



Remote Medical Solutions

Digital Healthcare Solutions

What we do

We create solutions in digital healthcare and tele-diagnosis, designed as a set of services which move information rather than people. We want to improve general health of people providing rapid effective remote healthcare at an affordable cost. Our aim is to reduce the time and cost of public and private healthcare through remote diagnosis and the distribution of drugs.

We want to get patient closer to physician and pharmacist, increasing the number of diagnosis performed and the distribution of drugs needed, improving prevention and control of general public health.

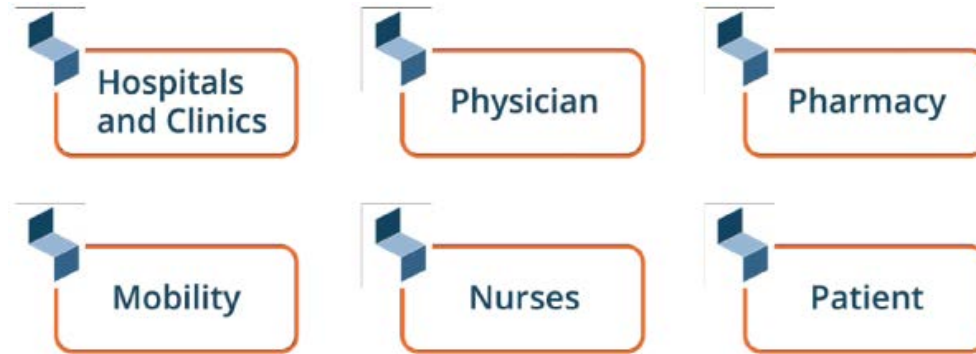
Our tools: the management software, telemedicine products and a set of devices.

SOFTWARE

Solid, flexible, safe, certified.

Strengths

- Digital acquiring of data is made through a patented gateway of ours enabling even a physician without digital skills to use complex devices.
- Performing remote diagnosis with spread diffusion of healthcare assistance on the territory
- Monitoring chronic patients, monitoring post hospitalization and post visit in remote
- Digitally prescribing drugs and therapies
- Managing patient clinical data simplifying administrative aspects of healthcare assistance
- Cloud based storing of video-visits and medical reports, for physician and patient safeguard
Connecting physicians via encrypted and certified media;



ONE PROCESS FOR EACH NEED

Based on the MD Data Management Platform we have developed specific solutions for each health sector. After having analyzed each process and related issue, we achieved a set of products that help to improve and simplify the work and the quality of service provided to patients. Solutions are associated with instruments that meet the different needs of each area.

It is always possible to create tailor-made solutions.

RHS Equipments



PRO



Compact



Case



Light



Mobility

From concept to equipments

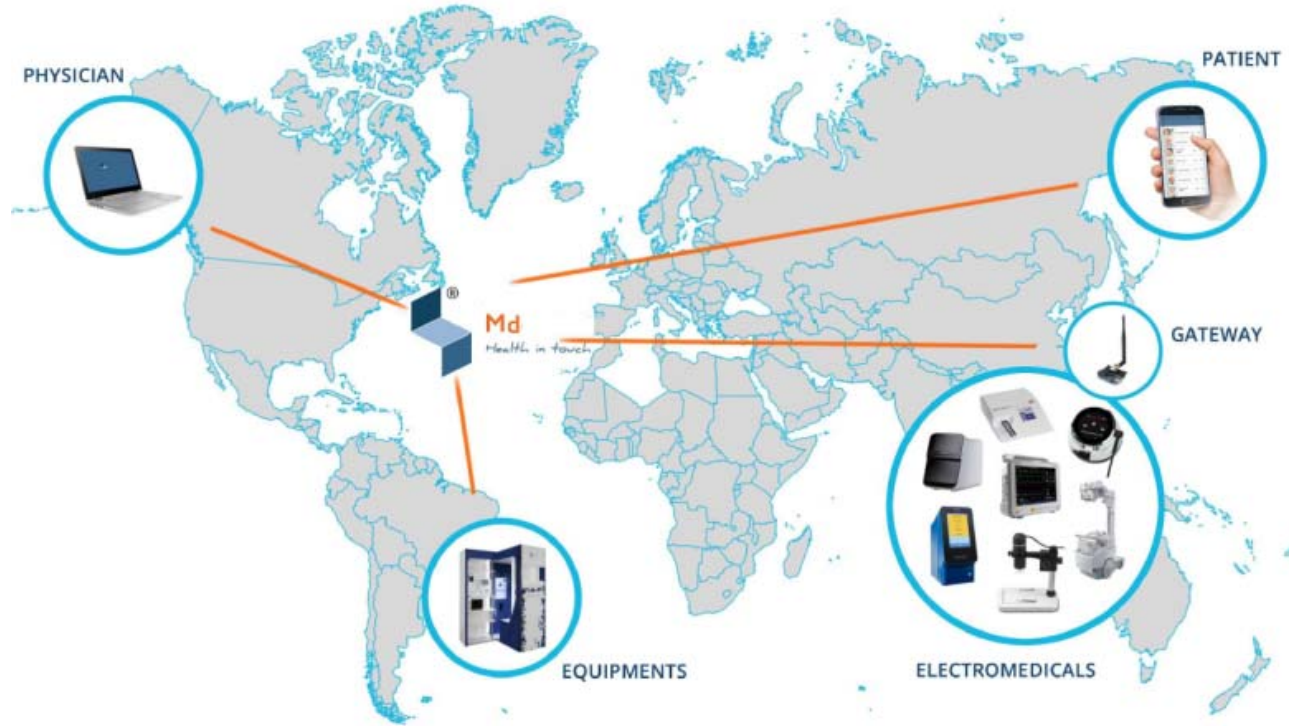
The equipments are flexible, adaptable to different applications and integrable with electromedical devices necessary to perform the required functions. They were all made paying attention to compliance with the characteristics and claims contained in the patent.

