

SIEMENS HEALTHINEERS

We pioneer breakthroughs in healthcare.
For everyone. Everywhere.

Siemens Healthineers is a German based company with a long history of advancing medical technology through ground-breaking developments.

As a leading medical technology company headquartered in Erlangen, Germany, Siemens Healthineers and its regional companies is continuously developing its product and service portfolio, with AI-supported applications and digital offerings that play an increasingly important role in the next generation of medical technology. These new applications will enhance the company's foundation in in-vitro diagnostics, image-guided therapy, in-vivo diagnostics, and innovative cancer care. Siemens Healthineers also provides a range of services and solutions to enhance healthcare providers' ability to provide high-quality, efficient care. In fiscal 2021, which ended on September 30, 2021, Siemens Healthineers, which has approximately 66,000 employees worldwide, generated revenue of €18.0 billion and adjusted EBIT of €3.1 billion.

A GLOBAL PLAYER WITH GERMAN TECHNOLOGY

Every hour, more than 240,000 patients are touched by technologies provided by Siemens Healthineers. The organisation is at the center of clinical decision-making: almost three-quarters of all critical clinical decisions are influenced by solutions provided by Siemens Healthineers.

Built on a 120-year history of innovation, Siemens Healthineers is a global player with a strong heritage in German engineering. Just one year after X-rays were discovered by Wilhelm Conrad Roentgen in 1895, Siemens created the world's first medical X-ray device. The organisation's archives still hold a letter from Roentgen dating back to 1896 praising the quality of tubes provided by Siemens.

Today, Siemens Healthineers' engineers and researchers worldwide continue to build upon this legacy of innovation. Backed by an annual research and



development investment of 1.3 billion Euro and more than 18,500 patents, patent applications, and utility models, the organisation constantly brings ground-breaking innovations to market – for the benefit of patients, medical professionals and society.

Siemens Healthineers has continued its long history of advancing medical technology with the recent launch of the world's first CT scanner with photon-counting technology.

PRIORITIZING QUALITY OF CARE AND PATIENT EXPERIENCE

It is the goal of Siemens Healthineers to improve patient experience across the continuum of care. This starts with engaging people before they become patients and it continues with the diagnostic and therapeutic experience in a care setting. Ultimately what matters to patients are treatment outcomes that lead to higher quality of life.

To this extent the company is dedicated to cooperating with its customers to assess and address their needs, to provide innovative yet practical and necessary healthcare solutions.

Simultaneously, the company has a strong commitment to partner with healthcare providers in enabling them to deliver high-quality and affordable patient care and therefore Siemens

Healthineers seeks to expand the scope of precision medicine, robotics, augmented reality and artificial intelligence within the healthcare sector.

DRIVING THE DIGITAL TRANSFORMATION IN HEALTHCARE

Big data, Artificial Intelligence and Cybersecurity are the three biggest changes that will drive the digital transformation of the healthcare industry in Singapore.

Healthcare providers start to recognise that big data needs to be managed as a strategic asset. This requires new hardware, software as well as a cultural shift in the way data is integrated from various sources ranging from wearables to medical devices. Siemens Healthineers has already begun to reposition its digital offerings to help customers harness the power of this data and turn it into actionable insights that can help deliver value to their patients in Singapore.

In fact, Siemens Healthineers is already shaping the digitalization of the healthcare system by supporting healthcare facilities with digital innovations. For example, to connect care teams and patients to drive patient engagement and improve the treatment process – ultimately facilitating more cooperative care.

Artificial Intelligence is and will continue to be a significant driving force of change in the healthcare industry. With the help of analytical tools powered by AI-technologies, digital data can lead to better decision-making along every step of the patient journey.

Siemens Healthineers has always been at the forefront of developing AI-based solutions for its customers. It now has more than 65 AI-based products and applications in the global market that further increase its customers' productivity, as well as enable more precise and tailored clinical decisions.

Recently, the company introduced a new AI-powered application for radiologists in Singapore that helps take away the burden of their repetitive tasks and enables them to improve diagnostic precision when interpreting medical images.

CYBERSECURITY AT A CENTER STAGE POSITION

As medical devices are just like other computer systems, they face the growth of increasingly sophisticated cybercriminal tactics leaving healthcare organizations highly vulnerable to attacks. This vulnerability grows as networking and interoperability increases —especially when those devices are connected to a hospital network. That is why cybersecurity will take more and more a center stage position in the healthcare industry, as it is closely linked to the safety of patients and the confidentiality of their data.

SINGAPORE BECOMING A DIGITAL HEALTH HUB

One of the biggest factors that accelerated adoption of digital technologies

was COVID-19 and there is expectation of higher investments in digital technologies than pre-pandemic levels. Digital technologies will be used for patient-engagement, care coordination and enabling a remote workforce or telemedicine.

With plans for a hospital digitalisation roadmap, including cybersecurity management, a shift to cloud, and plans to secure digital talent through strategic partners, Singapore is well on its way to being a digital health hub leader.

But given the daunting scope and complexity of healthcare digitalisation, a coordinated effort between hospitals, the government, and solutions providers is crucial to make headway. With its Smart Nation initiatives, Singapore's government is offering precious support, while partnerships with vendors of new and relevant digital solutions can help hospitals successfully bypass the hurdles to digitalisation, and evolve well with the times.

In view of this digital transformation, Siemens Healthineers has set-up a IT & Digital Solutions team in Singapore to work closely with its customers to develop customised solutions to address their local IT requirements. In addition, the IT & Digital Solutions team will work with customers to deploy and operate its traditional healthcare IT solutions to comply with local regulatory requirements in Singapore.

AI AS AN INDISPENSABLE TOOL IN ALL FIELDS OF HEALTHCARE

Siemens Healthineers is a leader in deployment of artificial intelligence (AI) in imaging and diagnostics. It holds more than 650 patent families related

to artificial intelligence (AI). The company's portfolio owns more than 65 AI enriched offerings for products and solutions. Siemens Healthineers and Siemens are the global leader in Artificial Intelligence in life and medical science.

Through partnerships and an installed base of more than 600,000 devices worldwide, Siemens Healthineers is able to draw upon a massive pool of data that can be put into action. Aligned with AI, for example, this data offers vast opportunities to provide patients with better, more individualized treatments.

GREAT MINDS DRIVE THE ERA OF INNOVATION

Siemens Healthineers has a long history of innovative strengths and celebrates innovative minds, thought



leaders and R&D teams all around the globe. Many of them are awarded inventors, who until today make this company the world's market leader in most businesses and countries where it is active. Its R&D activities have so far resulted in more than 18,000 patents granted globally.

The sharing of knowledge and resources facilitates continuous innovation impulses and shorter innovation cycles. Today, Siemens Healthineers is a strategic partner of 90 % of the world's top 100 healthcare providers.

In Singapore, Siemens Healthineers has been able to tap into the strong intellectual power base through collaborative research agreements with top-notch academia and research centers; with a common mission to shape the future of healthcare in the region.



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