



eHealth  
Mobile Platform

„The Complete & Mobile Healthcare Ecosystem”

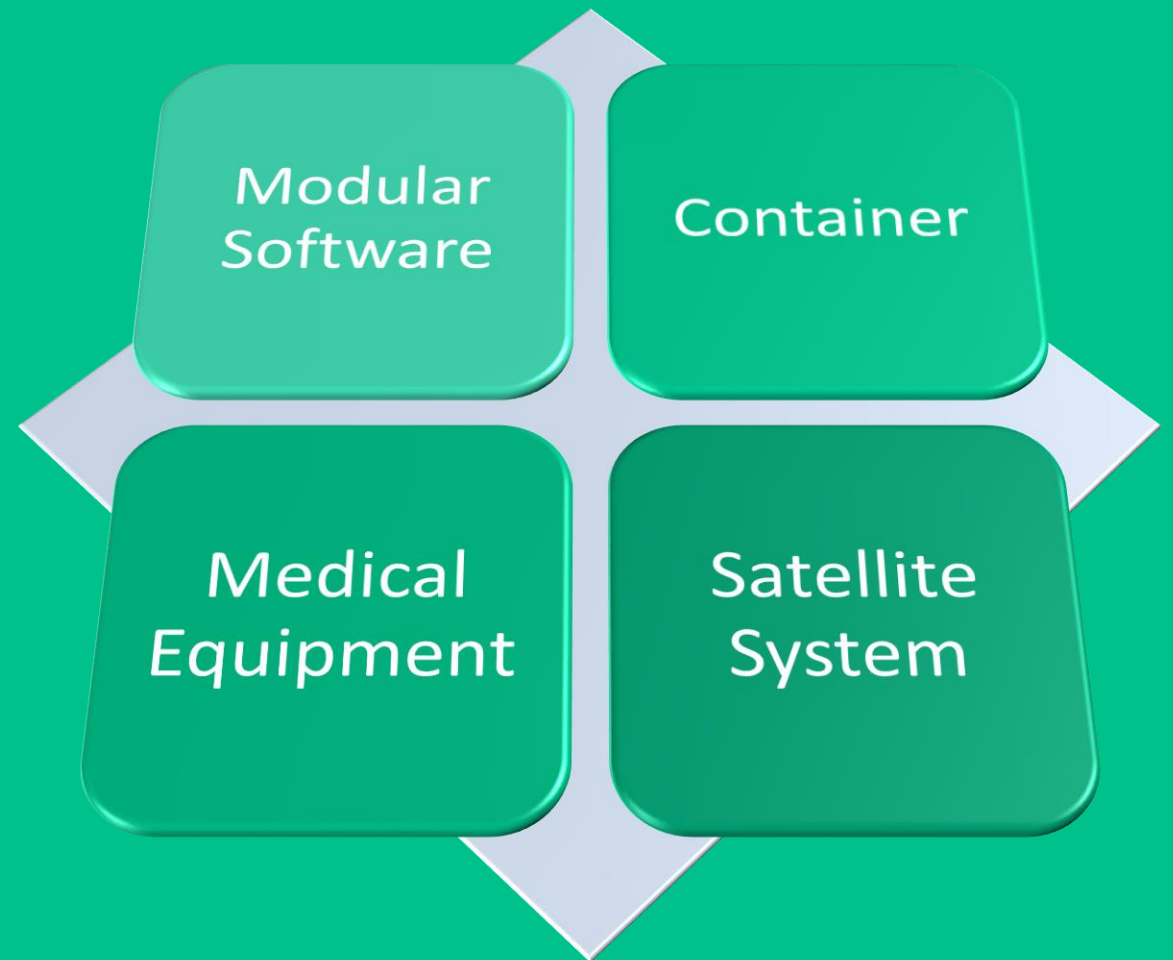
# OVERVIEW

EMP offers next generation eHealth solutions & services through the well designed and sophisticated combination of its:

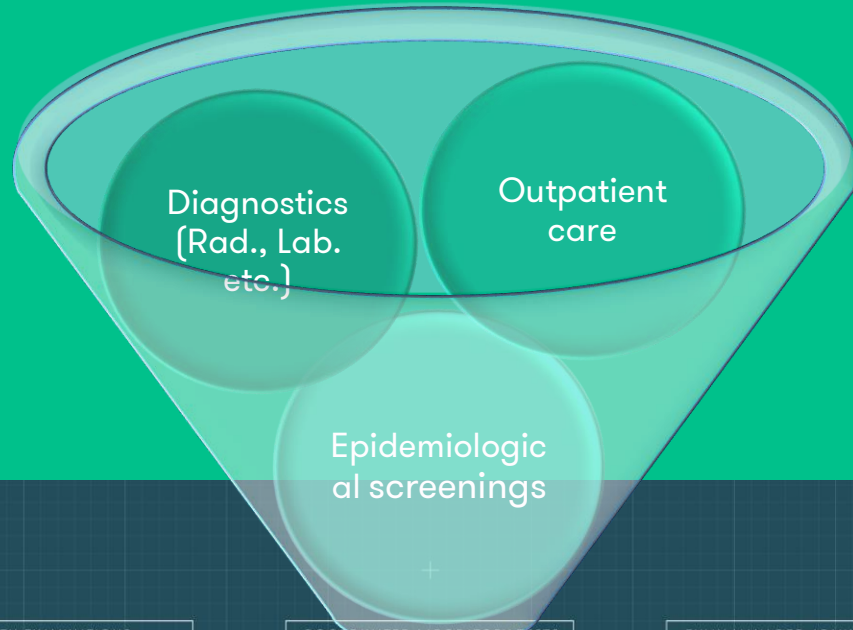
- modular based SW package managed by a core EMR;
- compact and robust container (40 feet High Cube) designed to fully adapt to any kind of environment;
- state of the art diagnostic and other healthcare relevant equipments;
- highly secure satellite communication network;
- special expertise and know-how from branch experts.

...making it a fully functional healthcare & diagnostics ecosystems.

EMP supports monitoring and diagnosing of epidemiological hotspots in order to prevent the emergence and spreading of possible local, regional or global pandemics.