Electromedicals



All the devices are selected upon a self-analysis standard, in order to avoid problems with operator skills related to the proper use, the correct acquisition of data and the possible risks of the procedures themselves. Data are directly collected from devices, and displayed on the remote monitor, recorded, and stored in order to connect them to the correct patient without the possibility of human error. Beyond a basic set provided, it is possible to connect further devices, even complex like an x-ray device, through a patented gateway. Our software allows the physician to use one only management software instead of training to many different ones, each for a single device. Flexibility of hardware and software, is the key to possible future customizations.

Network



CONCEPT - International Requests

The concept, with its global reach, has already had international approvals.

Nations where distances and logistical difficulties dramatically affect the delivery of effective healthcare assistance have expressed an interest in our

system. Kazakhstan and Moldova like our project of a special all-terrain vehicle

equipped with our unit to reach distant cities in all-weather conditions, complete with drug dispensation. In the USA, Animedix and CareportMD (according with a big grocery company) are using 5 of our RHS Pro to perform

24/7 medical visits. The Philippines must cover a territory of over 7000 islands where most of the population has never met a physician. We have just taken the initial steps to implement the use of our RHS System in that country.



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Why it matters for you

- 1 World population is getting older and in increasing need of healthcare.
- 2 Diagnosis accounts for 70% of global expenditure for healthcare.
- 3 New information technologies are the only solution to support healthcare current needs
- 4 From today's 4.4 billion euros it's estimated to jump to 21.2 billion euros of global turnover in the next 5 years (over 400%).
- 5 The related savings, resulting from tele-medicine application and monitoring of remote patients, are estimated to be about 36 billion euros within 2018.

Application samples, experiences

ITALY

On February 2016 has been installed the *HIPPOCRATES solution equipped with RHS PRO unit* at an medical practice in Rome. Over less than one year 1.000 patients have used the unit and have been performed over 1.300 tests (blood, urine etc.). The presence of *HIPPOCRATES* has contributed to obtain the “white code” (simplest medical cases) management during the summer season from the Local Community Health Unit (Governmental health managing Agency). Can be reported two cases where the quickness of blood test has highlighted serious anomalies, allowing an immediate hospitalization for the patients, saving their lives.

USA

The *IGEA solution equipped with RHS PRO unit* in the pharmacy department of 5 big grocery store.

Linguistic issues are solved connecting physician speaking the same language of the patient, also through a certified translation service in real time. Furthermore the APP property has been implemented within the MD environment, harmonizing the different services performed by both systems.



