



BRITAIN

Circular Economy

Asian Silicon Valley

Smart

Bio-medical Technology

Green Energy

National Defense



Global Supply Chain



Department of Investment Services,
Ministry of Economic Affairs, R.O.C (Taiwan)

Taiwan,
your best innovative
investment partner in Asia



Why Taiwan



Global Rankings

#1 Entrepreneurship
World Economic Forum

#1 New Product Dev.
World Economic Forum

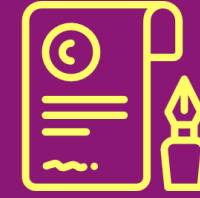
#3 Low Investment Risk
2016 BERI Report



Talent

49% bachelor's degrees or
higher
of total population

12.95 ‰ Researchers
of total workforce



IP Protection

**IP Regulations International
Standardization**

IP Police
dedicated to enforcement

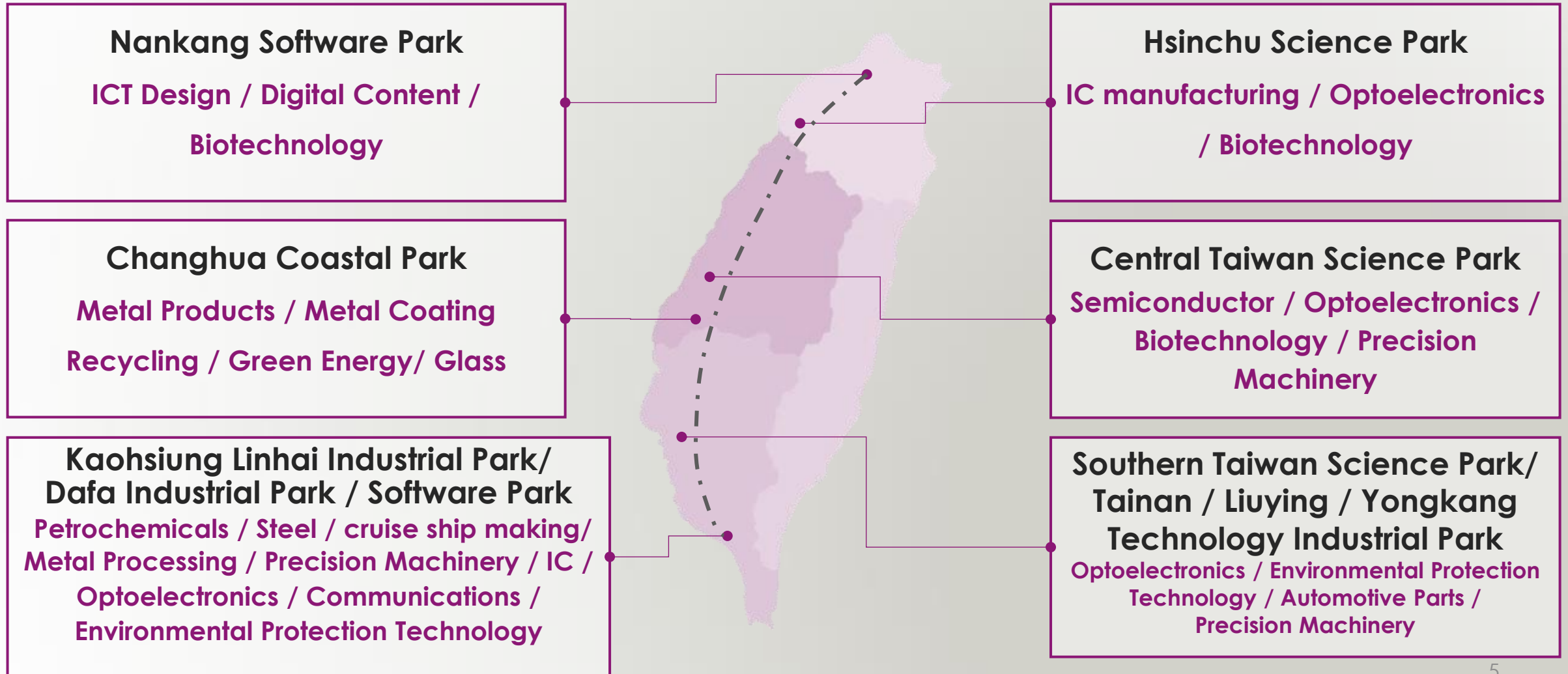
Trade Secrets Protection

IP Protection Respect

Industrial clusters



Taipei—Kaohsiung
1.5 hrs. by High Speed Rail



Hub of Global Supply Chains

Semiconductor

Wafer Foundry, IC Packaging, IC Testing, Mask ROMs, IC Design, DRAMs

Display

TFT-LCD Panels, OLED Panels, Portable Navigation Devices, PNDs

Electronic Parts

Electrolytic Copper Foil, CD-ROMs, Motherboards, TFT-LCD Panels, ABS, WLANs, IC Substrates, LEDs, PCBs

Textile

Glass Fabrics, Polyester Filament, PTA, PU Leather, Nylon Fiber, Functional Textiles, Carbon Fiber

Auto Parts

Lamps, Bumpers, Sheet Metal, Rearview Mirrors, Rubber/Plastic Parts, Molds and Dies

