



**Message from CEO**  
**"Telemedicine Drones- Creating a True Health Impact"**  
*Dr. Shariq Khoja- CEO Tech4Life Enterprises*

Telemedicine is increasingly being used to bridge the gap between patient and health provider by using innovations in both software and hardware. Making Telemedicine reach hardest areas and to people in urgent need still remains a dilemma. Currently digital stethoscopes, wearable technologies, remote monitoring cameras, and telemedicine software are transforming healthcare. Next critical technologies in Telemedicine include drones, robots and artificial intelligence, which are likely to transform healthcare for millions of people. Drones can be used in healthcare in many different ways. These include: (1) Delivery of Medicines and other Resources; (2) Immediate Disaster response especially in areas with limited access; (3) Surveillance and Information Management from hard-to-reach areas and in times of pandemics; and (4) Telemedicine consultations including the use of diagnostic devices.



Telemedicine can be revolutionized with the use of Drones by making the telemedicine software and devices reach areas where doctors cannot reach due to distance, disasters or other limitations. Tech4Life Enterprises is engaged in designing telemedicine kits that can be attached with the drones and capable of providing meaningful Telemedicine services in remote locations.

**New Activities**  
**"World's first DRONE Telemedicine Kit for Live Consultations"**

Sojro Drone, developed by Tech4Life Enterprises, is equipped with high resolution cameras and network capacity for telemedicine consultations, along with devices to examine patients in far-flung areas. These drones could be used by health and humanitarian organizations all over the world, including disaster and military organizations, emergency care bodies and set-ups of ambulances, hospitals and primary healthcare in remote areas.

We are going to launch many different models of telemedicine drone kits in the near future for different niche markets, which can be capable of traveling longer distances, along with increasing battery time and loading capacity.



**"Making a huge impact - Validating the Non-invasive Hemoglobin Monitor (SmartHb)"**

SmartHb is a state-of-the-art medical device to measure hemoglobin developed by Tech4Life Enterprises. The device uses a non-invasive spectroscopy method for painless acquisition of hemoglobin count. Some prominent features of the device include: portability, ease-to-use, rapid readings, rechargeable battery and integration with smart devices via Bluetooth.

Tech4Life Enterprises holds pride in envisioning the device not only as a pain-free, quick alternative to conventional blood test methods but mainly as a device intended for mass eradication of anemia in the population specifically among pregnant women to ensure a healthy population and future generations.

A Validation study has recently been conducted in collaboration with Trust for Vaccination and Immunization (TVI), Pakistan. The purpose of this study is to make health providers use SmartHb in community settings and share their experiences. In addition, random samples are also tested against the gold standard to confirm the results. The study will be completed by the end of Dec 2022.



**"New Version of eSteth offers Advanced features and Artificial Intelligence"**

Imagine a wireless, remotely operated stethoscope capable of recording sounds, providing diagnostic interpretation, keeping patient records, and connecting your hearing aids with eSteth via streamers. All these features are offered in the new version of Digital Stethoscope. The device is also highly user-friendly and takes less than a minute to set up and connect to the APP.

eSteth is a digital stethoscope designed to provide high-quality heart and lung sounds to physicians and nurses to result in a better diagnosis. eSteth digital stethoscope also provides state-of-the-art support for telemedicine by using Artificial Intelligence (AI). Tech4Life is pleased to enter a new partnership with the Center for Mobile Innovation at Sheridan College in Oakville, ON, Canada for developing AI for better diagnosis.



**Distribution Channels Around The World**

**"Red Crescent Society in Egypt deploying Telemedicine for disaster and other humanitarian situations"**

Red Crescent works in various fields with aim of reducing humanitarian sufferings and improving lives of under-privileged communities. In Egypt, the organization has decided to move one step ahead to enhance their services using Telemedicine. Tech4Life Enterprises has partnered with PGX Group, Egypt, to provide end-to-end telemedicine implementation for the Egyptian Red Crescent Organization.

Egyptian Red Crescent is also involved in activities related to blood banks and primary health care services. Moreover, Egyptian Red Crescent regularly conducts vaccination campaigns and other health promotions all over the country. Similarly, Egyptian Red Crescent is also actively involved in projects related to Urban and rural development. When it comes to Disaster Management and preparedness, Egyptian Red Crescent is always at the forefront with the right strategy and plan of action, in response to all national disasters along with a lot of regional and international ones.



On the Health front, Tech4Life Enterprises has partnered with PGX Group, based in Cairo, to provide Egyptian Red Crescent with the telemedicine devices coupled with a seamless on-demand customized Telemedicine platform. With Tech4Life Enterprises' Telemedicine solutions, it has become easier for Egyptian Red Crescent to provide adequate telehealth services to the Egyptian people in Urban and Rural areas. Tech4Life Enterprises has also deployed their team in Cairo to help PGX Group with the telemedicine implementation for the Egyptian Red Crescent Organization.

**Exhibition**

**"Tech4Life showcases state-of-the-art Telemedicine solutions for African countries at the Africa Telehealth Conference in Cairo, Egypt"**

Tech4Life Enterprises exhibited its highly innovative and scalable Telemedicine solutions for countries in Africa at the Africa Telehealth Conference in Cairo, Egypt on Nov 30<sup>th</sup>-Dec 1<sup>st</sup>, 2022. Dr. Shariq Khoja, CEO Tech4Life Enterprises, was also a keynote speaker at an event. In partnership with the Egypt's General Authority for Healthcare Accreditation and Regulation (GAHAR).

Africa is extremely important region for Telehealth and telemedicine implementation since many countries in Africa do not even spend significant part of their GDP on healthcare. Also, healthcare professionals are often scarce in African countries. With Covid-19 Pandemic, the world has realized the importance of telehealth programs.



Furthermore, key players and leaders from all over the world have acknowledged the potential of telehealth programs in not only supporting the healthcare systems, but also in making healthcare more accessible for vulnerable population which does not have an access to quality healthcare.

