

## MEDICAL CARE AT HOME INNOVATIVE HOMECARE-SOLUTIONS BASED ON THE PROJECTS "WOHNSELBST" AND "DAILY CARE JOURNAL"

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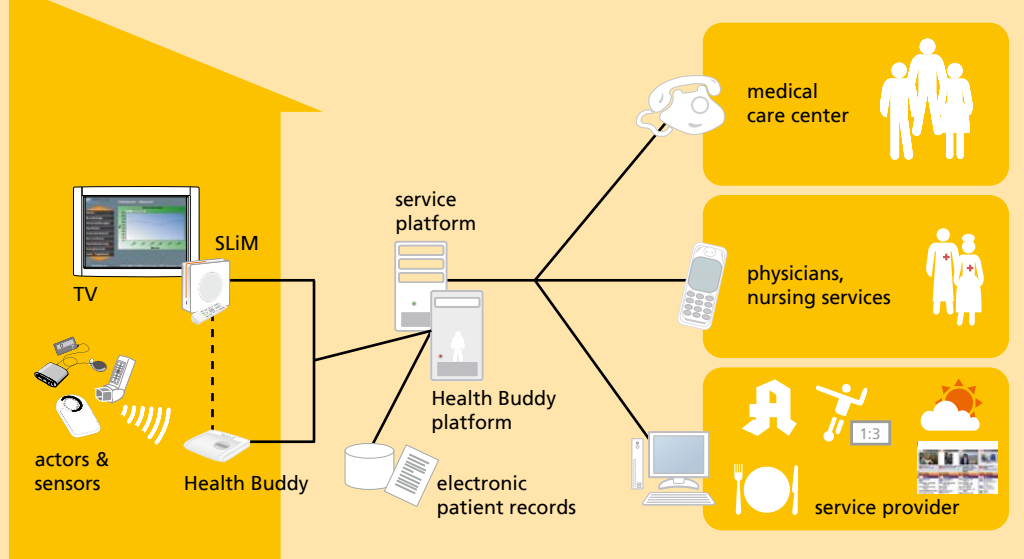
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### THE CLINIC IS COMING TO YOUR HOME

In the year 2035 more than half of the world population will be older than 50 and every third person will be older than 60 years. This change towards an aging society necessitates new forms of assistance – including microsystems and communication technology. Intelligent technical devices can help elder people to lead a self-determined life in their own homes and to improve communication with their social environment.

Intelligent technical systems and special services can support elder people to prevent diseases and to live as long as possible in their own homes. The projects "WohnSelbst" and "Daily Care Journal" present two solutions to realize such an assistance.



## WOHNSSELBST CLOSE-MESHED MONITORING FOR HIGH RISK PATIENTS

Intelligent technical systems and special services can support elder people to prevent diseases and to live as long as possible in their own homes. The project WohnSelbst was started against this background: It is meant to help detecting health risk and to take care of patients intensively and from an early stage.

Under the auspices of the Wiesbadener HSK Rhein-Main GmbH (Management Holding of the Dr. Horst Schmidt Kliniken GmbH) and in cooperation with the Wiesbadener Wohnungsbaugesellschaft (GWW) the telemedical pilot project aims to enable chronically ill people to live for a longer time healthily in their familiar environment. Basic elements of this pilot project are a voluntary periodic medical checkup within a health protection program as well as medical measuring instruments (blood pressure meter, blood glucose meter) that are available for the tenants of the GWW free of charge. Supported by those technical devices the state of health of the tenants is being monitored in their homes – prophylactic and therapeutically. In this way, they can live in their own homes without worrying and they obtain optimal medical attendance, despite spatial distance. This is possible, due to a telemedical competency center of the HSK Rhein-Main GmbH,

which connects the participants of the project with medical personnel around-the-clock.

This kind of project is singular in Germany. In the first step it targets elder people with chronic diseases, e.g. diabetes, obesity, or coronary heart diseases. People with a higher risk for those illnesses also belong to the target group of WohnSelbst.

