



Siemens Taiwan Introduction

March 2021

Siemens innovations

Milestones in a 173-year history

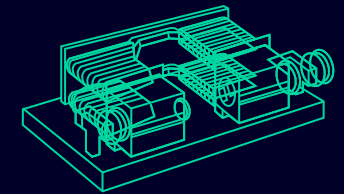
1816 – 1892

Company founder,
visionary and inventor



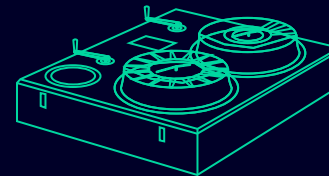
1866

The dynamo makes
electricity part of
everyday life



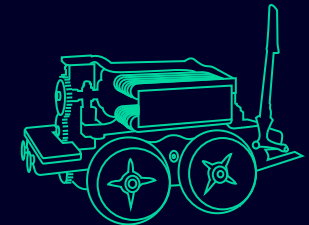
1847

Pointer telegraph lays the
foundation of Siemens as a
global company



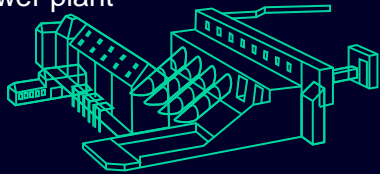
1879

World's first
electric railway



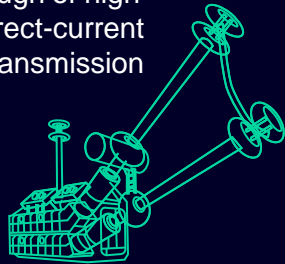
1925

Siemens electrifies the Irish Free State with a hydroelectric power plant



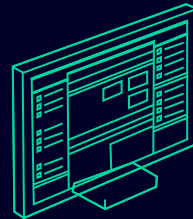
1975

Breakthrough of high-voltage direct-current (HVDC) transmission



2010

TIA Portal takes automation a stage further



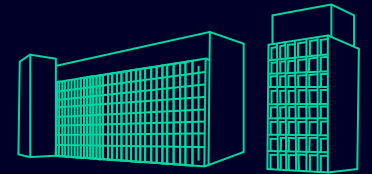
2016

MindSphere, the cloud-based IoT operating system



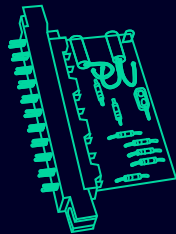
2019

Launch of first project for Siemensstadt 2.0



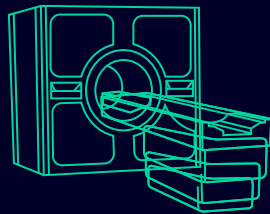
1959

SIMATIC revolutionizes automation



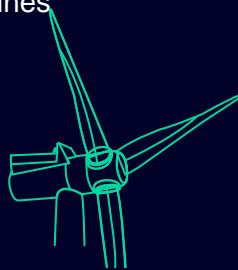
1983

First magnetic resonance imaging scanner



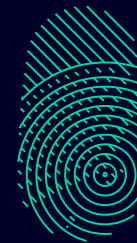
2012

Test operation of the world's largest rotor for offshore wind turbines



2018

Charter of Trust: a joint initiative for a secure digital world



2020

Comfy workplace app makes it safe to return to the office during the coronavirus pandemic



About Siemens

- Headquartered in Berlin and Munich, Germany
- Headed by CEO Dr. Roland Busch since February 2021
- 293,000 employees¹ in over 200 countries
- Revenue of €57.1 billion in FY 2020¹
- Net Income of €4.2 billion in FY 2020²
- #2 Most Sustainable Company by Dow Jones in 2020 (Industry)
- #1 Most Admired Industry Company by Fortune Magazine in 2020
- Aims to be climate neutral by 2030 (achieve net-zero carbon footprint)
- The B2B giant centering on Industry, Infrastructure & Mobility