Potential Market Application

PUBLIC SECTOR

GOVERNMENTAL HEALTH DEPARTMENTS

Hospitals
 Governmental health assistance
 Basic Physicians
 General Practitioners (GPs)
 Medical Doctors (MD) Emergency
 Medical Services Temporary Medical
 Services Medical Services in
 remote areas
 Universities
 Penitentiaries

ADMINISTRATIVE DEPARTMENTS

Local administrative departments (Municipality, prov. etc.)
 National Reserves and popular tourist areas
 Embassies and Consulates

TRANSPORTATION INFRASTRUCTURES

Ports
 Airports
 Main Train and Bus Stations

PRIVATE SECTOR

INTERNATIONAL NON PROFIT

ORGANIZATIONS (NGOs)
 Red Cross, Caritas, Unicef, Fao etc.
 Emergency Medical Services Temporary
 Medical Services
 Medical Services in remote areas
 Religious Institutions, Cultural Institutions

PROFIT COMPANIES

HOSPITAL STRUCTURES

Private Hospitals
 Specialized private clinics
CULTURAL STRUCTURES

Private Universities
 Senior Comprehensive Schools

DIAGNOSTIC STRUCTURES

Diagnostic laboratories
 Basic Physicians
 Private Medical Consultants

DRUG ADMINISTRATION STRUCTURES

Pharmacies and similar
MANUFACTURING AND SERVICES

INDUSTRIES

Oil and gas plants
 On and off-shore wells
 Transformation plants
 Mining Companies
 Quarries and mines
 Big industrial plants in remote locations
 Industrial areas with a vast number of
 plants
 shipping mercantile Companies
 Insurance Companies
COMMERCIAL STRUCTURES
 Big malls and shopping Centers
SPORT STRUCTURES
 Gym chains
 Big Sport Arenas
 Fitness and leisure structures

Specific Market Application

MILITARY ENVIRONMENT

Ambulance: using our solution implemented on ambulances, it can be performed a more accurate check of the patient in case of emergency; beyond the simple acquisition of vital signs, the same data can be sent to a specialist at the healthcare facility in order to have the correct indications for the prompt treatment via video communication, if needed, or better to prepare the specific ward to address the patient at the arrival, even bypassing the ER.

Quoting a similar case, the Pontina Heart-attack Network (Rete Pontina dell'infarto), a network of communication between ambulance and facility, has dramatically reduced the mortality cases for heart attack within few years of activity (<http://www.studio93.it/la-rete-per-linfarto-miocardico-acuto-di-latina-come-modello-per-lintera-regione/>).

Military base: as well as the mobile solution, our system can be implemented both at permanent and temporary medical facilities. The system allows to move informations about a patient even in a peace scenario, while operating on usual work: the monitoring of military workers during their normal activities can be performed accessing to a booth for routine controls, especially if operating near a temporary facility, in connection with the reference doctors located i.e. in a central hospital.

OTHER APPLICATIONS

Prisons: the transfer of medical information can occur also in case when moving the patient involves logistic difficulties. Prisons are locations where a possible patient has a basic healthcare and his transfer entails the use of various people and means to assure the correct operation, especially when it must be certain the individuation of a disease that could be a false alarm, or worst when an alert could be disregarded for condescendence or negligence.

A fast check can make difference between life and death and, last but not least, cost and saving.

Airports and tourist facilities: the availability of our booths at great facilities like the airports could give an impulse to travel to many of those who are afraid to move even for a tour. Population is growing in age and many travellers are old, often with chronic diseases: the obstacle to move is mostly represented by the lack of a correct health assistance distant from home. Thus becomes important to have a correct monitoring and assistance when far from one's physician: "... bring your doctor with you on vacation..." could be the claim to push older people to make a travel with the certainty of a remote assistance by their own practitioner or specialist. Furthermore the clinical records, always available on cloud, can put any physician in the correct position for a possible diagnosis, basing their assessment on the unknown patient anamnesis.

Why it will succeed

- 1 Drastic reduction of time employed for the basic health screening.
- 2 General cost saving for diagnosis elaboration.
- 3 High level performances of tests and surveys, perfectly overlapping to bigger chemical lab tests.
- 4 Improvement of physician professionalism, more accurate diagnosis, closer contact with the patient.
- 5 Availability of further incomes for the physician and/or the clinic.
- 6 Implementation with existing administrative software in healthcare environment.
- 7 Simplified operations of visit and diagnosis processing.



RHS Pro

We connect Doctors and Patients

The ergonomic workstation RHS pro works as an interface between patient and electromedical equipment.

The standard sizes are: H. 220 cm, L. 220 cm, P. 150 cm.

The station has been designed in three sections: administrative and patient reception, video-visit and electromedical containment.

The seat, fully padded, is inclined 30 ° for optimize patient analysis tests.

Inside there are standard: a laptop, keyboard, printer, monitor 28 "Full HD touch-screen, card reader, fixed webcam with integrated microphone, refrigerator, meter height, sound system, lighting system, wiring, sound system, lighting system and management software Md.





On the left side there is the housing of electromedical devices.