Metal Machinery Medical Devices

Screws, Nuts, Tin Bars, Electric Scooters, Electric Wheelchairs, Machine Tools, Plastic Machinery, Blood-glucose Meters, Contact Lenses, Bicycles

16 Cutting-edge R&D Institutes

Biotechnology Center



Textile Research Institute



Institute for Information Industry



Metal Industries R&D Center



Industrial Technology Research Institute



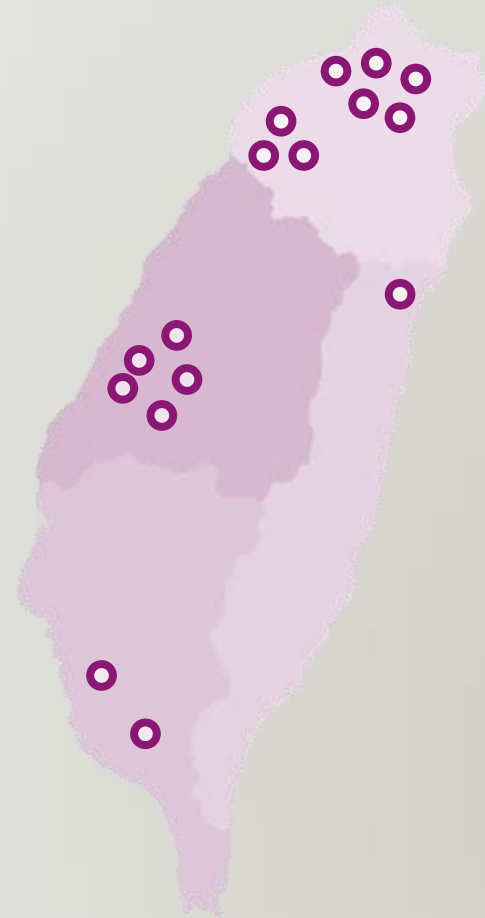
Automotive Research & Testing Center



Plastics Industry Development Center



China Productivity Center



Investment Incentives

R&D Guidance and Subsidies

- Encouragement of Enterprises to set up R&D Centers
- Small Business Innovation Research (SBIR)
- Proactive Technology R&D Program
- Integrated R&D Program
- Global Innovation and R&D Partnership Program

Tax Incentives

- Biotech Industry Investment Deduction
- R&D Investment Deduction
- Private Participation in Public Infrastructure Projects
- Business Income Tax 20%

Financing / Loans

- Loans for Promoting Industrial Innovation or R&D
- Preferential Loans for Distribution Services and Catering Industries
- Preferential Loans for equipment upgrading
- National Development Fund

Special Zones Incentives

- Free Trade Zones (FTZs)
- Science Industrial Parks
- Agriculture Technology Parks
- Export Processing Zone (EPZs)

