



SALI

A Full Critical-Aid System Product Brochure

Inovytec

Inovytec is a leading, technological growth company in the fields of Medical Devices and Digital Health. Our products offer health care providers and communities the ability to optimize their response to emergency events such as cardiac and respiratory failures by providing innovative solutions designed to empower the chain of survival, turning any bystander into a first responder.

Established in 2011, Inovytec is managed by a diverse and experienced team, that leads the development of three product lines marketed in over 20 countries and used in some of the world's leading medical centers.

SALI (Save Life) - An Advanced Critical Aid System

SALI is a full critical aid system that will change the way bystanders and communities respond to medical emergencies.



On-line Connectivity

 <p>Airway Management (Non invasive)</p>	 <p>Automated Oxygen Therapy</p>	 <p>Saturation Blood Oxygen Level</p>	 <p>ECG Monitoring</p>
 <p>Audiovisual Guided CPR</p>	 <p>Defibrillation</p>	 <p>Heart Rate</p>	 <p>Respiratory Rate</p>



The need

Medical emergencies can occur suddenly, and without warning, the ability to provide effective first aid has so far been limited to basic first-aid kits and defibrillators (AED) located in public places. However, most first aid kits are archaic, lacking the necessary innovation required for effective care, and AED's are only useful in one specific situation in which the person is already unconscious – cardiac arrest.

Many recent studies show that while the increasing use of AEDs improves survivability in cases of cardiac arrest, the patients who survive, experience neurological damages due to the lack of complementary initial treatment.

SALI

Using Digital Health to Empower the Chain of Survival

An innovative system

Allowing advanced treatment, from first aid all the way through CPR, and **on-line communication** to any medical center.

Every minute is critical

Suspected stroke

Heart attack

Difficulty breathing

Cardiac arrest

Response for conscious and unconscious patients

During the first minutes, treatment is provided by a volunteer/family member or a passerby.



All over the world, the arrival time of the emergency services to the medical emergency site is insufficient

8 minutes



In Israel, where rescue forces are among the best in the world, reaction times are 8 minutes on average^[1]