Strategic Direction and Positioning of Siemens

Technology with Purpose to Transform the Everyday

Empowered People

Customer Impact

Technology with Purpose

Growth Mindset

Strategic
Priorities



Trusted Technology Partner & Sustainability Thought Leader in Taiwan

With our solutions, we're addressing the greatest challenges of our time

Healthcare system

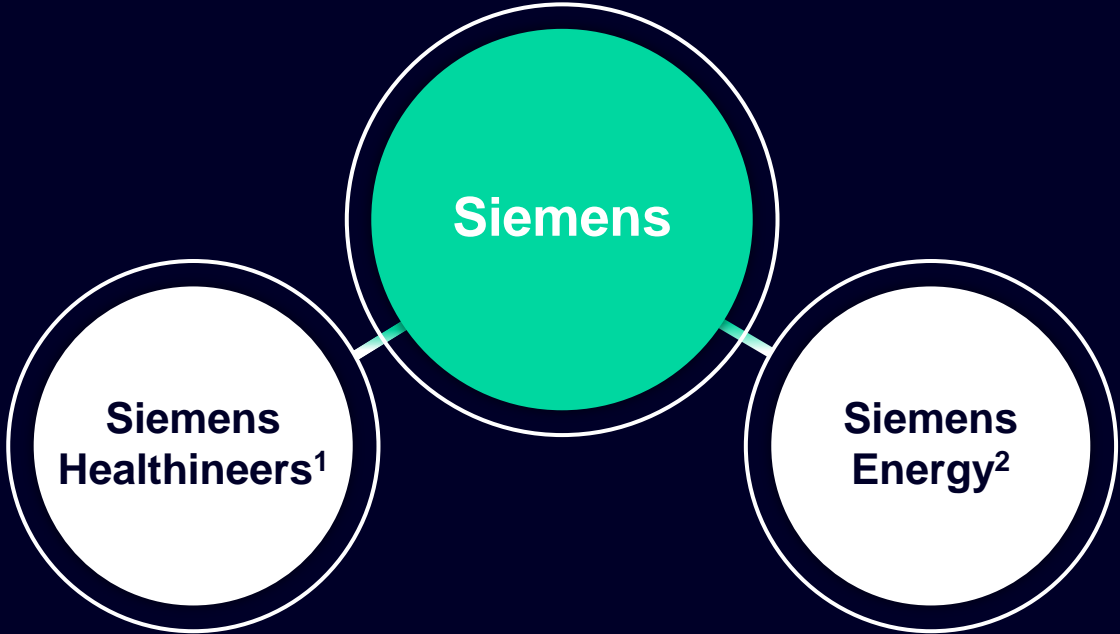
Aging society
 Population growth
 Personalized healthcare
 Increase in chronic diseases
 Affordable healthcare

Digital transformation of industry, infrastructure and mobility

Competitive industries
 Efficient infrastructure
 Economic growth
 Productivity
 Sustainable use of resources
 Prosperity

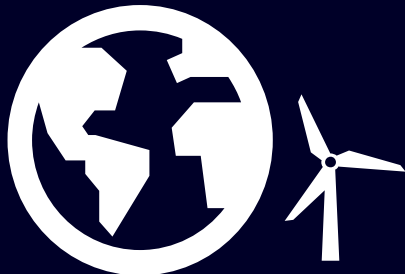
Energy transition

Reliable supply
 Increasing demand
 Distributed energy systems
 Climate change / CO₂ emissions
 Decarbonization



1 Publicly listed subsidiary of Siemens | 2 Publicly listed associate

Siemens aims to be net carbon-neutral by 2030



70%

of the electricity consumption of our sites globally is covered by renewables



54%

of CO2 emissions reduced since the launch of Siemens' CO2 neutral program



13 mil.

Euros annual savings in operating costs starting 2020 due to investments in energy efficiency projects



Innovation is the basis for our success



€4.6 bn
R&D expenditures¹

40,700
R&D employees²

5,120
Inventions¹

2,740
Patent applications¹



¹ In fiscal 2020 (without Siemens Energy)
² On average during fiscal 2020 (without Siemens Energy)

