

Siemens, The German Institute Taipei, the German Trade Office and the Taiwan Institute of Sustainable Energy

Taipei, Mar 3, 2022

Smart[∞] 2022 Taiwan Sustainability Summit

Siemens Joins with Taiwan and German Partners in Turning to Leading Technologies to Help Taiwan Realize City 4.0

- **Taiwan and German decision-making leaders gathered at the summit to discuss the urgent need for smart transformation and upgrading of cities due to global trends, and to promote the realization of the "Digital Nation, Smart Island" vision to ensure the sustainability of Taiwan's competitiveness.**
- **Siemens has advanced technologies in smart infrastructure, transportation, buildings, and energy, and it is committed to assisting Taiwan cities in creating City 4.0.**

In light of trends in climate change, urbanization, globalization, and demographic structure, cities are facing increased demands on their energy and water resources, along with growth in transportation volumes. The public and private sectors have strengthened cooperation, making use of digitalization and IoT technologies, thus integrating virtual and real infrastructure-related technologies in areas such as buildings, energy, and transportation. This has created a smart and efficient City 4.0 – urban areas that are well-poised to overcome these challenges, and that will successfully upgrade and transform the nation. Taiwan's Executive Yuan in 2016 launched the Digital Nation and Innovative Economic Development Program (DIGI+), which has promoted the creation of a strong foundation for Taiwan's digitalization and smart infrastructure for over four years. In 2021, this was upgraded to the Smart Taiwan initiative (2021-2025), which continues to move toward the Digital Nation, Smart Island vision, and City 4.0 will undoubtedly be an important key in helping Taiwan to implement this goal.



Siemens Ltd., Taiwan

8F, No3, Park St. Nangang,
Taipei, Taiwan



Deutsches Institut
Taipei
德國在台協會

German Institute Taipei

33F, Taipei 101 Tower,
No. 7, Xinyi Rd. Sec. 5,
Taipei 11049, Taiwan



Deutsches Wirtschaftsbüro
German Trade Office
Taipei
德國經濟辦事處

German Trade Office Taipei

International Trade Bldg.,
19F-9, No. 333, Keelung Rd.,
Sec. 1, Taipei 11012, Taiwan



TAISE
台灣永續能源研究基金會

Taiwan Institute for Sustainable Energy

5F, No. 35, Lane 11, Kwang-Fu
N. Road, Taipei, Taiwan

Embracing the idea of utilizing state-of-the-art technologies to transform Taiwan, Siemens Taiwan, the German Institute Taipei, the German Trade Office Taipei, and the Taiwan Institute for Sustainable Energy jointly held the 《Smart∞ 2022 Taiwan Sustainability Summit: Connect and Digitalize》 today. Decision-making leaders from Taiwan and Germany's industrial, public, academic, and research sectors participated. The summit was honored to have the Vice Minister Chuan-Neng Lin, Ministry of Economic Affairs, Republic of China (Taiwan) in attendance to participate and give an address. This year, organizers specially invited the mayors of five major cities -- Taipei City Mayor Ko Wen-je, New Taipei City Mayor Hou, Yu-Ih, Taoyuan City Mayor Cheng Wen-tsan, Kaohsiung City Deputy Mayor Charles Lin, and Hsinchu City Deputy Mayor Shen Hui-hon-- to gather under one roof for the event. The mayors shared their successful experiences in promoting urban digitalization, as well as their blueprints for becoming smart cities.

On the German side, organizers invited Jochen Partsch, Lord Mayor of Darmstadt, and Matthias Rebellius, Member of the Managing Board of Siemens AG and CEO Smart Infrastructure, to participate. They made video presentations, namely "Next Level of Smart Cities – City Intelligence and Digitalization in Germany," and "City 4.0 – Shaping Cities of the Future Today via Digitalization Intelligence and Interconnected Urban Infra," via which they shared leading-edge policies and technologies that were adopted to forge the successful smart transition of the German city of Darmstadt, as well as Siemens advanced smart city infrastructure technology that has helped cities throughout the world in upgrading and transformation, thus maximizing benefits and competitiveness. Seven joint Core Statement were issued during the summit, putting forth practical suggestions on how to optimize the operation of cities in order to move towards the goal of City 4.0 and accelerate the digital transformation of Taiwan.

Siemens Taiwan President & CEO Erdal Elver stated, "Digital transformation makes urban infrastructure interconnected and collaborative, optimizing urban efficiency, living comfort, and safety. Siemens has long been deeply rooted in Taiwan and has made outstanding contributions to the smart development of many cities. We embrace the principle of transforming Taiwan with leading-edge technologies, while sharing successful experiences from around the globe and

Siemens Ltd., Taiwan
8F, No3, Park St. Nangang,
Taipei, Taiwan

German Institute Taipei
33F, Taipei 101 Tower,
No. 7, Xinyi Rd. Sec. 5,
Taipei 11049, Taiwan

German Trade Office Taipei
International Trade Bldg.,
19F-9, No. 333, Keelung Rd.,
Sec. 1, Taipei 11012, Taiwan,