In the picture there are:

12 "patient monitor, multiparametric blood analyzer, ECG, urine analyzer, blood count analyzer.

It is possible to insert electromedical devices of any type, such as: scale, HD camera, pressure meter, pulse oximeter, thermometer, glucometer, digital stethoscope, RX, echograph, Tac, etc.



The operator finds each equipment in the correct position.
In the photo you can also notice the pressure gauge.



On the back of the seat there are the consumable compartment and the fridge containing the reagents or any component necessary for the operator to perform a proper analysis.



The rotating element favors the use of electro-medical devices, specifically: pressure measurement and blood analysis.



In the picture, another example of electromedical arrangement, specifically: 6 leads ECG, otoscope, HD camera, glucometer, digital stethoscope.



At the end of the visit it is possible to manage, through specific peripherals, the administrative and economic aspects (credit card, health card). Receipts, report invoices, diagnosis of doctors can be sent by e-mail to the patient.



RHS Compact

The RHS Compact works as an interface between patient and electromedical equipment.

Standard dimensions H. 194 cm, L. 52.0 cm, B. 47.7 cm,

The station is designed to make video-visits and ergonomically contain electro-medical devices.

A physical extension is also available consisting of a administrative / operational desk.

Inside there are standard: laptop, printer, card reader, fixed webcam, refrigerator, wiring, HD camera, gateways, containment drawers, Md. management software.

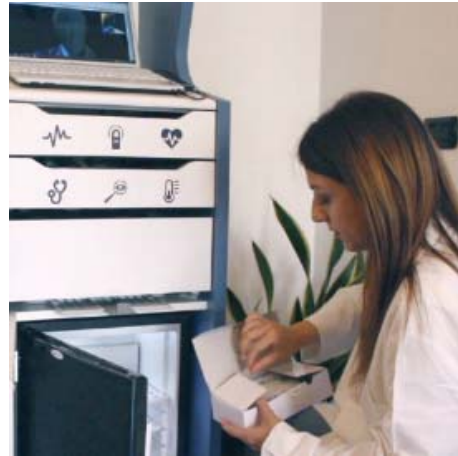


In the picture you can see: patient monitor 12 ", multiparameter blood analyzer, HD camera, urine analyzer and in the relevant compartments are present: pressure gauge, pulse oximeter, thermometer, ECG connections, glucometer, digital stethoscope, gateway, card reader. It is possible to insert electro-medical devices of any type, such as: RX, Ecograph, Tac, etc.





In the picture you can see the accessory compartments in detail.



The refrigerator is necessary for some reagents and drugs.



The doctor's vision and hearing are replaced by instruments.



Electromedicals allow the physician connected remotely to perform an in-depth instrumental diagnosis and to create audio / video files directly in the medical record.



The additional desk helps the operator during analyzes.

RHS case

The RHS case works as an interface between patient and electromedical equipment.

The standard measurements are:

H. 37.0 cm, L. 46.0 cm, P. 36.0 cm.

or

H. 22.0 cm, L. 49.5 cm, P. 38.0 cm

The station is designed to contain video communications and electromedicals. It contains our exclusive getaway, the Md. software, tablet, card reader and HD camera.

Into the RHS case is possible to insert electromedicals of any type: pressure gauge, ECG, glucometer, digital stethoscope, thermometer, blood analyzers etc.



In the photo you can see: tablet, multi-parameter blood analyzer, HD micro camera, pulse oximeter, thermometer, 12-lead ECG, urine analyzer, glucometer, digital stethoscope, gateway, card reader.

It is possible to extend diagnostic capabilities with other external electromedicals such as X-ray, Ultrasound, Tac, etc.





All the electromedicals in the RHS case are at fingertips. The operator finds each equipment in the appropriate housing.

Electromedical sets can be customized according to the requirements of the service provider and / or patient needs.

At the end of the visit you can manage the administrative and economic aspects (credit card, health card). Receipts, invoices and reports / diagnosis of doctor can be sent by email to the patient.

Medic-van

The Medic-van is a real first-aid mobile device that can carry out long-term missions and provide high-quality health services, suitable for all-road surfaces or peculiar climatic conditions.



With Medic-van you can:

- Connect with any physician anywhere in the world;
- Open, integrate and transmit clinical records;
- Perform instantaneous urine and blood analysis
- (including blood cell count and cardiac enzymes);
- Trace, print, or transmit in real-time ECG;
- Perform ultrasound and X-rays;
- Record and transmit, with the utmost security, video, audio, HD image and any other digital information needed for diagnosis;
- Recognize patients through linking to hospital databases;





Md. digital platform gives mobile care providers the ability to connect patient to physician for real-time tele-diagnosis.