Core Technologies for the Digital Future

Additive
manufacturing

Autonomous
robotics

Blockchain
applications

Connected
(e)mobility

Connectivity and
edge

Cybersecurity

Data analytics,
Artificial intelligence

Distributed energy
systems

Energy storage
systems

Future of
automation

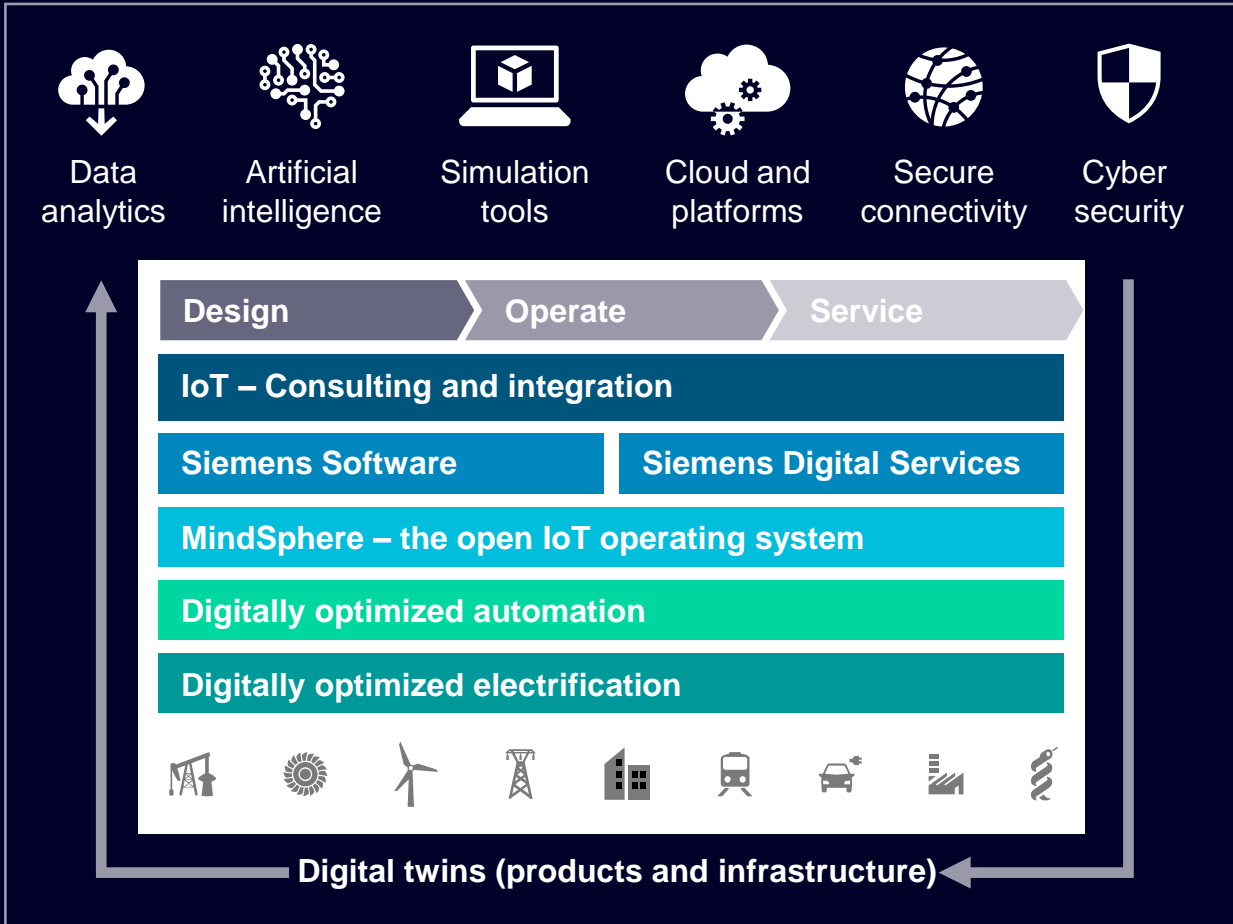
Materials

Power electronics

Simulation and
digital twins

Software systems
and processes

Our digital portfolio



€10 billion

invested in digital companies in the past 10 years¹

18

MindSphere Application Centers set up globally¹

Top 10

Siemens is one of the top 10 Software companies¹

~430

digital offerings¹

~1/3

of all new patent applications are in digital technologies²

~40,000

Employees in digital jobs at Siemens³

¹ As of September 30, 2020 (without Siemens Energy)

² In fiscal 2020 (without Siemens Energy)

³ As of September 30, 2019 (without Siemens Energy)

Siemens in Taiwan

About Siemens in Taiwan

- Earliest presence in 1955; officially established in 1989
- Strategic alliance with MOEA in 1994
- 2012: **Green Systems Partner Award** (by MOEA)
- 2013: **Best Company to Work For** (by Taipei City Gov.)
- 2014: **Diversified Innovation Partner Award** (by MOEA)
- 2016: **Innovation Propeller Award** (by MOEA)
- 2018: **Innovative Application Partner Award** (by MOEA)
- 2018: **Global Corporate Sustainability Award** (by Taiwan Academy of Corporate Sustainability)
- 2020: **Outstanding Professional Award** (by Taiwan Academy of Corporate Sustainability)
- Around 900 employees at 5 major locations under the Siemens ecosystem in Taiwan

