CT Suzhou

Suzhou, 2017

- Opened in September 2016, Siemens Corporate Technology (CT) Suzhou is an important location of the Siemens China Innovation Center (SCIC) Initiative, and Siemens' first research & development (R&D) location focusing specifically on digital technologies in China.

- Work at CT Suzhou concentrates on big data, the web of systems, intelligent mobility, cyber security solutions and industrial robotics. Collaborating across division boundaries, CT Suzhou conducts research in new digitalization solutions for both the Chinese and international markets.

- Suzhou's superb geographic location, eco-environment, talent resources and industry cluster effect, provide a solid basis for CT Suzhou's sustainable development. An important milestone in Siemens' move to expand its digital innovation ecosystem in China, the opening of CT Suzhou will greatly contribute to promoting the region's industrial upgrade and implementing innovative projects.

- CT Suzhou has five laboratories: Connected City Solutions (CCS), Cyber Defense Center (CDC), Robotics and Autonomous System, Data Analytics, and Industrial Internet of Things.

- Taking the industrial cloud as its data platform and digital services as its core value, Connected City Solutions (CSS) adopts a three-tier architecture: data collection, platform integration and application services. CCS provides digital solutions to ease traffic congestion, protect the environment, reduce energy consumption, ensure public security and maintain urban assets. For example, CT Suzhou's CCS lab has developed an "embedded city box" and installed five of the systems in Suzhou Industrial Park.

- Cyber Defense Center (CDC): the CDC lab aims to protect customers' digital assets and infrastructure, providing industrial safety monitoring, safety assessment and consulting, emergency plan and security trustee services.

- Robotics and Autonomous System: Siemens focuses on research into robot programming platforms, human-computer interaction and intelligent robot programming to provide intelligent robots with advanced digital and efficient operation for industrial enterprises.

- Data Analytics is an important delivery project of CT China. It combines the advantages of Siemens' data analysis platform to promote industrial big data solutions for the entire Chinese market. The Data Analytics lab

in CT Suzhou focuses on manufacturing applications, such as predictive maintenance and optimized operations.

- Industrial Internet of Things: not only does Siemens provide a transparent, high-level monitoring system for small and medium-scaled manufacturing facilities that ensures – through the collection and analysis of production data – that each of an enterprise's departments has its own data system, it is also working to upgrade and transform existing processes and equipment to achieve digital integration and optimization. With the help of digital twins, the existing production process and data will be optimized in simulations, thus enhancing production efficiency. CT Suzhou also specializes in the development of IoT solutions for smart home infrastructures.