

# InspectLife

*Web information system for telecare and telehealth*

**Mediinspect**

**[www.mediinspect.cz](http://www.mediinspect.cz)**

**[www.inspectlife.cz](http://www.inspectlife.cz)**

2014

# Agenda

- Who we are – introduction of Mediinspect company and key partners
- What we do – InspectLife solution for telecare and telehealth
- For whom – elderly people, chronic patients and people who take care of them
- Which benefits we offer for client users
- Main components of InspectLife solution
- InspectLife Surveillance – surveillance assistance service
- InspectLife Surveillance – solution for caregivers
- InspectLife Diabetes – solution for telemonitoring of diabetic patients



# Mediinspect

*„Where technology helps people“*

Mediinspect is a technological company which is developing specialized web information system **InspectLife** for providing telecare and telehealth in cooperation with professional partners

- 3rd Medical Faculty of Charles University (Prof. Michal Anděl, M.D.)
- Czech Diabetes Society (Prof. Michal Anděl, M.D.)
- Czech Alzheimer Society (Assoc. Prof. Iva Holmerová, Ph.D.)
- Život 90 – assistance and surveillance services provider
- EuroCross – international surveillance center

## What we do

“ **InspectLife** solution for **telecare and telehealth** services

## With the aim to be

“ **Overall, open and flexible** web information solution  
for support in providing surveillance assistance services and telemedicine  
especially for elderly people and chronic patients

# For whom we are developing InspectLife solution

*From the point of view of end-recipients of services*

- Elderly people
- Chronic patients
- Family members

*From the point of view of professional users*

- Operators at surveillance assistance centres
- Physicians and medical staff

## **Why ?**

- Number of end-recipients of services is growing
- Need for improved quality of life
- Need for spending less time and expenses
- Technological progress and availability of ICT is growing

## **Which benefits we offer for client users**

- Preservation of independence
- Improvement in self-sufficiency and safety of clients
- Improvement in quality of life of clients
- Improvement in social contact and communication
- Improvement in quality of health care and comfort for chronic patients

# Main components of InspectLife solution

## InspectLife

Assistance services

Ambulatory monitoring of physiological parameters

Blood glucose

Blood pressure

Body weight

Other



Clients



Patients



Family



Assistance  
desk



Healthcare  
professionals



Emergency  
services

# InspectLife Surveillance

“ Solution for **surveillance assistance** services

## In which situations can help?

- “
- Client has acute health problem or he or she feels to be threatened
  - Client fell suddenly and he or she is not able to help himself or herself
  - Family member is worried about actual state of client



# InspectLife Surveillance – solution for caregivers

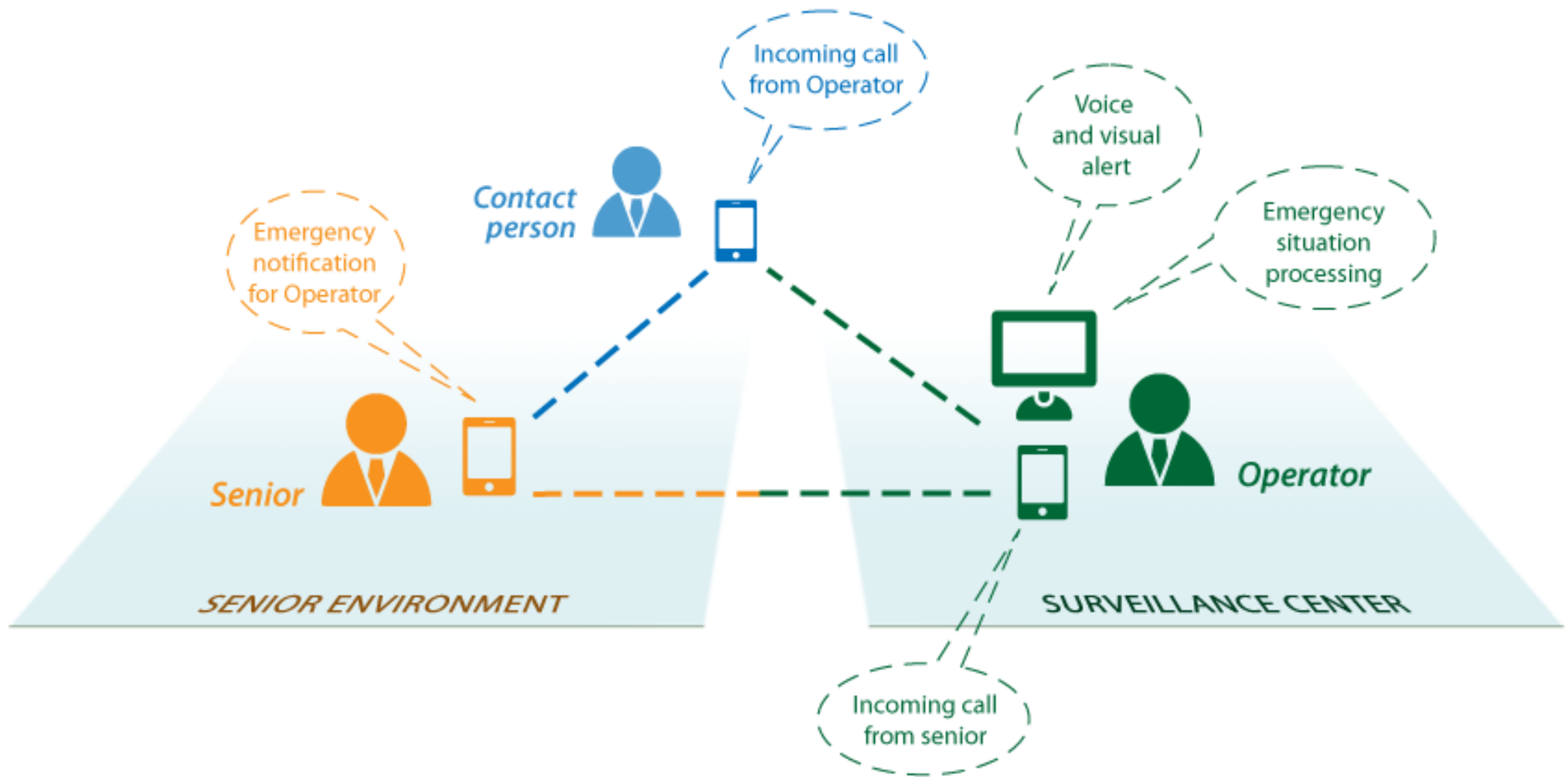
**Effective support solution** to providing care for clients, especially:

