surveillance, and localisation"
David Worm, BodyTel Europe GmbH // Germany