Respiratory failure

2 minutes

Neurological damage due to lack of oxygenation

10 minutes

leads to cerebral death

Heart failure/ Cardiac arrest

4 minutes

Delivery of an electrical shock - **high survival probability**

10 minutes

Reduces survival chances by **10%**

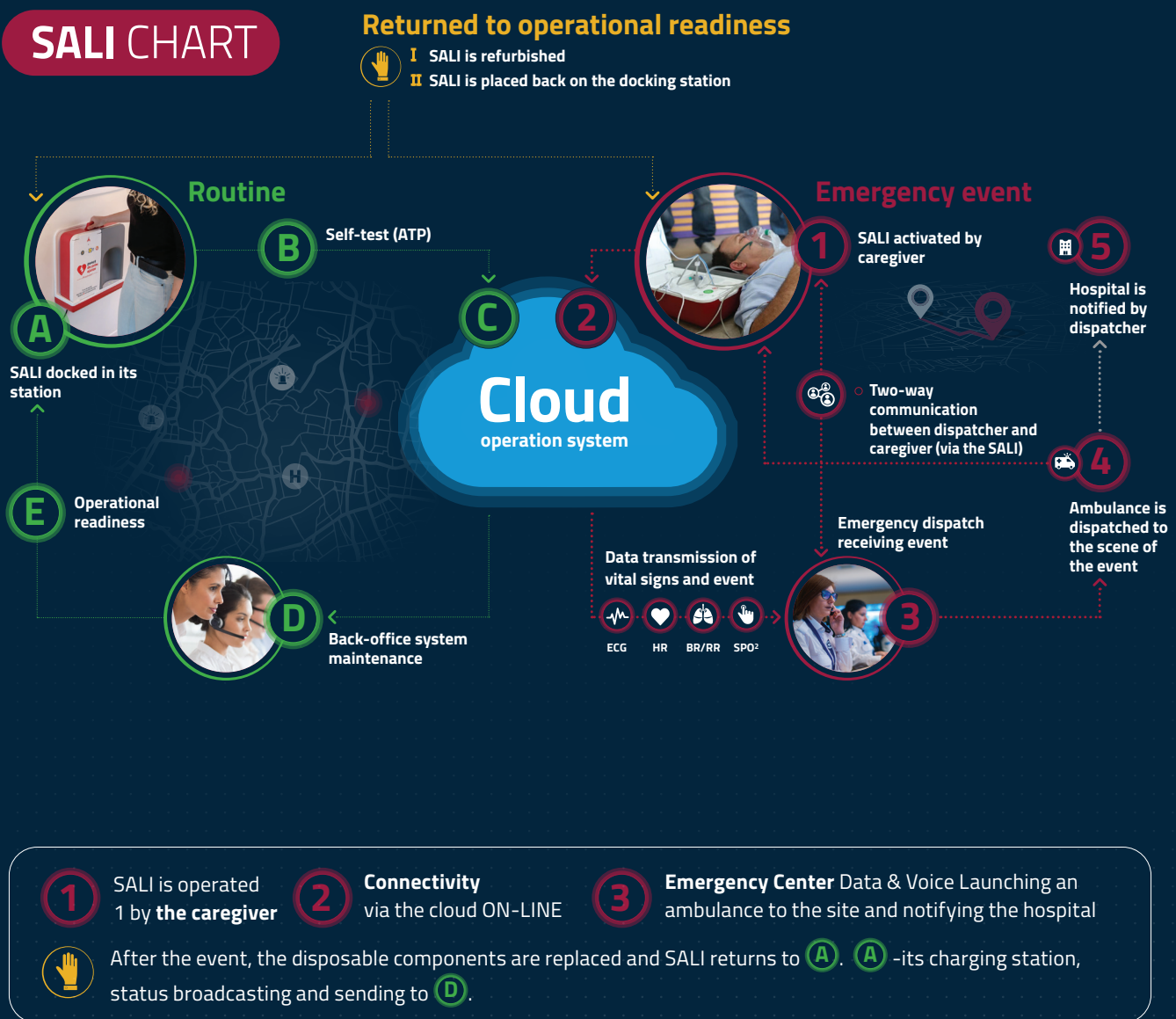
[1] <https://www.mdais.org/about/roles>



The system

SALI is a system that can easily be used by any first responder, designed to provide effective response to a variety of medical emergencies. The SALI system provides the caregiver instructions how to administer first aid and lifesaving treatment (via audiovisual instructions) according to international guidelines. SALI manages the patient's airways (non-invasively), monitors his vital signs, automatically administer oxygen therapy (adaptive to the patient's condition), and if necessary, initiates CPR and defibrillation while providing easy-to-follow instructions.

As soon as SALI is removed from its docking station, a message is sent to an emergency center. When SALI is opened and the patient is connected, all the parameters (ECG, saturation levels, heart rate, breath rate) are transferred in real time. In addition, a two-way communication is established between the emergency center and the caregiver.



The main features of the SALI system include:

- Airway Management
 - Automated oxygen therapy adaptive to the patient's condition (Lpm 5-10)
 - Semi-automatic external defibrillator (AED)
 - Respiratory rate
 - ECG
 - Heart Rate
 - Blood oxygen saturation levels
 - Real-time communication with the Emergency Center
 - Central administration system* (admin dashboard)
- * During routine, the system is stationed in a docking station which also serves as the system's charging station. SALI performs frequent tests to all its components and sends status reports to the control center. This process allows efficient management of multiple systems in different locations, ensuring all SALI devices are ready and available for use when needed.

Creating a safe environment in the private and public space - Safe Zones

The SALI system advances the Safe Zones approach in the urban space. Its applications are relevant to retail chains, offices, educational institutions, residential complexes, factories, and high-tech industries, in the community and in Health Services clinics. A Safe Zone in the public and private space is created by using the SALI systems to establish a real-time connection between the caregiver and emergency services which ensures effective care is provided to the patient.

Creating Safe Zones in Marburg, Germany.

The town of Marburg, located in the center of Germany, north to the city of Frankfurt is the main city in the district of Marburg-Biedenkopf. Marburg is known as a university town, as it hosts the Marburg University, known for its advanced medical research. The SALI system was fully integrated to the communication and treatment protocols of the local emergency centers, German Red-Cross, and Marburg University Hospital.



SALI was successfully operated by local teams, who are not accustomed to treating people during emergency situations, and proved its efficiency as an easy-to-use system, that enables optimal management of emergency situations. In addition, SALI proved to be clinically effective in providing therapeutic response until the EMS arrival, as presented in a publication in the European Resuscitation Council's Magazine^[3].

The creation of Safe Zones in Romania

In 2019, the SALI system was selected for a national project in Romania (lead by the Romanian Ministry of National Emergency Affairs) designed to strengthen emergency response in the community. 240 SALI systems are deployed in branches of the international supermarket chain LIDL. 140 SALI systems will be deployed to establish Safe Zones in public spaces throughout Bucharest. All and in all the initial phase, 380 SALI units will be deployed, creating Safe Zones all over the country. All SALI systems are connected to the Romanian National Emergency and Rescue Services dispatch – SMURD

This project also involves a collaboration with VODAFONE which provide the communication network.



National
Emergency
Center



Ministry of
Emergency
Affairs



The Romanian
Rescue
Organization



Supermarket
chain

This is a national project intended to increase the efficacy of the national emergency array in public spaces in Romania^[4].



