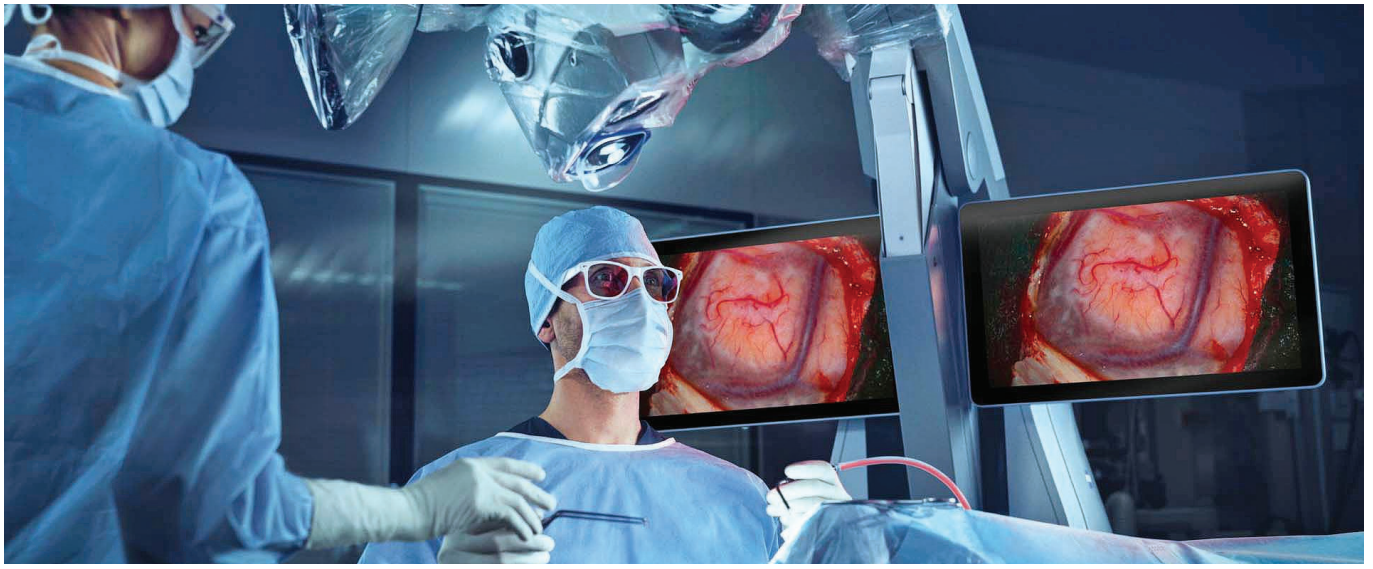
DIMO

POWERING INTELLIGENT HEALTHCARE



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Healthcare systems across the world are undergoing a profound transformation and the focus is shifting from episodic, reactive treatment models to continuous, connected and convenient care ecosystems enabled by AI, data integration and advanced medical technologies.

In this evolving landscape, access, efficiency and precision are essential pillars of modern healthcare delivery.

In Sri Lanka, DIMO Healthcare is playing a pivotal role in shaping this future by introducing next generation medical technologies that seamlessly connect healthcare professionals, institutions and patients while ensuring continuity of care through robust after sales support and knowledge sharing.

As the healthcare arm of DIMO, DIMO Healthcare is positioning itself as a key enabler of technology enhanced healthcare solutions that build a healthier nation.

By partnering with globally renowned innovators such as Siemens Healthineers, Carl Zeiss, Varian and Echosens, the company is redefining how medical technologies interact with people and data, laying the groundwork for a more integrated national healthcare ecosystem.

Since its inception, DIMO Healthcare together with its global partners has been reshaping the healthcare landscape by introducing intelligent technologies that expand clinical capacity; break down barriers to access; and enable earlier, more accurate diagnosis.

Among the latest innovations introduced to the Sri Lankan healthcare sector is Deep Resolve, an artificial intelligence powered image reconstruction technology from Siemens Healthineers.

Embedded within MRI platforms such as MAGNETOM Flow.Platform, MAGNETOM Altea, MAGNETOM Lumina and MAGNETOM Free.Star, Deep Resolve uses deep neural networks to dramatically accelerate scan times while enhancing image clarity.

Examinations that traditionally required prolonged scanning can now be completed in seconds or minutes while delivering sharper anatomical details.

For patients this translates into reduced discomfort, lower anxiety and improved accessibility – particularly for children, the elderly and those who experience claustrophobia.

For healthcare institutions, shorter scan times mean increased throughput, faster emergency evaluations such as stroke imaging and improved utilisation of existing MRI infrastructure. In effect, AI becomes a catalyst for convenience and connectivity, enabling facilities to serve more patients with greater confidence and clinical precision.

In oncology, time, accuracy and reproducibility are critical determinants of patient outcomes. RapidArc Dynamic by Varian, introduced to Sri Lanka by DIMO Healthcare, represents a significant advancement in radiation therapy delivery.

Adoptable to platforms such as TrueBeam and Halcyon, RapidArc Dynamic uses GPU enabled algorithms and automation tools within the Eclipse treatment planning system to reduce planning and delivery times by more than 50 percent.

