### Flexible Integrated Medical System History of a Project

#### László Zsonda, MD Head physician

Creator of the system

Owner of licence

Internal medicine, pathology and emergency head physician

This project has been awarded the Gold medal at the World Licence Exhibition and, also, has received several other prizes.



#### The Prime Minister of Hungary, Mr Viktor Orbán congratulates to Mr Zsonda

2002.

The Prime Minister of Hungary congratulated to Mr László Zsonda on the international success of this project..



# Congratulations by the Former President of the Hungarian Republic, Dr Árpád Göncz

Following his international success on the project Mr László Zsonda was invited by Dr Árpád Göncz, the President of the Hungarian Republic



#### Appreciations from Prof. Dr. EdeTeller, Nobel-Prized Nuclear Physicist

Mr Ede Teller is giving some useful pieces of advice to Mr László Zsonda on the developing of the consulting system and is assuring him of his support



#### The American-Hungarian Medical Association

Prof. Dr. Péter Forbáth Dr. Sándor Matolcsy Prof. Dr. William Ganz

The leaders of the American-Hungarian Medical Association paying attention to the progress of this project.



#### Dr. Árpád Gógl Árpád and Dr. István Mikola, Former Ministers of Healthcare in Hungary

Mr Árpád Gógl and Mr István Mikola, former Ministers of Healthcare in Hungary, also paid special attention to the evolution of the telemedicine project.



#### Farkas Bertalan Hungarian Astronaut

Mr Bertalan Farkas, our one and only astronaut up to now, has been very interested in the aviation's and astronautics' medical aspects of the project.



### Flexible Integrated Medical System An International Success

## The project has already been presented on several American scientific conferences

The presentation of the project arousing interest of the audience



#### Succesful Presentations of the Project at Other International Scientific Events

- Saudi Arabia
- Czech Republic
- Ghana
- Iran
- China
- Romania
- Spain
- Slovenia
- The Ucraine



### Flexible Integrated Medical System The System

The basis of the system is a plastic card that contains all important data of an individual user and, also, it is considered to be the main identifying means for a patient

Front view

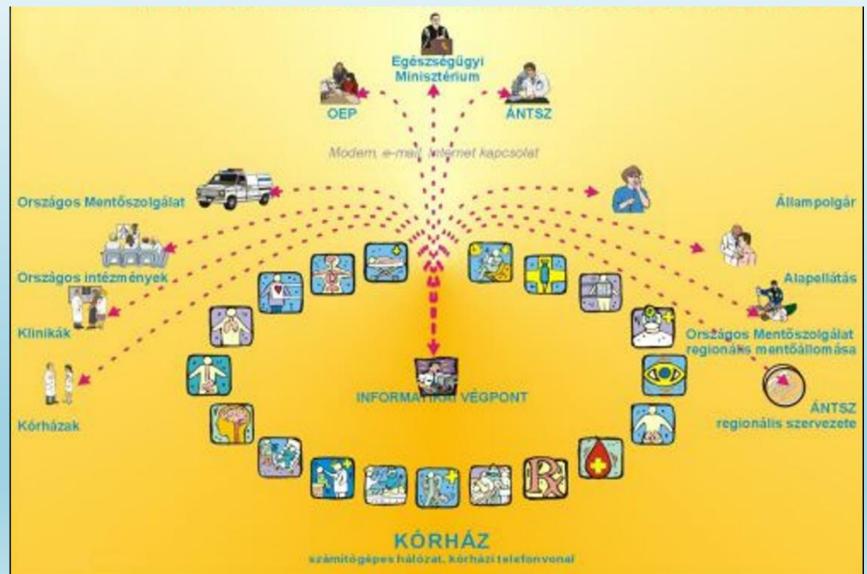


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Születési	hely:		
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Lakcím:			
Hozzátar	tozó neve:		
Hozzátar	tozó tel:		
Háziorvo	s neve:		
Háziorvo	s tel:		
Telefon:	+36/42/278-096	Fax:	+36/42/200-568
Mobil:	+36/30/631-9726	E-mail:	szivor@szivor.hu
Mobil:	+36/30/606-9103	Web:	www.monasystem.hu
A kártyát a	HUNGAROMED-Group Kft. á juttassa el az alábbi címre		nyiben talál egy kártyát kérem Hősök tere 7/A.