**Winner of Smart
Cities Connect Smart
50 Award!**

Read more: <https://finance.yahoo.com/news/inovytec-named-smart-50-awards-120000662.html?tsrc=fin-srch>

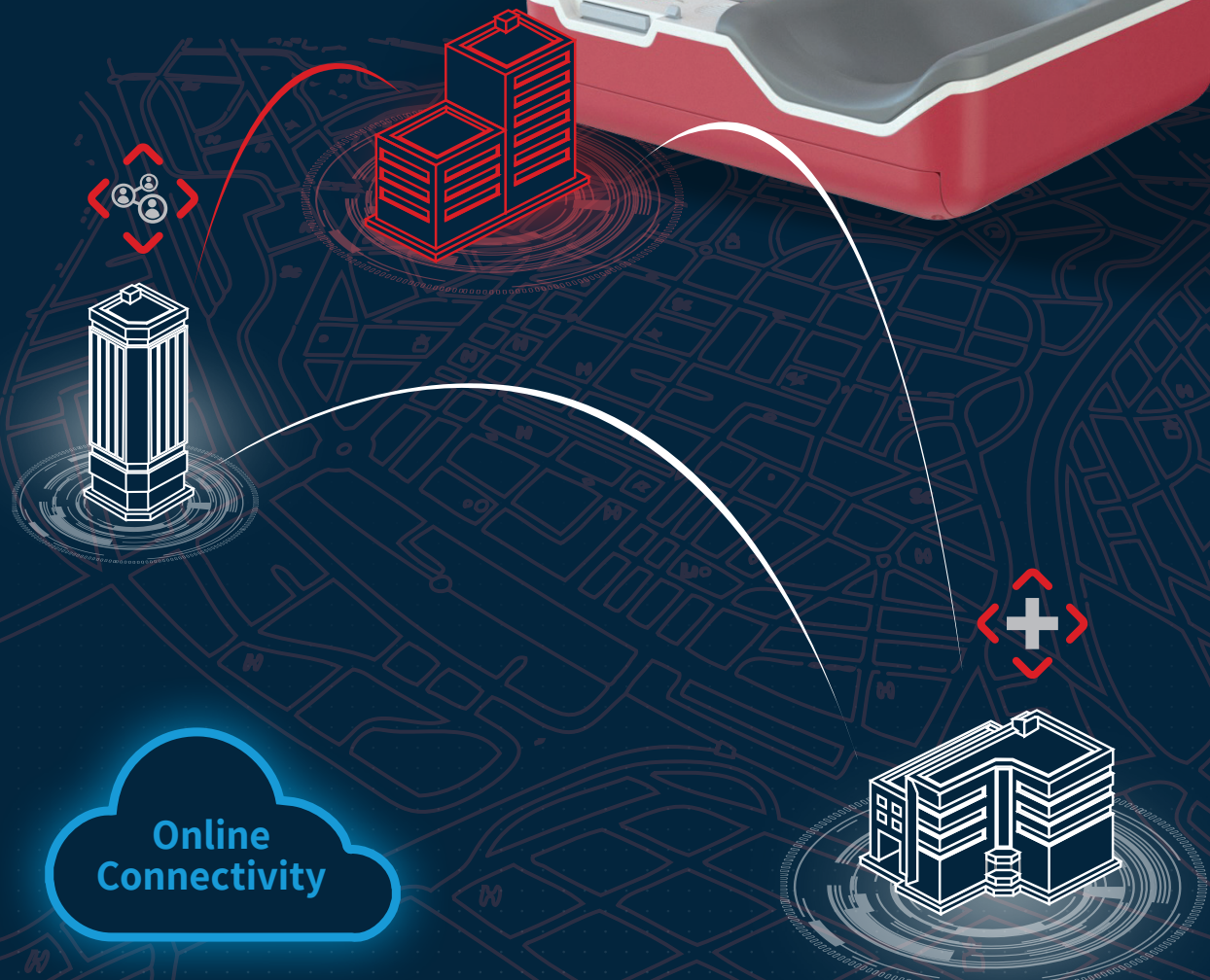
[2] https://www.haaretz.co.il/st/inter/Global/magazine/Haaretz/2020/Sefer.Aytek_NEW_12.20/index.html#p=49

[3] [https://www.resuscitationjournal.com/article/S0300-9572\(19\)30428-9/fulltext](https://www.resuscitationjournal.com/article/S0300-9572(19)30428-9/fulltext)

[4] <https://www.wall-street.ro/articol/Social/241814/dsu-in-parteneriat-cu-lidl-romania-si-fundatia-pentru-smurd-doteaza-spatiile-publice-dintara-cu-375-de-defibrilatoare.html>

SALI

EMPOWERING
FIRST RESPONDER
TO PROVIDE
EMERGENCY CARE



Online
Connectivity



INOVYTEC 
THE POWER TO SAVE LIVES

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