Treatments that once took several minutes can now be delivered in seconds, minimising patient discomfort while ensuring precise dose delivery with reduced exposure of healthy tissue.

Deterministic algorithms ensure consistent, reproducible results, empowering clinicians to iterate treatment plans rapidly and confidently. By embedding intelligence into complex workflows, RapidArc Dynamic enhances both operational efficiency and patient experience.

In ophthalmology, DIMO Healthcare has introduced the ZEISS CIRRUS 6000 with PathFinder™, a next generation optical coherence tomography (OCT) solution powered by deep learning algorithms. CIRRUS PathFinder automatically analyses retinal scans, detecting macular abnormalities with high sensitivity and specificity while completing scans in only 0.4 seconds.

This proves to be 270 percent faster than previous systems, and flags clinically significant findings such as sub-retinal fluid, intraretinal fluid and retinal pigment epithelium atrophy.

Rather than replacing clinicians, this AI driven approach strengthens medical judgment by prioritising cases that require urgent attention and reducing unnecessary repeat scans. Patient chair time is minimised, work-

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flows are streamlined and clinicians can focus their expertise where it matters most.

This integration of artificial intelligence into routine diagnostics exemplifies how connected technologies can enhance both efficiency and quality of care.

While many of these technologies lay the foundation for future installations, DIMO Healthcare has already marked a national milestone with the installation of Sri Lanka's first FibroScan® Expert 630 by Echosens, the globally accepted gold standard for noninvasive liver health assessment.

This technology transforms how chronic liver diseases are detected and monitored by combining three patented biomarkers – LSM by VCTE™ , CAP™ and SSM by VCTE™ – into a single, painless examination completed in under four minutes.

By eliminating the need for invasive biopsies and enabling trained nurses or medical assistants to perform assessments, FibroScan remarkedly reduces bottlenecks in liver disease screening.

Patients no longer need to travel to specialised centres, and healthcare institutions can maximise existing human resources to serve more people efficiently. This model of decentralised, convenient diagnostics exemplifies how technology can democratise access to specialist level care.

The operating theatre is another domain where technology is redefining convenience and connectivity. The ZEISS KINEVO 900 S surgical microscope, featuring a collaborative robotic (cobotic) assistant, establishes a collaborative partnership between surgeon and system. Through automated positioning, voice control (Hey KINEVO) and intelligent workflow integration, the system functions as a responsive digital operating room assistant.

Routine tasks such as focussing, repositioning and mode switching are automated, reducing cognitive load and allowing surgeons to remain fully immersed in the surgical field.

Advanced features such as AutoCenter, fluorescence guided tumour visualisation and automated documentation ensure reproducibility and precision while maintaining uninterrupted workflow.

This fusion of robotics, imaging and data management reflects a future where surgical environments are seamlessly connected, intuitive and outcome driven.

In the cardiac implants segment, the Abbott Gallant DF4 – a high-voltage pulse generator device in the category of ICDs and CRTDs, introduced to Sri Lanka by DIMO Healthcare – has the capability to significantly enhance daily life for cardiac patients.

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Its long-lasting battery reduces replacements while its advanced connectivity allows for automatic data sharing with physicians. MRI ready design and smart shock reduction technologies offer greater comfort, confidence and uninterrupted access to essential diagnostics.

Further strengthening its cardiac care portfolio, DIMO Healthcare has also introduced an advanced cardiac stent range and expanded into pharmaceuticals, creating a more integrated and convenient care ecosystem that simplifies treatment access for patients.

Technology alone does not create a connected healthcare system; continuity and reliability are equally critical. DIMO Healthcare complements its advanced portfolio with robust 24/7 nationwide after sales service coverage.

Its highly trained engineering teams manage installations, preventive maintenance, emergency repairs and breakdowns with remarkable efficiency, minimising equipment downtime across the country.

This operational excellence is reinforced through rigorous manufacturer level training from global partners such as Siemens Healthineers and Carl Zeiss, ensuring that service engineers uphold international standards when maintaining sophisticated life-saving equipment.

Remote diagnostics and predictive maintenance capabilities further enhance continuity by identifying potential issues before they disrupt clinical operations.

Beyond engineering, DIMO Healthcare actively contributes to knowledge sharing within the healthcare community. Collaborations with organisations such as Radiology Across Borders facilitate continuous learning between clinicians and technical experts, ensuring that advanced technologies are used to their full potential in real world clinical settings.

By integrating AI driven diagnostics, precision therapy, cobotic assistance in surgery and world leading technology, DIMO Healthcare is redefining patient care in Sri Lanka. These technologies preserve time, dignity and opportunity, enabling individuals to pursue their aspirations with confidence and wellbeing.

Aligned with DIMO's broader purpose of 'fuelling dreams and aspirations of the communities,' DIMO Healthcare stands as a guardian of operational continuity and a catalyst for convenient, connected healthcare solutions.

As Sri Lanka's healthcare sector advances toward next generation capabilities, DIMO Healthcare's role as an enabler of seamless, intelligent and human-centered care will remain central to building a healthier nation.

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– Compiled by Yamini Sequeira