**Back view** 

#### The structure of the system

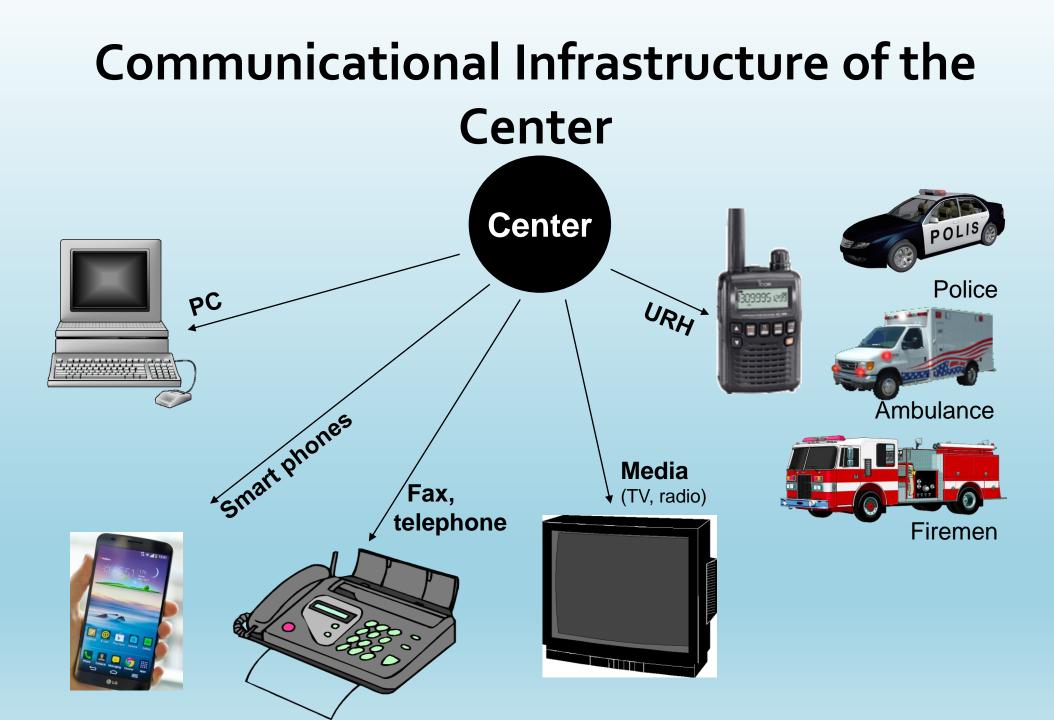
The system is able to interact with the IT systems of various healthcare institutions. All individual units of a healthcare system (national/internatio nal) can be contacted, including hierarchic units of those.



#### The International Healthcare Consulting Center in Tiszalök (Hungary)



This is the International Healthcare Consulting Center every healthcare alarm signal comes into.

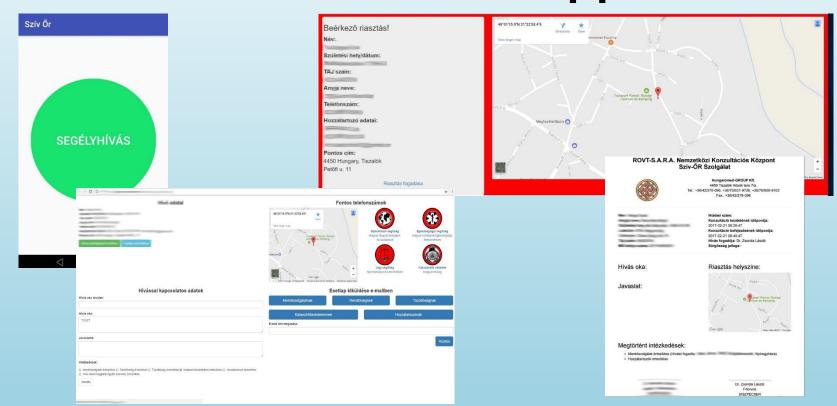


#### **Contacting Individual Users**



Individual users will be able to send results of medical analyses/examinations to the center and get professional medical assistance.

#### Our User-Emergency System The 'Heart-Guardian' Application



The application - downloadable on smartphones - makes our center contactable any time. The Center, based on data received from the application, will locate the patient geographically (GPS).

#### **Processing of Incoming Results**



The Consulting System is able to provide all divisions of national/international healthcare with consulting services

### Flexible Integrated Medical System Special cases

#### Transportation of Personnel and Transportation of Freight

Our Consulting System is able to offer its services to personnel and freight transportation companies all over the world.



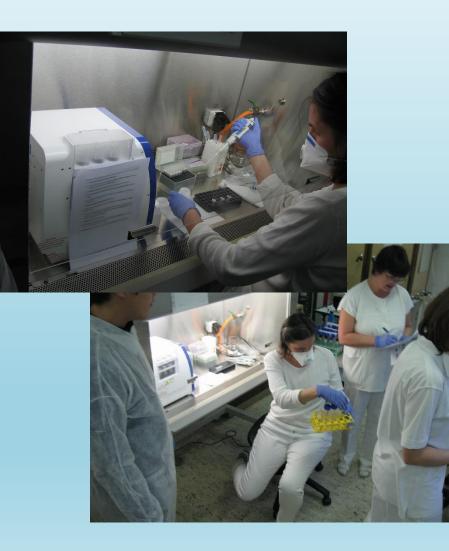
#### **Outbreaks and Disasters**

Our Consulting System is able to provide those in need with healthcare services even in critical situations like outbreaks or disasters.





#### **Immediate Diagnose of Infectious Diseases**





Our system ensures all healthcare institutions connected to it will be able to establish quick diagnoses of infectious diseases if occured.

#### **Our System in Military Environment**



### Flexible Integrated Medical System Data safety

#### Data safety

- Our central database is stored on a server which has got a multi-protective function as well. Thank to that function access to the system is only allowed through securized contact elements (HTTPS, SFTP, VPN).
- While creating the database we took proper care of separating the various divisions. That means no single application is able to require all data of an individaul patient at a move. Access to data is only allowed within the necessary limitations of a certain case.
- The applications dispose of neither ways of accessing the database nor of access data.
- In every single case the applications communicate with the central server with the help of API keys.
- On a 4-time daily basis a backup saving of the database is done onto a backup server which exists only on this purpose and it is inaccessible from the outside.

# Thank you for your kind attention!