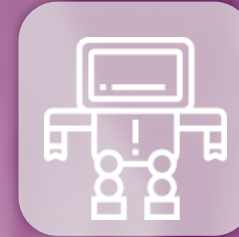
Investment Opportunities

5 + 2 Innovative Industries

Forward-looking Infrastructure



Asia. Silicon Valley



Smart Machinery



Bio-Pharmaceuticals



Green Energy



National Defense



Circular Economy



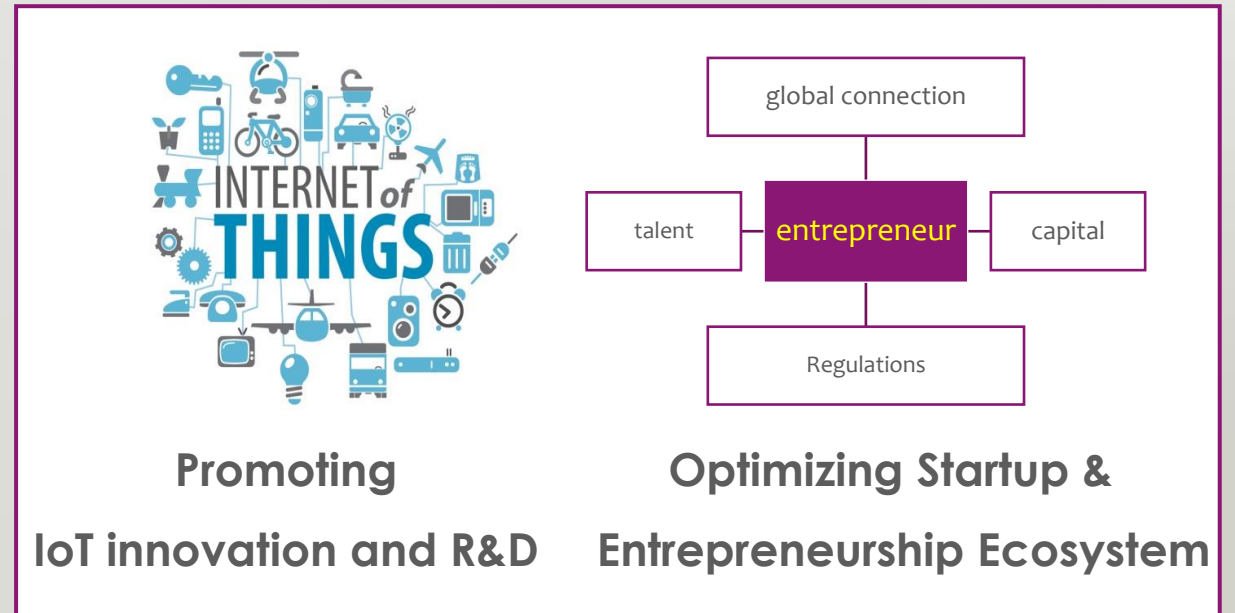
New Agriculture



Railway Vehicles

Asia•Silicon Valley | IoT Vision 2025

Output 152 – 314 bn
Added-value 63 - 80 bn
Annual GDP 0.9-1.7 %



5%
Global GDP

100
Startups or
R&D centers

3
International
System
Integrators

2
World-Class MNCs
Investing
in Taiwan

1
Virtual Education
Academy

Asia•Silicon Valley | Advantages of Investing in Taiwan

Talent

- Eliminate the regulation obstacles of visa, work permit, residency, and tax
- Drafting the Foreign Talent Act

Regulations & Tax incentives

- Relax laws and regulations to promote industrial transformation
- Help raise funds and encourage VC and angel investors to invest in high-risk startups by offering tax concessions and other incentives
- Relax laws and regulations to promote scholars to engage in the field of business

Capital

- Industrial Innovation and Transformation Fund: NT\$ 100 B (NDF)
- National Investment company: NT\$ 10B
- Angel Investor Program: NT\$ 1 B (NDF)
- Encourage banks to offer financing for 5+N innovative industries
- Loan offered has been increased 6 bn by the end of 2017

Asia•Silicon Valley | Advantages of Investing in Taiwan

An aerial view of a modern city skyline, likely Taipei, Taiwan. The image shows a river in the foreground, a large, curved, modern building in the middle ground, and a dense urban landscape with many skyscrapers in the background. The sky is clear and blue.

