

We are interested in Partnerships:

- ✓ You can use our Telematics Platform to host your applications. This is the way to real products.
- ✓ The Telematics platform performs the following tasks for you:
 - Data Encryption
 - Secure Data Storage
 - Suitable Visualization
 - Online as web-based application
 - Administration and Authentication of users
- ✓ You can use our telemedical applications or order one meeting your needs. Adaptations can be done according to your requirements.
- ✓ Do not hesitate to contact us for any partnership wish.

A sample of projects in which we are partner:

- ✓ FEARLESS/AAL: Home assisted living for elderly
- ✓ eHealth-MV: Fitness and Stress Monitoring

A sample of our strategic partners in health area:

- ✓ Artificial life, inc.
- ✓ Institute for Preventive Medicine, Rostock University, Germany
- ✓ Institute for Automation Technology, Rostock University, Germany
- ✓ Clinic for Skin Diseases, University of Greifswald, Germany
- ✓ Clinic for Diabetes and Metabolic Diseases, MEDEGREIF, Heringsdorf, Germany
- ✓ Hospitals in China (Beijing, Changsha, Guangzhou)
- ✓ United Arab Emirate Ministry of Health
- ✓ Novo Nordisk, Denmark
- ✓ Diagnostic Clinic of Houston, Texas, USA
- ✓ University of Alabama, Huntsville, USA
- ✓ M-Health. South Africa

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Diabetes Management System with Infokom



Mobil Dial[®]

"Mobil Diab" application is a mobile and innovative solution for assistance and medical care of diabetes patients. Self-monitoring of blood glucose is an important part of diabetes care. Therefore, the idea of this system is to involve the patient in the therapy process and motivate him for an active cooperation in the treatment process. The patient is then able to manage and send his blood glucose measurements, information related to insulin injections or pills, information on nutrition and physical exercises to the telematics central system through the mobile application implemented on his cellular phone or through a web-based application. The medical doctor has then the possibility to control his patients independently of time and location and he becomes capable of adjusting the treatment methods in critical situations any time. Fig.1 illustrates the system overview.

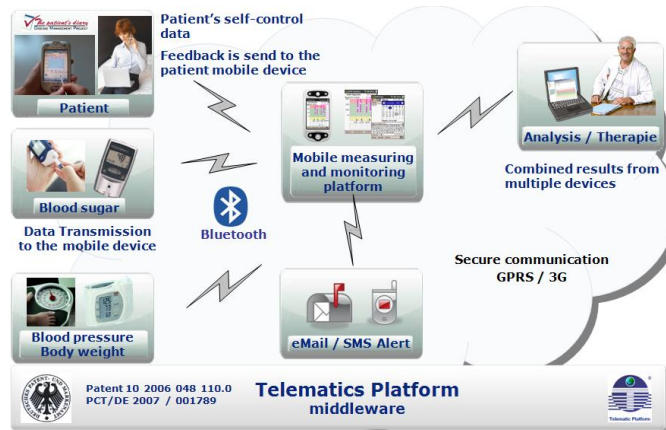


Fig. 1. Mobil Diab, System Overview

"Mobil Diab" Features

- ✓ Multi language application (German, English, Chinese, Portuguese, French)
- ✓ Simple and user-friendly interface for data entry, use of different devices for entering data (Pocket PC, Cell-phones and Internet web browser)
- ✓ Sending data to doctors or health-care professionals (encrypted and password-protected)
- ✓ Easy message system for direct communication between the patient and doctor
- ✓ Suitable view (table and graphic) of data on Pocket PC, Patient Portal and Doctor Portal
- ✓ Report of the patient data in PDF format can be generated from Doctor Portal
- ✓ Matching of data independently from time and location with the telematics platform
- ✓ Administration level available:
 - a. Administration Portal: Administration of several hospitals
 - b. Hospital Portal: Administration of doctors and patients belonging to a hospital

The graphical user interface of the mobile phone application and the respective functional executions are developed as illustrated in Fig.2. Just three simple steps are needed to send data to the system and make these available for registered physicians and medical doctors.



Fig. 2. Mobil Diab, Mobile Phone Application-GUI

By clicking on the assistant button (+) shown in Fig.2, the patient is guided through the three main steps automatically. The first step consists of filling in the blood sugar measurements; the choice between mmol/l and mg/dl is possible. The second step consists of adding the nutrition part. Meals description, bread units, subjective mood and current activity are optional fields in this step. The third step is the filling of the insulin units number injected. In this step, the time, insulin name, insulin units and insulin type are to be filled in. At the end by clicking on Start (Fig.2) these data are transferred to the Telematics Platform.

The telematics platform is conceived in a modular way. Modules responsible for different tasks are implemented on the Telematics platforms as illustrated on Fig.3. This enables an easy extension of other new modules to our platform.

Four online portals are available: the Patient Portal, Doctor Portal, Hospital Portal and an Administration Portal

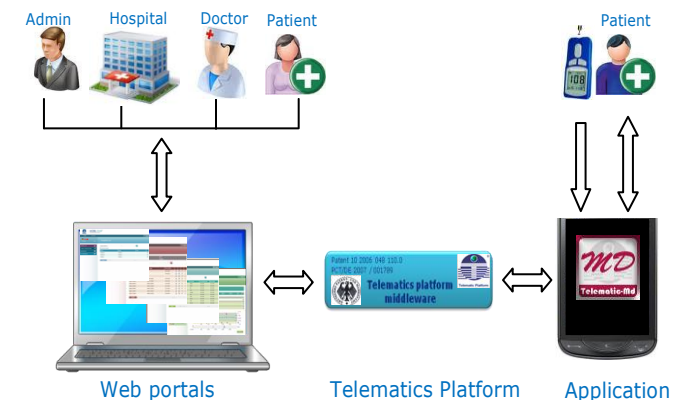


Fig. 3. Mobil Diab, Implementation on the Telematics Platform