

Singapore, 10 Sep 2020

Siemens launches first-of-its-kind advance manufacturing competence center in Singapore

- **One-stop advance manufacturing ecosystem that provides guidance and support for ASEAN companies in Industry 4.0 adoption**
- **Includes an Additive Manufacturing Experience Center that supports R&D, prototyping and low-volume 3D printing production**
- **Launched learning program under SGUnited Mid-Career Pathways Program to train individuals in industrial additive manufacturing**

Siemens officially launches its Advance Manufacturing Transformation Center (AMTC) today to provide guidance, support and training to companies in Southeast Asia on their journey of adoption, transition and transformation towards advance manufacturing.

AMTC is the first-of-its-kind, three-in-one competence center that combines the Digital Enterprise Experience Center (DEX), the Additive Manufacturing Experience Center (AMEC) and Rental Labs – creating a one-stop advance manufacturing ecosystem that addresses operational transition.

The DEX showcases Digital Enterprise solutions that enable companies to create digital twins of their envisioned advance manufacturing plants, so that they can simulate, optimize and evaluate manufacturing operations before constructing the actual manufacturing environment. It also provides manufacturing design consulting.

The AMEC is where companies can experience hands-on exposure to an advance end-to-end additive manufacturing production line supported by AMTC's ecosystem of technology partners. It fills the gap between additive manufacturing R&D and

commercialization by letting companies carry out prototyping, supported by on-site additive manufacturing experts.

The Rental Labs (Additive Manufacturing) provide affordable access to the latest industrial design software and high-end additive manufacturing printers as well as post-processing equipment – allowing companies to do low-volume 3D printing for proof of concept, and testing of such production line before deciding if they want to invest in additive manufacturing infrastructure.

“Today, most companies understand the urgent need for digital transformation, and the disruption brought on by the COVID-19 pandemic has emphasized that. But many companies are deterred by factors such as complex and unintegrated technologies, high cost of transition, disruption to business continuity and lack of technical experts,” said Raimund Klein, Executive Vice President of Digital Industries, Siemens ASEAN. “Siemens is supporting companies in their transition into Industry 4.0 with the AMTC, a consulting, training, R&D and small-scale production facility, all rolled into one.”

As a testament of how the AMTC can help to accelerate production introduction cycle, the center and its partners developed and manufactured a medical grade face shield using additive manufacturing in June this year. The face shield was designed by Tan Tock Seng Hospital (TTSH) for its COVID-19 front-liners. The optimized face shield has enhanced durability and strength, provides comfort wear and allows ease of cleaning.

Siemens, through the AMTC, is partnering SkillsFuture Singapore to roll out a six-month additive manufacturing training under the SGUnited Mid-Career Pathways Programme. The programme equips mid-career jobseekers with skills in additive manufacturing and digitalization to move into roles such as Programmable Logic Controller engineers and automation engineers, so as to better support the current wave of industrial companies undergoing digital transformation. The AMTC will host projects for trainees to work on and organise Project Demonstration Days for trainees to pitch their projects to potential hiring employers.

“The launch of its Advance Manufacturing Transformation Center reflects Siemens’ continued confidence in Singapore as a leading location to spur regional development and adoption of Advanced Manufacturing. We believe it remains relevant and will catalyse the digital transformation of businesses in the new operating environment,” said Lim Kok Kiang, Executive Vice President, International Operations, EDB. “We are also heartened that Siemens is supporting our mid-career professionals with training opportunities during this challenging period, and equipping them with skills for the future.”

The AMTC ecosystem currently consists of technology providers, education and research institutes, as well as government agencies. They are:

Technology Providers

- [EOS](#)
- [GeorgFischer](#)
- [HP Inc](#)
- [SESTO Robotics](#)
- [Ultimaker](#)

Education and research institutes

- [A*Star](#)
- [Singapore Polytechnic](#)
- [TUM Asia](#)
- [TUV SUD](#)

Government agencies

- [Singapore Economic Development Board](#)
- [JTC Corporation](#)
- [National Additive Manufacturing Innovation Cluster \(NAMIC\)](#)
- [SkillsFuture Singapore](#)

Contact for journalists:

Sujana Prasad
Siemens Pte Ltd
Tel: +65 9821 2684
Email: sujana.prasad@siemens.com

About Siemens

Siemens AG (Berlin and Munich) is a global technology powerhouse that has stood for engineering excellence, innovation, quality, reliability and internationality for more than 170 years. The company is active around the globe, focusing on the areas of power generation and distribution, intelligent infrastructure for buildings and distributed energy system, and automation and digitalization in the process and manufacturing industries. Through the separately managed company Siemens Mobility, a leading supplier of smart mobility solutions for rail and road transport, Siemens is shaping the world market for passenger and freight services. Due to its majority stakes in the publicly listed companies Siemens Healthineers AG and Siemens Gamesa Renewable Energy, Siemens is also a world-leading supplier of medical technology and digital healthcare services as well as environmentally friendly solutions for onshore and offshore wind power generation. In fiscal 2019, which ended on September 30, 2019, Siemens generated revenue of €86.8 billion and net income of €5.6 billion. At the end of September 2019, the company had around 385,000 employees worldwide. Further information is available on the Internet at <http://www.siemens.com>.