

e-Health

PUTTING MEDICAL CARE IN THE PALM OF YOUR HANDS

New technology and new laws are making electronic health records universal, spurring innovation on mobile devices, in data analytics and in telemedicine.

SENTECH
CONNECT

Transforming citizens lives through intelligent connectivity



e-Health

About SENTECH

SENTECH is all about connecting you to the world and connecting the world to you.

SENTECH SOC Limited is a State-Owned Company operating in the ICT sector.

SENTECH offers digital content delivery services to Public and Commercial entities.

In keeping abreast with rapid changes in the information and cyber physical society, SENTECH's product and service offering has expanded to include SENTECH CONNECT which is Connectivity tailored for all sectors in rural and underserviced areas.

Connectivity Technology

SENTECH CONNECT provides high speed broadband access, always on Internet connection for government facilities in hard-to-reach areas in South Africa with a minimum speed of 10Mbps scalable to 100Mbps. The network enables data, voice, video and other multimedia applications for any device, any network, anywhere and for any business use. Our team designs networks and implements state-of-the-art fully integrated solutions for the following broadband access technologies:



Broadband Access Network



IP Core/Edge Networks



IP/MPLS Networks



Data Centre Solutions



Transmission/Backhaul Solutions

#S4IR

SENTECH CONNECT e-Health

SENTECH CONNECT e-Health solution was introduced to minimise the digital divide by providing world-class broadband infrastructure to deliver affordable connectivity, bring e-services closer to home and to improve the lives of citizens in rural and underserved areas. This can be achieved using information technology for connecting healthcare workers to doctors for the better care of patients, strengthen hospital information systems, and enable various eHealth applications such as telemedicine, teleradiology, and virtual visits.

Our offering includes:

Smart Clinics

Smart Hospitals





Smart Clinic

The Smart Clinic solution offers the digital enablement for hospitals and clinics to support remotely located clinicians and patients via video conferencing, through the Smart triage and pathway enabling:

- Facial recognition or fingerprint to confirm identity and smart triage based on retrieved health info and AI analysis,
- Guided pathway and patient/location specific queuing info shown in mobile device/app Real-time tracking,
- E-report generated, and latest results transmitted instantly to doctors using an automatic process.

The high-tech part will aid faster registration and facilitate queuing challenges. The registration process makes use of technologies that recognises your face/ finger prints the second time you visit, checking in will be self-service. Once registered you can walk in and show your face to the camera, no queues and no ticketing system; nurses just come and collect the next person in line armed with their details.



Smart Hospitals

Smart Hospitals solution offers applications like Telemedicine and Teleradiology to improve future health care delivery.

Features:

- Image compression capabilities,
- Hospital-integrated picture,
- Archiving and communication systems,
- Tele-neuro-imaging, and
- Telemammography.

Benefits:

- Improved image quality,
- System reliability,
- Quicker turn around times,
- Data security including patient confidentiality, and
- Image authenticity.

Benefits of the e-Health solution

1. Asset Tracking

A cloud integrative inventory management solution that enables proactive inventory and supply chain management of medical devices, medical supplies, consignment stock and medical equipment etc. The solution provides ongoing, automated connectivity between hospitals, clinics and vendors. The unified infrastructure connects all elements of the logistical and operational chain with real-time reports accessible simultaneously to both hospitals, clinics and vendors.

Benefits:

- Enables consignment inventory management in the last mile delivery of service,
- Improves visibility by enabling clinics oversight of stock item counts and trends across the healthcare value chain,
- Eliminates manual counting, stock-outs, expired items, and waste,
- Produces accurate inventory records in real-time,
- Eliminates shrinkage by tracking inventory and updating the system, as items are dispensed or sold or distributed to other locations.

2. Smart Patients

For patients, e-health means the confidence of accessing your own lab results and health information online, the convenience of a virtual visit or the ease of booking medical appointments electronically. Personal health information is an important part of patient engagement and empowerment, which are directly linked to improved chronic disease management.

3. Smart Clinicians

For health professional using it, from ambulance assistants, nurses, doctors to specialists it means more informed decision making through access to pertinent patient information and an electronic pool of health specialists when it's needed, the convenience of an e-consult with a specialist or enhanced patient safety through electronic prescribing.





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