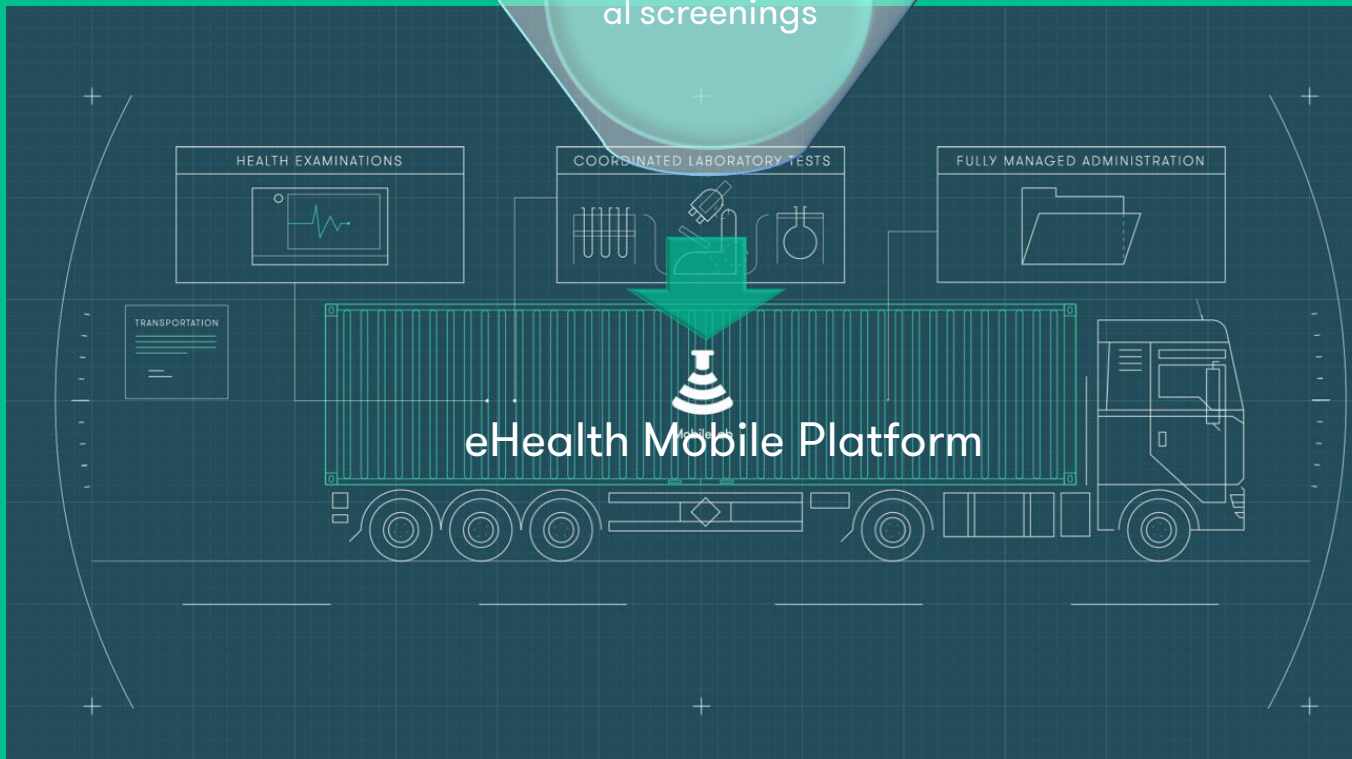


# TYPES



EMP's containerized ecosystems can cover the full spectrum of:

- Outpatient
- Internal Medicine;
- Emergency & Minor surgery;
- Dentistry;
- Laboratory (with embed PoCT);
- Homecare;
- Radiology;
- Cardiology care;
- ...and many more.