- Homecare agencies
- Providers of surveillance assistance services
- Surveillance centers

**Main components of the service** for caregivers:

- Nonstop monitoring of client's state
- Detection of actual data about client useful for provision of healthcare
- Administrative support

# InspectLife Surveillance – how it works



# InspectLife Surveillance – user interface

## Event: Possible fall – Name Surname

### Event description

Name of the event:	<b>Possible fall</b>
Recorded:	16. 4. 2012 19:33:51
State:	in process
Telephone of client:	123 456 789

### Surveillance parameters

ID:	3
Client:	<b>Name Surname</b>
Start:	1. 4. 2012 12:00
End:	11. 4. 2013 23:00
Sex:	female

### Surveillance notes

\* Status:

public

Note:

Mapa Satelitní

Port lacquarie

**Last known location.**

Client: Name Surname  
Time of measuring: 6. 4. 2012 19:33:51  
GPS: 35.27116784S, 149.12265083E

Google

Data map ©2012 GBRMPA, Google, Whereis(R), Sensis Pty Ltd - Podmínky použití

# InspectLife Surveillance – supported surveillance devices



Senior mobile phone  
Aligator A340/A420/A430



Surveillance assistant  
Laipac Lola



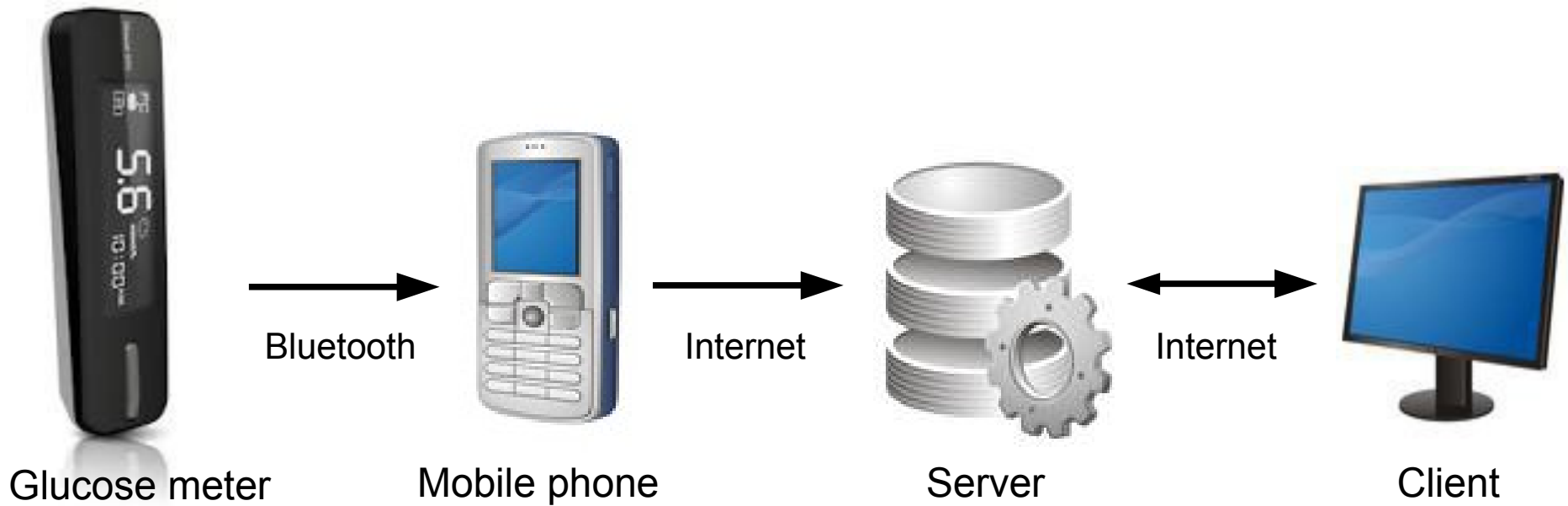
Senior mobile phone  
with SOS bracelet  
MaxCom