Taiwan Institute for
Sustainable Energy
5F, No. 35, Lane 11, Kwang-Fu
N. Road, Taipei, Taiwan

providing forward-looking technology to assist Taiwan in accelerating its progress towards City 4.0." German Institute Taipei's Director General Dr. Jörg Polster remarked, "Modernizing urban life in a sustainable way comprises many elements ranging from power supply to mobility to data management. Germany and Taiwan are best positioned to develop solutions for all of these issues – let's do this together!" GTO Executive Director Axel Limberg further pointed out, "Future Smart Cities will be fundamentally different from the cities we know today and from the past. This change will involve all areas of life from administration to living and working to mobility. The connection of these areas offers great opportunities for partnerships between German and Taiwanese companies that bundle their complementary core competencies and thus enable and offer new services. German industry leaders such as Siemens are excellent partners for pushing Taiwan's development and further strengthening our bilateral ties." Taiwan Institute for Sustainable Energy Chairman Dr. Eugene Chien stressed, "Technologies such as IoT, AI, and 5G mobile networks are the core of promoting the smart city. With the continuous transformation of the world, Siemens has made significant breakthroughs in technology. Hope Taiwan's development of smart cities can draw lessons from these improvements to reach the new level, and jointly accelerate progress towards City 4.0. Therefore, realize the future of sustainable homes."

To promote the digital transformation of cities and to accelerate the realization of City 4.0, the organizers jointly summarized seven core statements:

Statement 1: Digitalizing and transforming city infrastructures from isolated to interconnected

Statement 2: Transforming buildings into high-performing assets with digital technologies

Statement 3: Speeding up the development of Grid Edge to achieve energy independence

Statement 4: Speeding and scaling up the deployment of smart meters and meter data management for resource efficiency

Statement 5: Implementing digital solutions to better enable cities to cope with the recent water shortage issue

Siemens Ltd., Taiwan
8F, No3, Park St. Nangang,
Taipei, Taiwan

German Institute Taipei
33F, Taipei 101 Tower,
No. 7, Xinyi Rd. Sec. 5,
Taipei 11049, Taiwan

German Trade Office Taipei
International Trade Bldg.,
19F-9, No. 333, Keelung Rd.,
Sec. 1, Taipei 11012, Taiwan,

Taiwan Institute for
Sustainable Energy
5F, No. 35, Lane 11, Kwang-Fu
N. Road, Taipei, Taiwan

Statement 6: Utilizing Digital Twin and Simulation to manage urban mobility operations efficiently and safely

Statement 7: Upgrading existing traffic control systems with international standards and updated technologies

Contact for journalists

Siemens Limited Taiwan

Kate Wang

Tel.: +886 2-7747-8976; Email: kate.wang@siemens.com

German Institute Taipei (GIT)

Alex Hsu

Tel.: +886 2-8722-2807; Email: wi-20@taip.diplo.de

German Trade Office Taipei (GTO)

Linda Blechert

Tel.: +886 2-8758-5804; Email: blechert.linda@taiwan.ahk.de

Taiwan Institute for Sustainable Energy (TAISE)

Yu-ki Leong

Tel.: +886 2-2769-0951; Email: yukileong@ccstw.net

Siemens AG (Berlin and Munich) is a technology company focused on industry, infrastructure, transport, and healthcare. From more resource-efficient factories, resilient supply chains, and smarter buildings and grids, to cleaner and more comfortable transportation as well as advanced healthcare, the company creates technology with purpose adding real value for customers. By combining the real and the digital worlds, Siemens empowers its customers to transform their industries and markets, helping them to transform the everyday for billions of people. Siemens also owns a majority stake in the publicly listed company Siemens Healthineers, a globally leading medical

Siemens Ltd., Taiwan
8F, No3, Park St. Nangang,
Taipei, Taiwan

German Institute Taipei
33F, Taipei 101 Tower,
No. 7, Xinyi Rd. Sec. 5,
Taipei 11049, Taiwan

German Trade Office Taipei
International Trade Bldg.,
19F-9, No. 333, Keelung Rd.,
Sec. 1, Taipei 11012, Taiwan,

Taiwan Institute for
Sustainable Energy
5F, No. 35, Lane 11, Kwang-Fu
N. Road, Taipei, Taiwan

Joint Press Release

technology provider shaping the future of healthcare. In addition, Siemens holds a minority stake in Siemens Energy, a global leader in the transmission and generation of electrical power.

In fiscal 2021, which ended on September 30, 2021, the Siemens Group generated revenue of €62.3 billion and net income of €6.7 billion. As of September 30, 2021, the company had around 303,000 employees worldwide. Further information is available on the Internet at www.siemens.com.

Siemens Ltd., Taiwan
8F, No3, Park St. Nangang,
Taipei, Taiwan

German Institute Taipei
33F, Taipei 101 Tower,
No. 7, Xinyi Rd. Sec. 5,
Taipei 11049, Taiwan

German Trade Office Taipei
International Trade Bldg.,
19F-9, No. 333, Keelung Rd.,
Sec. 1, Taipei 11012, Taiwan,

Taiwan Institute for
Sustainable Energy
5F, No. 35, Lane 11, Kwang-Fu
N. Road, Taipei, Taiwan