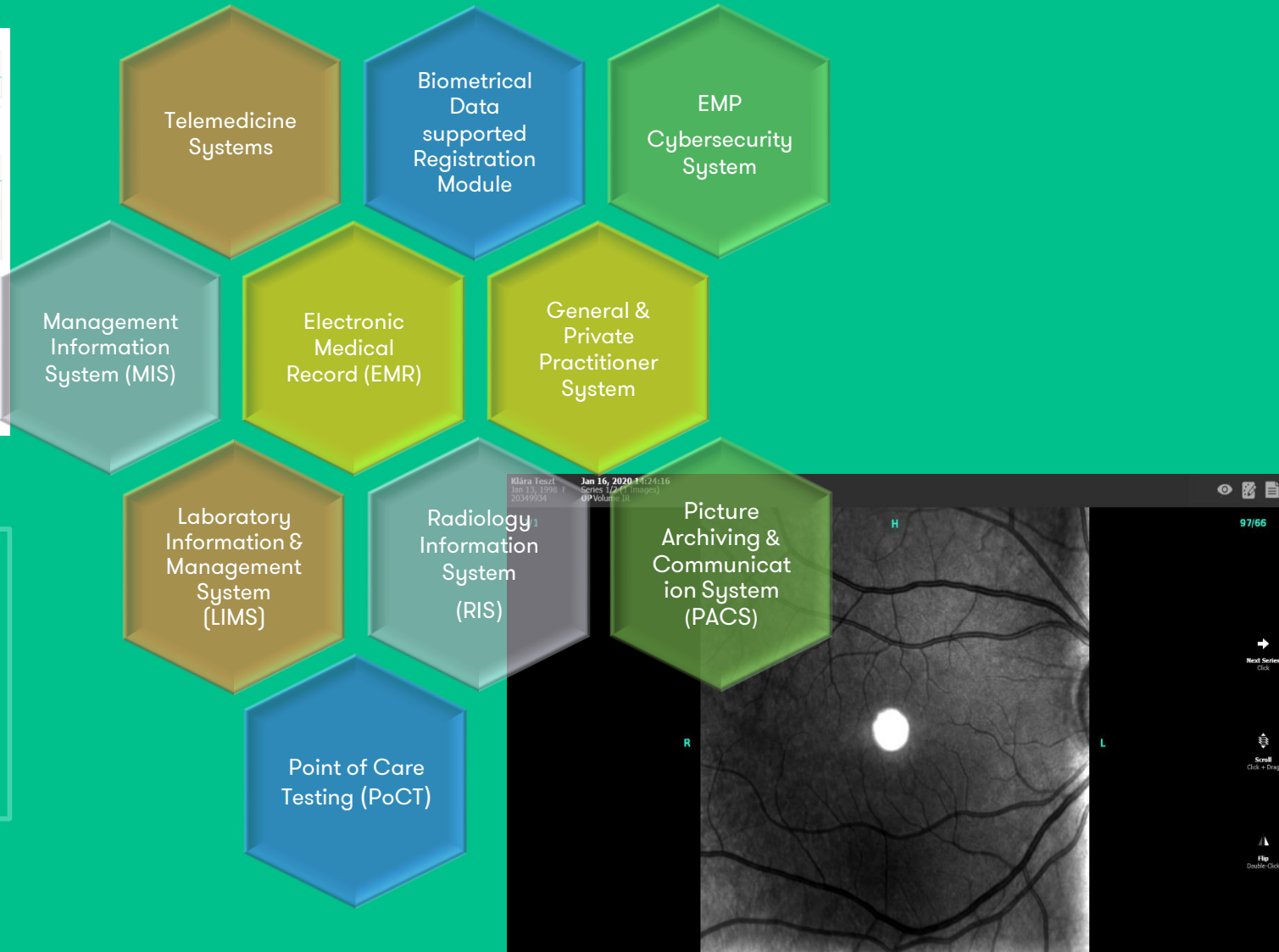


# SOFTWARE



EMP's SW components provide a complex eHealth ecosystem, for managing, storing and sharing data.

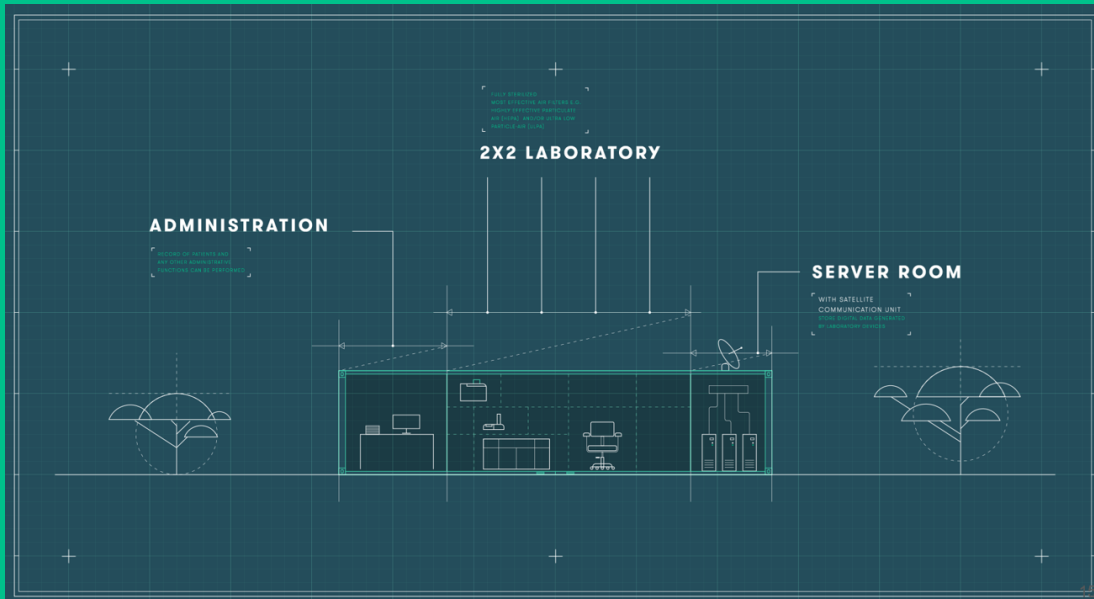
Thanks to its modular based architecture, the it can be easily extended or modified upon request.



# CONTAINER

Standard 40-foot HIGH-CUBE Container with:

- robust and secure setup;
- flexibility in terms of design;
- high-tech infrastructure;
- short operation and transport time;
- protects the staff, equipments and instruments from various environmental threats.



Administration  
Unit

Diagnostics  
and Care Unit



Satellite  
Communication  
Unit

IT Utility Unit

# COMMUNICATION

The highly sophisticated satellite communication platform ensures a secure and stable connection from any geographical position around the globe 24/7.

Robust design ensures operation even under extreme weather conditions:

- In addition following telecommunication transmission mediums can be used:
- Fixed Satellite Channel (FSS, Ku-band);
- Mobile services (3G/4G);
- Terrestrial WiFi/WiMAX networks;
- Physical (optical/copper) connection with local telecom operators.



# EQUIPMENTS



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Full and stable interconnection & integration between our software's and the used medical devices is the key focus, hence recommending the usage of the latest and most reliable devices, e.g.:

- Mobile X-Ray machines;
- Hematology analyzers;
- PCR - Polymerase chain reaction;
- Point of Care Testing devices;
- High-tech Ultrasound systems;
- ECG devices;
- Reflectance Photometer;
- Refractometers;
- Single-test strip & Immunochemical solutions;
- and many more.