# InspectLife Diabetes – telemonitoring of diabetic patients

## *Requirements of diabetes clinical practice*

- Primary prevention
- **Monitoring and specification of individual optimal treatment** of diabetes and associated diseases (obesity, hypertension...)
- **Longterm optimal compensation of diabetes** with minimal extrem values
- Secondary prevention of serious health complications
- Education and everyday support of patients and family members
- Communication between patients and physicians

# InspectLife Diabetes – schema of data acquisition



# InspectLife Diabetes – preliminary results

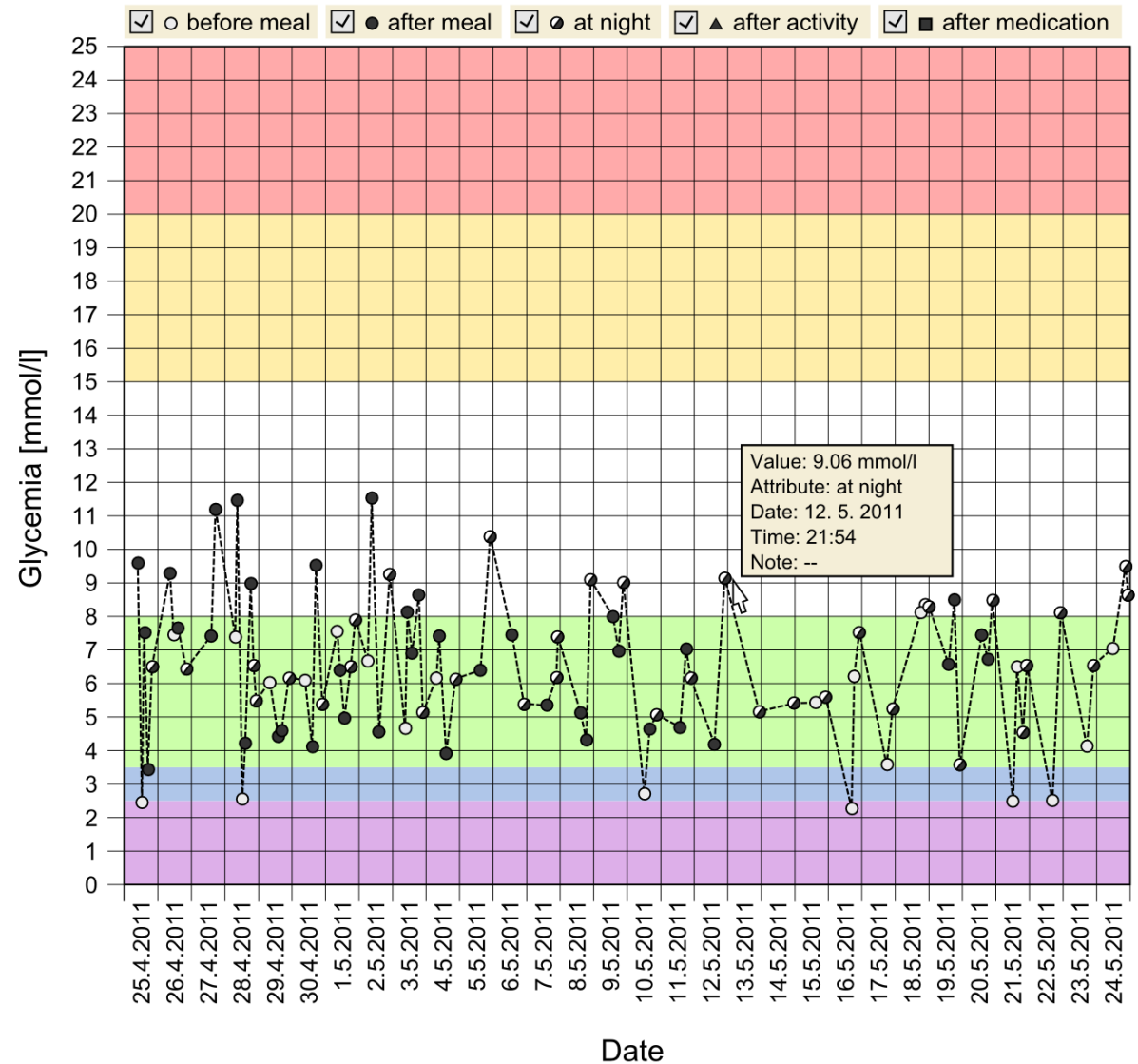
## Diabetic patient

- Diabetes Mellitus Type 1
- Age 37
- Telemonitoring during pregnancy

## Benefits

- Immediate contact with attending physician from home
- Availability of actual and exact values of blood glucose
- Better compensation of diabetes during telemonitoring period

Detailed graph of glycemia (25.4.2011 - 24.5.2011)



# Thank you for your interest

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