Innovative Test Beds

- Construct innovative test beds for AR/VR, smart logistics, smart medical, and smart grid applications

Optimizing Startups Ecosystem

- Taiwan ranks top on the global rating of entrepreneurship and environment for nurturing startups development
- Taiwan can catch the opportunities speedily and fill in the gap of IoT industry

Asia•Silicon Valley | IoT Business Opportunities



Smart Transportation

Smart Street Lighting &
Smart Roadside Parking
Solutions



Smart Home

Smart Modification of Old
Buildings &
Public Housing Innovation



Smart Manufacturing

Develop Industry 4.0
National Team to achieve
Technological
Independence



Smart Medical

Smart Healthcare Platform &
Smart Medical Solutions



Smart Agriculture

UAV Monitoring &
IoT Agricultural Technology



Smart Business

Smart Retail &
Smart Business Community



Smart Logistics

Intelligent Cold Chain
Management



Smart Grid & Environmental Monitoring

Asia•Silicon Valley | IoT Supply chain ecosystem

Applications

Smart Manufacturing

Delta Electronics, Advantech, CTCL, Mirle, TATUNG, HIWIN, Wistron, Inventec, Foxconn

CPS / Robots

Smart Healthcare

MiTAC, Advantech, Unitech Electronics, ARBOR, EBM., MiTAC, Broadweb

Data Integration / visualization

Smart Energy Saving

TATUNG, Arch Meter, InSenergy, AcBel Polytech, TECO, Edison Opto

System Management

Business & Logistics

Advantech, SAILS, STARWING, Unitech, XAC, MTI, CipherLab, Posiflex Technology, HCT

Data Analysis / Behavior Prediction

Smart Transportation

Garmin, PAPAGO!, CHT, Advantech, MiTAC, FETC, HAITEC

Data Analysis / Human-machine Interaction

Smart Home

D-Link, ASUS, Secom, Everspring, kbros, Farglory

Data Integration / Behavior Analysis

Network

Public

Open / Exclusive
Broadband

Exclusive

Information
Security &
Protection

LAN

Sensor

Field

Sensor

Motion &
Orientation

Environment
al &
Biological

Sound &
Optical

Sensor &
Driver

Force &
Vibration

Servo Drive
& Control

Mobile
Platform
Control

Smart Machinery | Capacity and Vision

Resources Platform

- R&D clusters
- Nurture cross-sector talent
- International collaboration & M&A

Fill in Visionary Industrial Needs

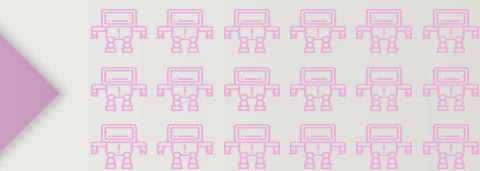
- Aeronautics & Astronautics
- Smart robots
- Precision medical devices processing
- ICT equipment

Global Expansion

To drive exports to overseas markets

Machine Tools & Parts	World's 7 th largest manufacturer Worlds' 4 th largest exporter
Aerospace Industry	Military-level manufacturers
Automobile & Auto Part	25% of global production 50% of global output
Wood-working Machine	World's 4 th largest exporter
Hand Tool	Worlds' 2 nd largest exporter
Optoelectronic Panel	World's 2 nd largest scale