# USE CASES – EPIDEMIOLOGY & INTERVENTION

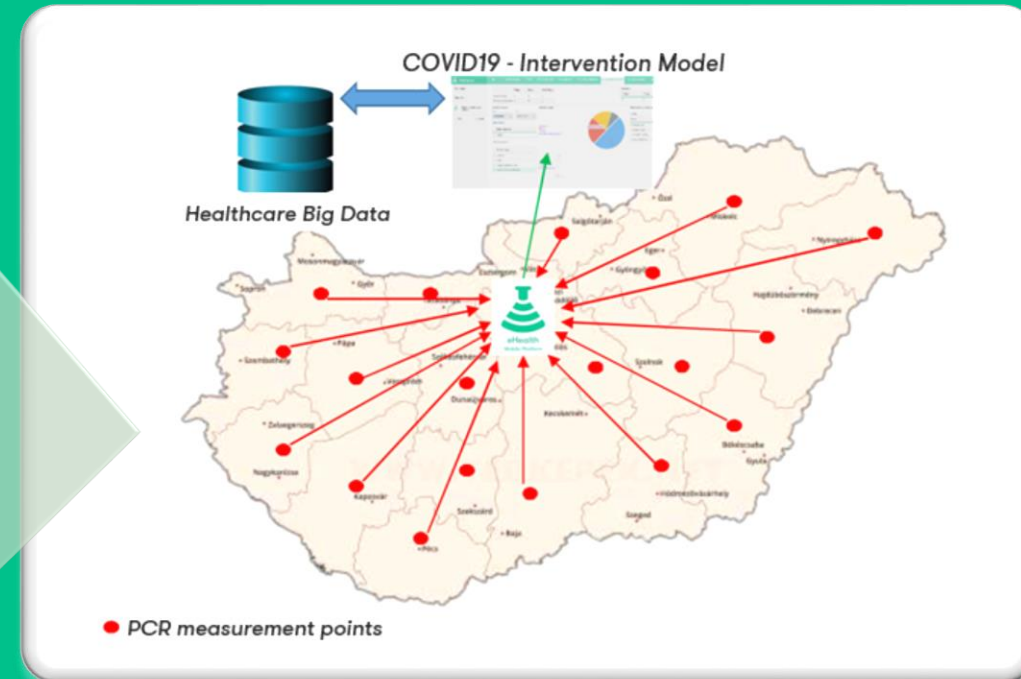
In case of emergency or planned events, EMP's intervention concept is ideal for:

- Screening large number of people (e.g. cities, towns);
- Deliver healthcare services for special events (e.g. sport events, pilgrims);
- Immediate assistance and help for natural or other types of catastrophies, epidemics & pandemics suffering regions.

Deploying EMP Mobile Units, equipped with relevant screening infrastructure, hardware and software.

Interconnecting the sites into one centralized database with the help of EMPs secure, stable and reliable communication and cybersecurity layer.

Setting up a central healthcare operational and steering committee and the relevant decision making environment, for immediate assistance or interventional decision making.