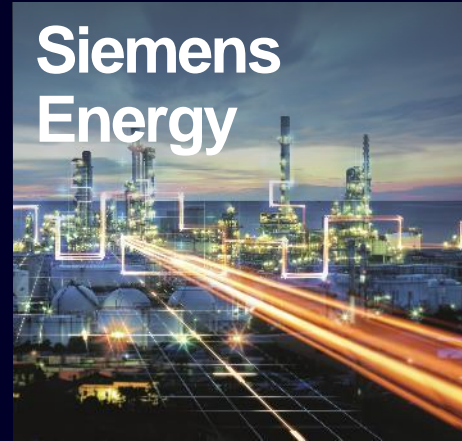
Company setup in Taiwan

Businesses

SIEMENS

SIEMENS
Healthineers

SIEMENS
ENERGY



Our business activities have contributed to the development of Taiwan in many aspects



- Equips 70% of the major semiconductor & TFT LCD manufacturers with automation solutions
- Assists TAIPEI 101 with energy-saving solutions, making it the world's tallest green building
- The island-wide power dispatch network uses Siemens' energy management system
- A leading supplier to Taiwan's rail transportation systems
- Siemens Healthineers (subsidiary) leads in next-generation healthcare through trend-setting innovations
- Siemens Energy's (associate) equipment generates around 20% of Taiwan's power capacity
- Siemens Gamesa Renewable Energy (associate) supplies turbines for the first offshore wind farm in Taiwan

Corporate Citizenship: Embracing our responsibility to society

Discover the Power
of Digitalization –
The Digital Escape



Campus science education programs educating our next generation the concept of Digitalization applied in **Smart Manufacturing, Intelligent Infrastructure and Energy Intelligence** through simple coding missions and puzzle-solving via the use of smart digital devices.



Corporate Citizenship – Digital Talent Development Programs on digital technologies & industrial AI

In 2014, we brought the “**Siemens Mechatronic Systems Certification Program**” to Taiwan, which combines the German dual education system with Siemens’ in-house knowhow.



The “**Digital Talents Development Program**” aims to create a diverse and knowledge integrated learning environment for vocational students and a matchmaking platform for enterprise internships.



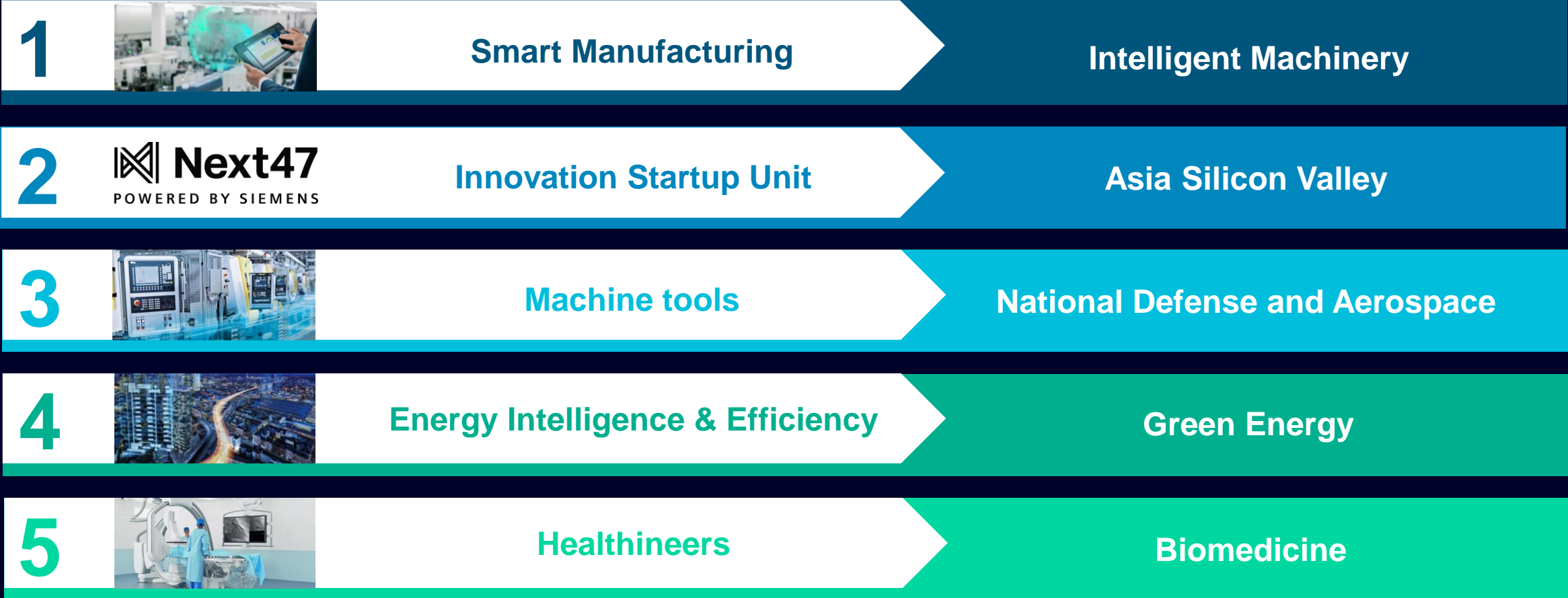
Since 2018, Siemens has been working with Taipei City Government in vocational training to co-nurture digital craftsmen in **Industry 4.0, Digital Manufacturing** and **IoT**.