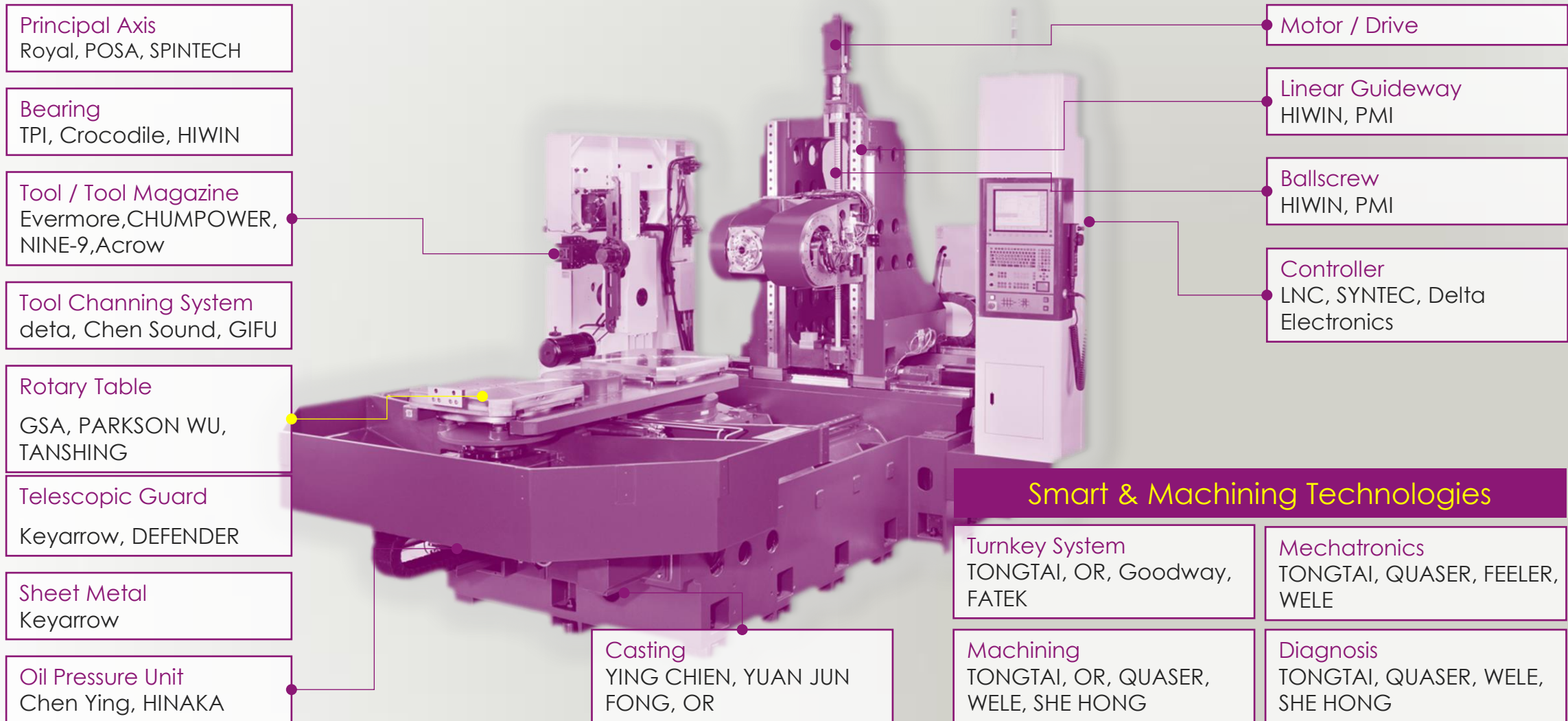
Intelligitization of Industrial Machinery



Industrialization of Smart Machinery



Smart Machinery | Taiwan Supply Chain



Smart Machinery | Investment opportunities



Digital Simulation & Analysis
Product Lifecycle Management
Big Data Analysis
Machine Learning
Artificial Intelligence(AI)



Smart Sensor
Industrial & Service Robot
Semiconductor FEOL & Advanced Packaging
Addictive Manufacturing
Aerospace Machine Tool & Advanced Controller



Cross-sensing & Controlling Device
Production Facilities & Production Lines
Integrated Smart Factory Solution for Operational Information

Cooperation Modes:

Business Partnership

investment, joint venture, M&A, equity participation

R&D and Design

R&D, technology transfer, turn-key development

Production & Manufacturing

ODM, OEM parts supply

Market Development & Marketing

brand & channel, turn-key transfer, agent & sales

Smart Machinery | Taichung

Taichung Gateway

Estimated to function from Jan 2019

Includes an **Innovation And Research Zone**
and a **Smart Operation Center**

Smart Machinery Development Center
will be established by ITRI, PMC, and relevant
associations.

Smart Machinery University Alliance
serves as a platform by which industries, the
government, and academic or research institutions
that work with enterprises in innovation, research, and
incubation thereby developing smart machinery and
aerospace industry.



Bio-Pharmaceuticals | Hub of Asia by 2025

US\$ **33**
billion output

20
new drugs

80
niche devices
sold overseas markets

10
successful
brand names

Promote Specialized key industries

- Precision medicine
- World-class specialty clinic clusters
- Healthy lifestyle industry