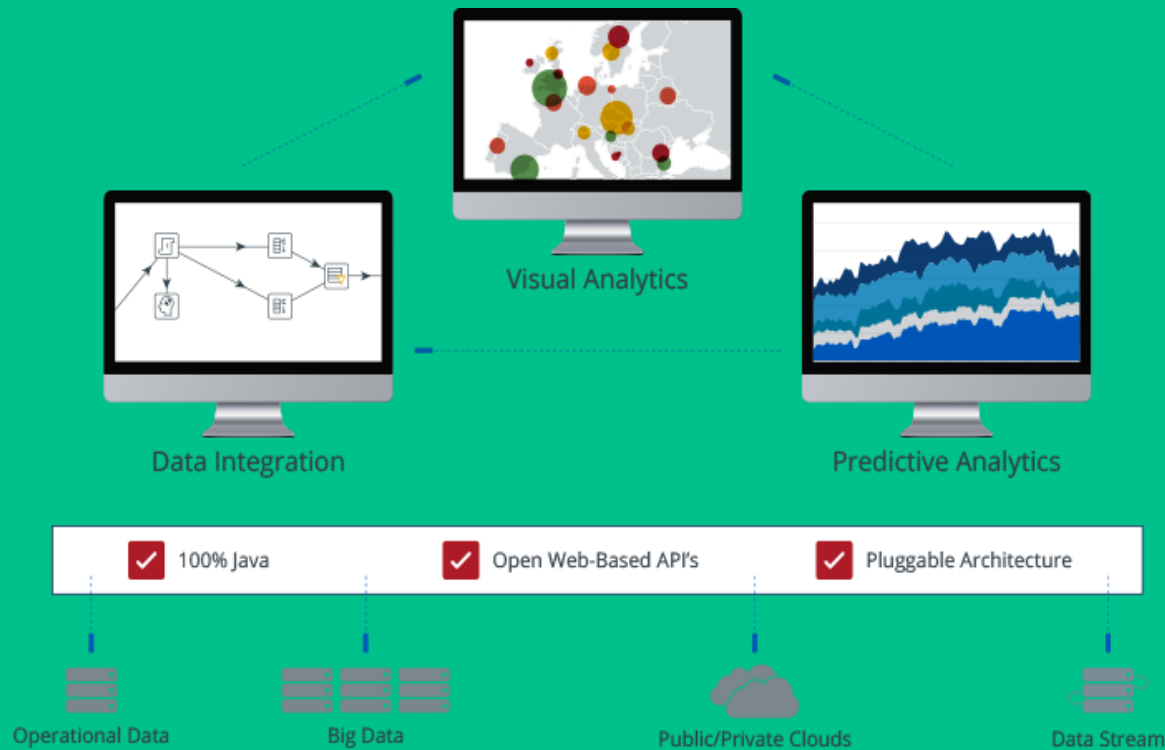
# USE CASES – REGIONAL CONCEPT



Next to the stand alone healthcare facilities, EMP offers a complete ecosystem with connected units into one unified network, that can cover regions. Regional or Nationwide Concept to improve healthcare services, through:

- information sharing, which is immediate and evident as all the data is stored in the same database;
- automatic integration with other providers;
- accurate and optimal resource management thanks to telemedicine;
- cooperation with public and private healthcare vendors;
- exceptional Patient satisfaction, while enabling and delivering high class services to their homes;
- more than just a messaging system, an Electronic Medical Record System where all data from all sources can be retrieved at any time from a single location and physicians can have instant access to clinical data;
- national data warehouse for Big data analysis.

# USE CASES – CENTRAL INTELLIGENCE



While using EMP's Management Information System (MIS), the users are in the position to create and use a centralized & consolidated database for:

- Data warehouse for Big data analysis;
- All data from aggregated to basic is available (drill down);
- Essential KPIs (e.g. Cost Plan, status facts), Graphical and responsive dashboards;
- Fully configured automatic reports (automated notification solutions);
- Ad-hoc Queries;
- Scientific research;
- Online data access to all data for MoH .

# USE CASES – PUBLIC & PRIVATE



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EMP supports and enhances already existing services, in both rural and high density urban areas, as it:

- can be connected to any existing hospital environment as an outpatient unit and/or as a diagnostic unit while integrating itself to the existing workflows, thanks to the modular based SW package enabled HL7, DICOM and specific webservice interface;
- can be used as a supporting primary care or diagnostic layer to unload existing healthcare facilities, by acting as the first touch base for patients, that prescreen and threat basic issues (e.g. chronic diseases) and forward only relevant cases to the generally overloaded hospitals;
- can be used as stand-alone Clinic and/or Diagnostic Center, for efficient treatment in Hotspots (e.g. Epidemiological Hotspots);
- can be operated remotely as such optimizing work force related needs and issues.

# WHY EMP?

The team of experts and the professional knowledge gathered on the global healthcare market, provide us the necessary background to enable quality services with immediate impact. Our local partners and supporting teams can access the global experience from market leaders and trendsetters.

Thanks to the modular based system and request oriented workflows our clients enjoy the advantages of:

- Fully integrated healthcare ecosystems through connected sites into one unified central patient database with standardized patient records containing all relevant data;
- Complete overview and control on each sites activities, when it comes to decision making. With easy to administrate role based user access;
- Operational and completely integrated environment with the relevant devices;
- Platform that supports clinical activities, such as orders, investigations, diagnose and reporting with the help of all available data (present and historical);
- Possibility to easily and flexibly extend systems with additional sub-systems, 3rd party systems, mobile applications, etc..



# Global experience, Local expertise!



## Head Office:

- Budapest, Hungary.

## Point of Sales & Delivery:

- Moscow, Russian Federation;
- Vienna, Austria;
- Riyadh, Kingdom of Saudi Arabia;
- Gauteng, Republic of South Africa;
- Colombo, Sri Lanka;
- Jakarta, Indonesia.

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