

Siemens Digitalization Hub

Factsheet

What is Siemens Digitalization Hub?

The fully integrated Siemens Digitalization Hub in Singapore is the first for Siemens to offer an ideal place from which to serve the digital needs of our customers throughout Asia and beyond. The Hub brings together multi-disciplinary digitalization specialists such as software architects, analysts, engineers, developers and data specialists from different Siemens business divisions: Building Technologies, Digital Factory, Energy Management, Healthcare, Mobility, Power & Gas, Power Generation Services, and Process Industries & Drives - to experiment, learn and develop future-ready offerings, and new use cases.

What industry expertise does the Hub provide?

There are four pillars within the Hub that will cater to the respective sectors in Southeast Asia to digitalize their businesses through the various expertise housed within it:

- i. Urban Infrastructure Hub**
- ii. Digital Center for Oil & Gas**
- iii. Industry 4.0 Hub, and**
- iv. Healthineers Digital Hub**

i. Urban Infrastructure

The wide-ranging digital services offered by Siemens provide greater efficiency and integration to enable cities to meet the challenges of the 21st century.

These include:

Building Technologies Digital Service Centre

With our building performance analytics services we are able to use a building's voice to create perfect places.

- With our effective analytics tool Navigator, Siemens provides Digital Services that create full transparency around your operating numbers. We support you to master the challenges of today and tomorrow and help you by optimizing your building's performance sustainably.

Energy Management Energy IP – A Flexible, Scalable Platform for Smart Grid Applications

Siemens provides digitalization solutions to meet the needs of buildings through Energy IP.

- Energy IP Application Platform - This Siemens platform provides performance and flexibility to deal with millions of different sensors and data.
- EnergyIP Analytics Suite - With the EnergyIP Analytics Suite, Siemens offers a comprehensive set of applications that empowers utility professionals to solve complex business problems in a timely and cost effective manner.

City Use-Case Innovation Lab – CyPT

- The City Performance Tool (CyPT) allows urban decision makers to select tailored technologies that offer their own cities maximum environmental and economic benefits. Using exclusive Siemens data on more than 70 transport, building and energy technologies, CyPT delivers a detailed insight into the CO2 and air quality improvements you can achieve. It also identifies new local jobs each technology can create in your city.

- CyPT Air is an evolution of the CyPT tool that focuses on indicators for air quality and local concentration of emissions. It will be a formidable tool to help countries to fulfill the stricter national emission targets for the main pollutants and by this, will improve air quality in cities.

Mobility Services

Siemens provides mobility solutions that increase availability of infrastructure, optimize throughput and improve passenger experience.

- Railigent, is a new mobility platform that maps the entire data journey from track sensor to smartphone. It then transforms the huge a diverse amount of data into an intelligent, customized user interface that provides targeted and role-specific information for operation and maintenance.

Power Generation Services Remote Diagnostic Services

Siemens provides a data-supported approach to enable plant operators and energy generators to manage the performance of energy assets, lower operation and maintenance costs, reduce failure rates and achieve the highest return on investment.¹

- Remote Diagnostic Service helps customers optimize asset production by turning operational data into value. Siemens monitors the complete range of oil & gas and industrial rotating equipment to identify a potential problem before it impacts operation.

ii. Oil & Gas Digital Center

We provide innovative digital services that can help the oil & gas industry to keep costs low, while bolstering safety, increasing reliability and driving efficiency in offshore environments.

- Siemens automated process analytics and software tools collect and prepare data in support of improved decision-making, which in turn helps to reduce operational costs and expand the lifespan of equipment.

iii. Industry 4.0 Hub

The revolution of industry

Digitalization affects industry as much as end customers. Innovative digital services raise productivity and flexibility, allowing much faster response times to individual needs. To succeed in the future, you need to seize the opportunities of digitalization today.

The future of manufacturing

- Digitalization promises lower costs, improved production quality, flexibility and efficiency. It brings a shorter response time to customer requests and market demands. Productivity and energy efficiency can increase thanks to an integrated power supply. Solutions for the digital enterprise are already here - regardless of the sector or company size.

ZerOne.Design

- First-of-its-kind for the controls and automation industry globally to offer such technical consultancy services to help companies achieve their Industry 4.0 vision. The consultancy

possesses the technical expertise to propose effective technology improvements to help customers optimize their manufacturing processes, and digitalize their assets and machineries to enable analytics to better manage operations on a facility-wide level.

Digital enterprise

- Regardless of whether you want to enable individual solutions for end customers or reduce maintenance intervals and increase plant availability – digital plants are the key! With our integrated hardware, software, and services program, you will be able to record and intelligently leverage the huge quantity of data that processes generate.

iv. Healthineers Digital Hub

Digital ecosystem

- With the Siemens Healthineers Digital Ecosystem we are driving value in healthcare by enabling fast, easy and seamless interaction on data and knowledge. To do this, we are building a platform together with a broad range of partners and solution providers so that innovative services and applications reach healthcare providers faster. We believe that by interconnecting data and digital innovation, we can create an ecosystem of value for healthcare that will continue to grow beyond expectation.

teamply

- teamplay is a cloud-based network that brings together healthcare professionals in order to advance medicine and human health. teamplay brings this transparency to the modality fleet. With its built-in multi-vendor support, it grants instant access to fleet statistics. More crucially, it empowers healthcare professionals to identify improvement potential on all levels of execution.

MindSphere

Powered by MindSphere, the Hub will drive digitalization in Singapore.

- MindSphere is the open, cloud-based IoT operating system from Siemens that lets you connect your machines and physical infrastructure to the digital world. It lets you harness big data from billions of intelligent devices, enabling you to uncover transformational insights.

For more information: www.siemens.com.sg