Connect Global Market Resources

- Global deployment
- The “New-Southbound” national strategy

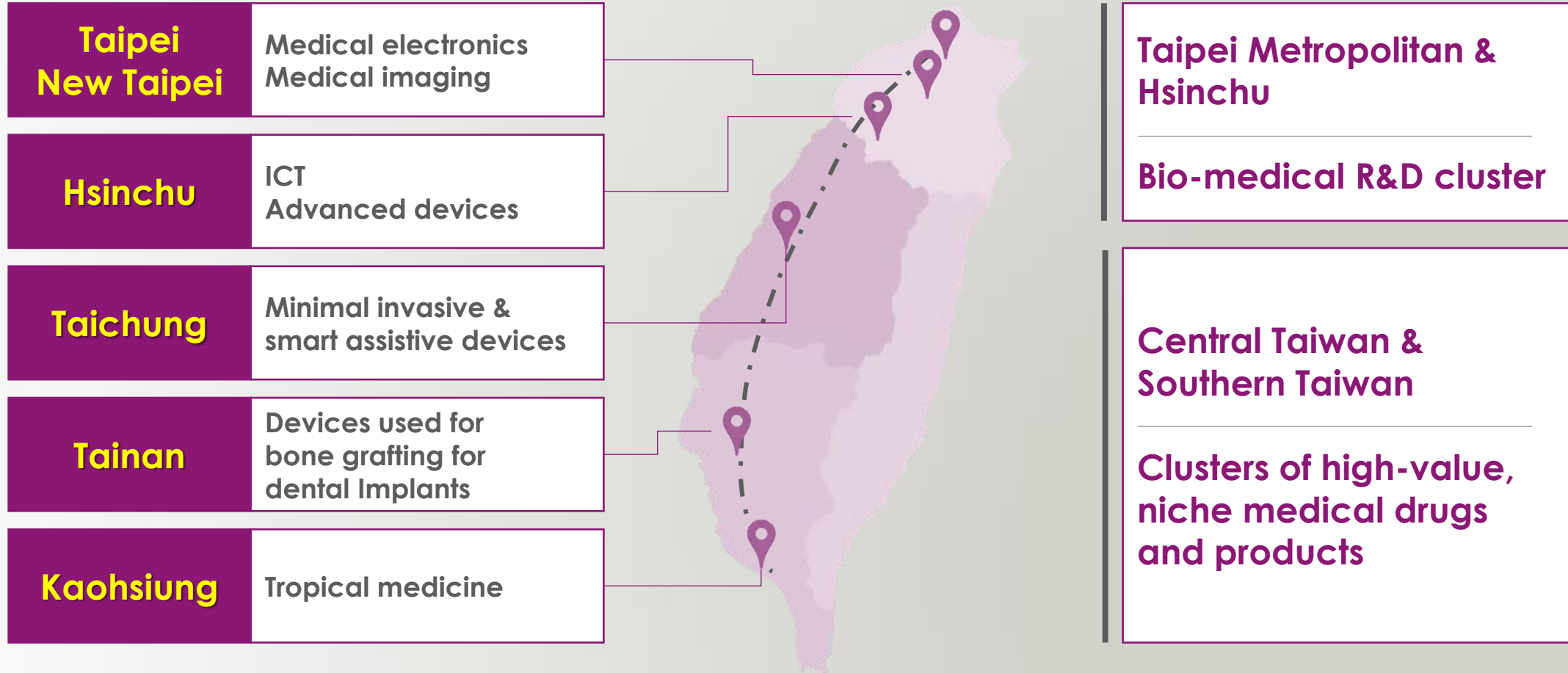
Establish Comprehensive Ecosystem

Innovation capabilities enhanced by better talent, capital, topic selection, intellectual property, laws and regulations, and resources

Integrate Innovation Cluster

Drug development accelerated and industry output increased by Integrating local unique medical devices and drug clusters

Bio-Pharmaceuticals | Nation-wide opportunities



Green Energy |

- Goal of “Nuclear-Free Homeland”:
- Renewable energy reaches 20% of total energy by 2020
 - drive US\$ 60 billion investment

Solar power goals

July 2016 - Jun 2018
to increase capacity by

1,520 MW

Rooftop / Ground-mounted: 1,055 MW / 465MW

2020-2025
total capacity from 6.5 GW to

20 GW

Rooftop / Ground-mounted: 3 GW / 17 GW

Wind power goals

by 2025 capacity to add up to

6.7 GW

Onshore / Offshore: 1.2 GW / 5.5 GW

Green Energy | Solar Power

strategy

Begin with rooftop panels

Large-scale ground-mounted panels

installed on buildings owned by Central Government, on factories, agricultural infrastructure, and others

installed on salt farm, areas of severe land subsidence, waters (reservoirs, detention pools, ponds, fishing ponds) and landfills

