

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

Taipei, Sep 12, 2019

Smart[∞] 2019 Taiwan Sustainability Summit

Siemens collaborates with Taiwan and German Partners to Co-create a Digi+ Taiwan through Industrial AI

- **Decision makers from Taiwan and Germany to gather and discuss the development of industrial AI in Taiwan and how best to realize the "Digital Nation, Smart Island" vision**
- **Siemens has advanced industrial AI technology and a cloud-based open IoT operating system. It is committed to assist Taiwan in realizing digital transformation in smart manufacturing, sustainable energy, and smart infrastructure**

Artificial Intelligence (AI) is bringing disruptive innovation to global industry and is rapidly changing social patterns throughout the world. Since 2017, Taiwan's government has identified AI as a focal point of national development, including AI into its Asia Silicon Valley project and Digital Nation & Innovative Economic Development Program (DIGI+). The Executive Yuan in 2018 introduced the Taiwan AI Action Plan with the mission of promoting industrial AI. The initiative calls on Taiwan to take advantage of its comprehensive ICT clusters and wellfounded software and hardware manufacturing capabilities to create an AI applications ecosystem in step with global trends. This will help realize the "Digital Nation, Smart Island," vision and make Taiwan's competitiveness sustainable.

Siemens, with its commitment to Grow Taiwan Together, teamed up with the German Institute Taipei, the German Trade Office Taipei, and the Taiwan Institute for Sustainable Energy in holding the Smart[∞] 2019 Taiwan Sustainability Summit: – Co-creating a Digi+ Taiwan through Industrial AI.



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TAISE
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Taiwan Institute for Sustainable Energy

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Over 200 decision makers from Taiwan's and Germany's industrial, public, academic and research sectors participated in the event. Taiwan President Tsai and Vice Premier of Executive Yuan Chi-mai Chen both attended the summit and gave remarks, during which they emphasized the government's full support of introducing industrial AI and Taiwan's efforts to become a smart nation. Among those attending this year were Minister without Portfolio Dr. Kung Ming-hsin; Germany's Federal Ministry of Economic Affairs and Energy (BMWi) Head of Division VI B3 Mr. Andreas Hartl; Siemens Chief Operating Officer, Chief Technology Officer and Member of the Managing Board Dr. Roland Busch; and Etron Technology CEO & Founder and AI on Chip Taiwan Alliance Chairman Dr. Nicky Lu. Addresses and discussions revolved around four main topics: Building the Digi+ Taiwan with Industrial AI; Leading Global Excellence: Industrial AI Made in Germany; Realizing the Digital Economy with Industrial AI; and Industrial AI – The Way to Digital Transformation. Participants touched on topics such as the government's development of AI policies; Germany's experience in developing industrial AI; and Siemens advanced industrial AI technology and implementation in manufacturing, sustainable energy, and urban infrastructure. Speakers also examined how industrial AI can assist Taiwan in its digital transformation and how to accelerate Taiwan's development of industrial AI. A six-point joint statement were issued at the event, centering on practical actions and recommendations on how AI technology can be used to accelerate Taiwan's digital transition.

Mr. Andreas Hartl, Head of Division VI B3 of Germany's Federal Ministry of Economic Affairs and Energy, who specializes in AI and the data economy, shared Germany's actual experience and explained how the German government's forward-looking policies helped promote the development of industrial AI. Dr. Busch, Chief Operating Officer, Chief Technology Officer and Member of the Managing Board of Siemens AG, talked about Siemens' experience in developing industrial AI and explained how Siemens has accumulated expertise in a variety of areas for over 170 years and in combination with AI has created value and brought significant benefits to a variety of industries. Siemens background in this regard will assist in industrial AI in Taiwan and AI industrialization.

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Siemens Taiwan President & CEO Erdal Elver stated, "Siemens has deep-seated industrial AI technology and a comprehensive industrial IoT platform, and it is committed to cooperate with Taiwan's public and private sectors in establishing a strong cooperative partner ecosystem that will help realize Taiwan's digital transformation." German Institute Taipei's Director General Dr. Thomas Prinz remarked, "A close collaboration between Government and private R&D Institutions, industries and the society is fundamental in building a competitive AI ecosystem. It is the Government's task to provide an innovative environment for AI to thrive supported by sound regulatory framework and research funding." GTO Executive Director Axel Limberg further pointed out, "Industry 4.0, digitization and artificial intelligence are the triad of sustainable industries in the future. In particular AI will significantly influence and accelerate the ongoing changes of the industry. Due to their specific expertise, German and Taiwanese companies are very well-suited to further develop AI technology by closely cooperating with each other." Taiwan Institute for Sustainable Energy Chairman Dr. Eugene Chien stressed, "Taiwan and German partners are encouraged to work together to industrialize AI applications in order to realize the digital transformation of Taiwanese industries."

To promote the implementation of Taiwan's industrial AI and realize digital transition here as soon as possible, the organizers jointly summarized six core statement:

Statement 1: Industrial AI creates great business potential for sustainable economic development.

Statement 2: A strong IIoT ecosystem shall be built to lay the foundation for Industrial AI.

Statement 3: AI competencies shall be nurtured through education, training and skills development.

Statement 4: Close collaboration between R&D institutions, industries and society is fundamental in building a competitive AI ecosystem.

Statement 5: AI shall be utilized to strengthen the cybersecurity of critical infrastructure and industrial operations

Statement 6: Industrial AI applications can tackle megatrend challenges and realize the vision of smart cities.

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Over 200 influential political and business leaders from Taiwan and Germany gathered s gathered at the “Smart[∞] 2019 Taiwan Sustainability Summit: Co-creating a Digi+ Taiwan through Industrial AI.” Taiwan President Tsai also attended the summit and gave remarks. (Photos from the left) Germany's Federal Ministry of Economic Affairs and Energy (BMWi) Head of Division VI B3 Mr. Andreas Hartl, Minister without Portfolio Dr. Kung Ming-hsin, Taiwan Institute for Sustainable Energy Chairman Dr. Eugene Chien, German Institute Taipei's Director General Dr. Thomas Prinz, President Tsai, Siemens Chief Operating Officer, Chief Technology Officer and Member of the Managing Board Dr. Roland Busch, Siemens Taiwan President & CEO Erdal Elver, Etron Technology CEO & Founder and AI on Chip Taiwan Alliance Chairman Dr. Nicky Lu, President of Business Today, Andy Y. H. Liang

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Joint Press Release

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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 electrification, automation and digitalization. One of the largest producers of energy-efficient, resource-saving technologies, Siemens is a leading supplier of efficient power generation and power transmission solutions and a pioneer in infrastructure solutions as well as automation, drive and software solutions for industry. With its publicly listed subsidiary Siemens Healthineers AG, the company is also a leading provider of medical imaging equipment – such as computed tomography and magnetic resonance imaging systems – and a leader in laboratory diagnostics as well as clinical IT. In fiscal 2018, which ended on September 30, 2018, Siemens generated revenue of €83.0 billion and net income of €6.1 billion. At the end of September 2018, the company had around 379,000 employees worldwide. Further information is available on the Internet at www.siemens.com.

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