It is possible to connect both to mobile and satellite.

The multifunctional couch turns into a bed to allow x-ray and ultrasound examinations. Results are immediately available to the physician and in the clinical record.





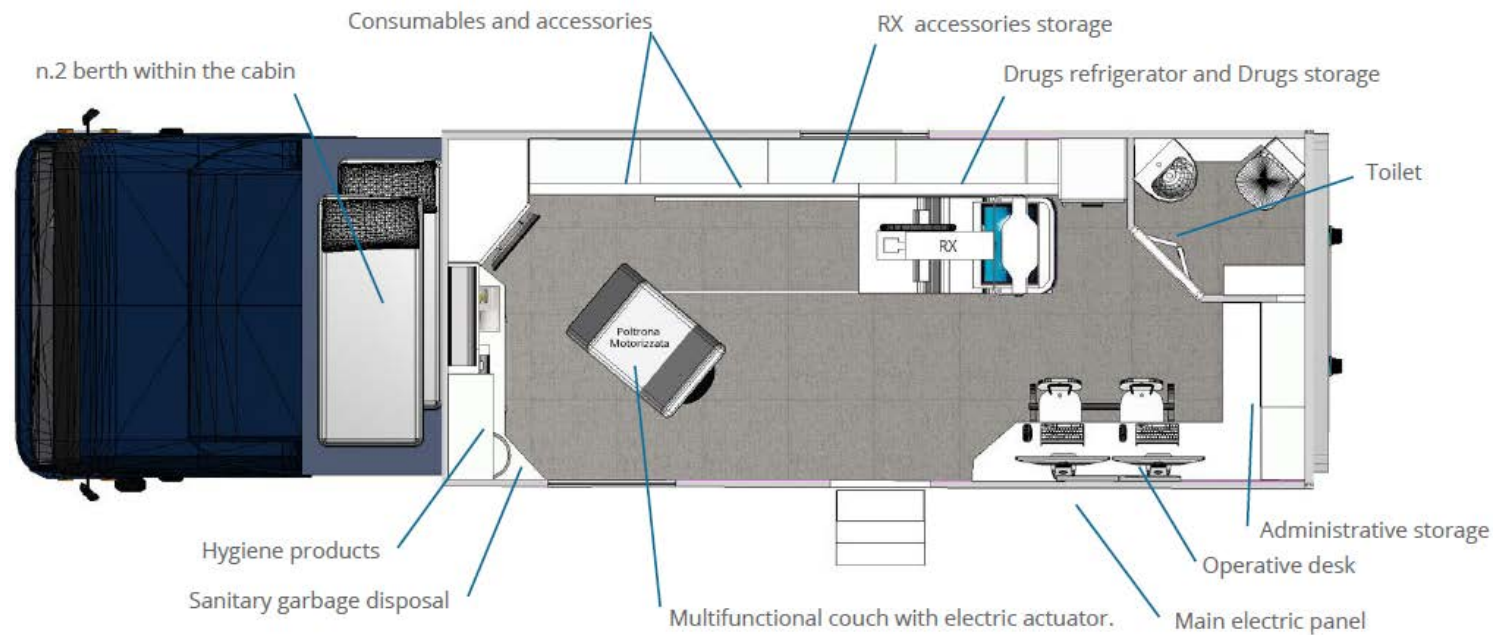
All data acquired,
transferred and stored on
the platform are securely
protected according to
local
regulatory
(HIPAA, European health
information privacy etc.)



The drugs storage zone is provided with a refrigerator.

Pharmacy drawers and other furnitures give Medic-van the chance to distribute drugs and to be independent for more than a week.

The "Medic-van" is a IVECO 6 wheels vehicle designed to also lodge 2 people, including: Diesel generator, stabilizer, satellite dish, water tank, air conditioning, black water tank.



Inside the "Medic-van" there is a RHS-PRO booth equipped with monitor 40" Full HD Touch screen, card reader, webcam and medical with integrated microphone, multifunctional couch with electric actuator, and all following devices:

Dermatoscope video



Glucometer



Blood pressure



12-lead ECG



Ultrasound - MYLAB ONE GAMMA



RX GM60A SAMSUNG



3-lead ECG



Pulse oximeter



Thermometer



Body scale



LabGeo PT-10



Urine Analysis



Digital Stethoscope



CBC Analysis





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