In 2020, Siemens took the collaboration further to introduce **Industrial AI** education for high schools to further boost the innovation potential of Taiwanese young talents.

Our portfolio matches Taiwan's 5+2 Innovative Industries Plans and supports Taiwan's transformations

Siemens portfolio

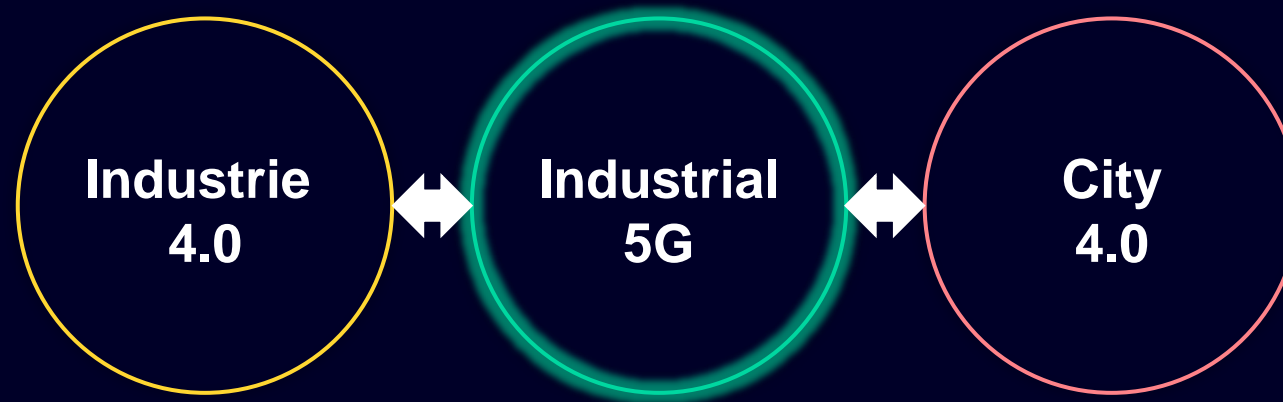
Taiwan Government's Innovative Plans





Connecting Industrie 4.0 and City 4.0 with Industrial 5G

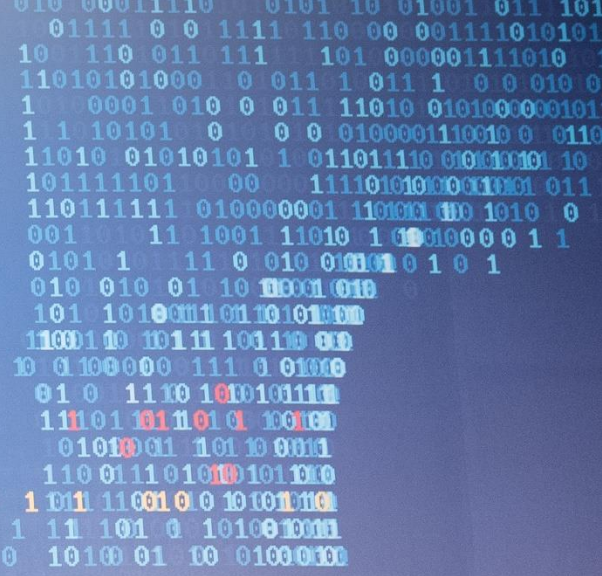
Siemens creates technologies with purpose to transform the everyday for Taiwan's successful transformations and sustainable growth, particularly in the areas of **smart and sustainable manufacturing** as well as **smart and sustainable infrastructure (cities)** – energy, mobility and buildings.





Smart 2019 臺灣永續峰會

以產業人工智慧共構數位臺灣



Commits to assist Taiwan in its industrial, infrastructure, energy and digital transformations



Commits to bring in our deep domain know-how in City 4.0, backed by Industrial 5G, to connect and digitalize critical infrastructure of Taiwan

Commits to bring in our knowledge in Industrie 4.0, Industrial AI and 5G to support Taiwan's Digi+ initiative



Commits to bring in our expertise in Energy Intelligence & Efficiency to support Taiwan's energy transition



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