Within the context of the project WohnSelbst the apartments will be equipped with networked technological building blocks, adjusted to the individual needs of each user. Some of those are blood pressure meters, medical scales or blood glucose meters. A TV set serves as medium of communication, which is connected with the competency center and medical staff via a service platform. The existing physician-patient relation persists, but the contact becomes easier. The project resorts purposefully to existing assistance systems – especially to those based on microsystems technology – and on related norms and standards and aims to develop further approaches.

The objective of WohnSelbst is to develop a privately financed operating concept, which will not depend on subsidies from the social insurance system. After successful development and testing within the project, this concept is meant to be brought to market across Germany.

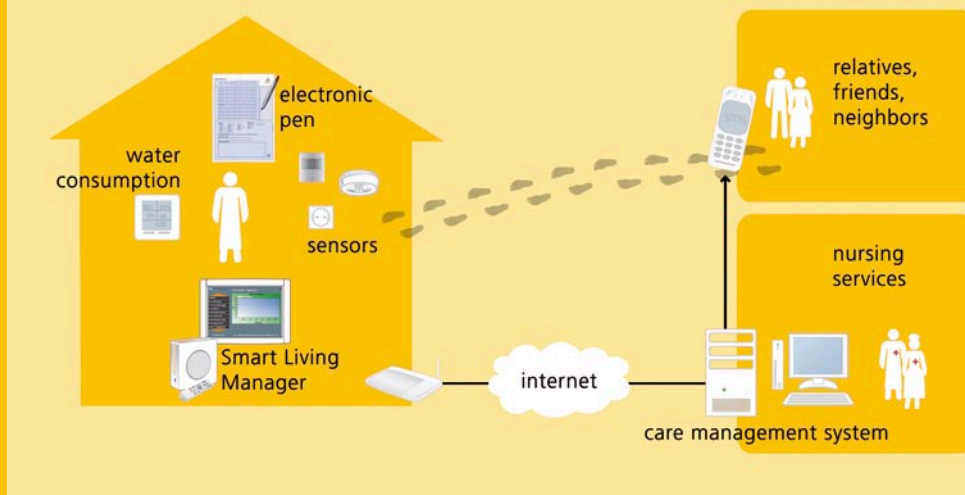
### Project partner

- HSK Rhein-Main GmbH
- GWW Wiesbadener Wohnungsbaugesellschaft mbH
- Breuer GmbH & Co. KG
- Robert Bosch Healthcare GmbH
- DKE Deutsche Kommission Elektrotechnik Elektronik Informationstechnik im DIN und VDE
- VDE Prüf- und Zertifizierungsinstitut

### Project data:

program »Altersgerechte Assistenzsysteme für ein gesundes und unabhängiges Leben – AAL« (Age-based Assistance Systems for a Healthy and Self-determined Life – AAL)

WohnSelbst: support code V3AAL113  
runtime: 10/2009 – 9/2012



## DAILY CARE JOURNAL DIGITAL AMBULANT NURSING DOCUMENTATION

Healthcare and geriatric nursing in the most cases take place in the homes of the patients in need of care. Care and medical attendance is being assured by numerous caregivers – from professional nursing staff and physicians up to relatives and neighbors. As yet, this type of collective nursing does not work ideally due to lack of communication and data. With the “Daily Care Journal”, the Fraunhofer ISST and partners aim to achieve an integrated assistance and care documentation, which gathers all pieces of information on medical, nursing and routine services, provided by one of the caregivers. In order to make documentation easier with the help of technical devices and to provide individual access for each caregiver, data and information are being registered and displayed in the same place where they accrue: in the home of the care patient.

Technical devices are a digital pen for data entry and the TV set for data display. In this way, the project consequently applies known devices that can be easily handled by all involved persons.

### Project partner

- euregon AG
- Johanniter-Unfall-Hilfe e.V. Landesverband Niedersachsen / Bremen
- aibis Informationssysteme Potsdam GmbH
- Telematic Solutions International GmbH

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