goals

Short-term target

Mid/long-term target

**Two-year solar energy program
Jul 2016 – Jun 2018**

Mid/long-term promotional plan

1,520 MW rooftop | ground-mounted
1,055 MW | 465 MW

**Green energy rooftop program
2018 – 2020**

2 GW rooftop



Green Energy | Onshore Wind Power

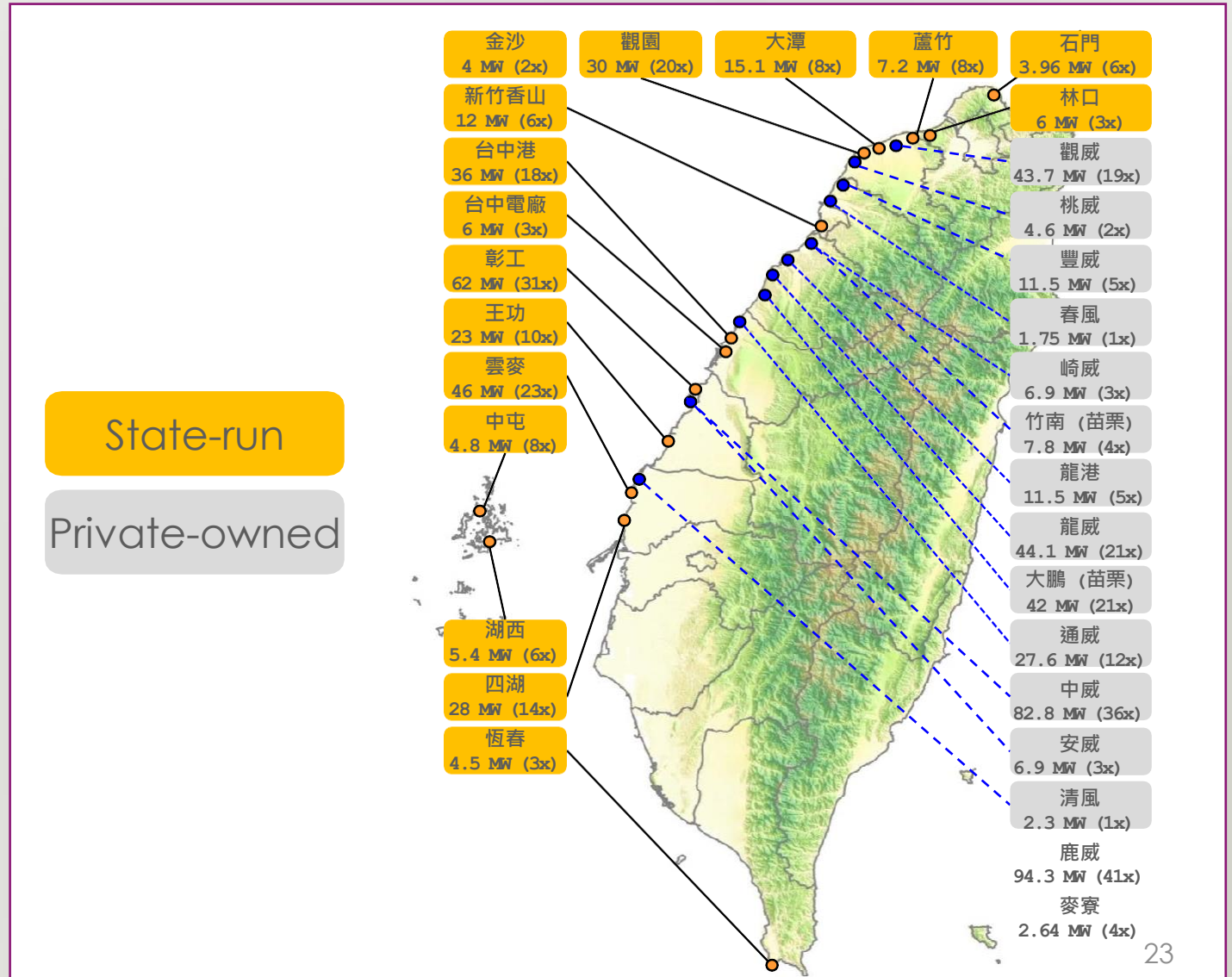
Current status

Existing units:

State 169 units / 294 MW

Private 178 units / 390 MW

Total 347 units / 684 MW

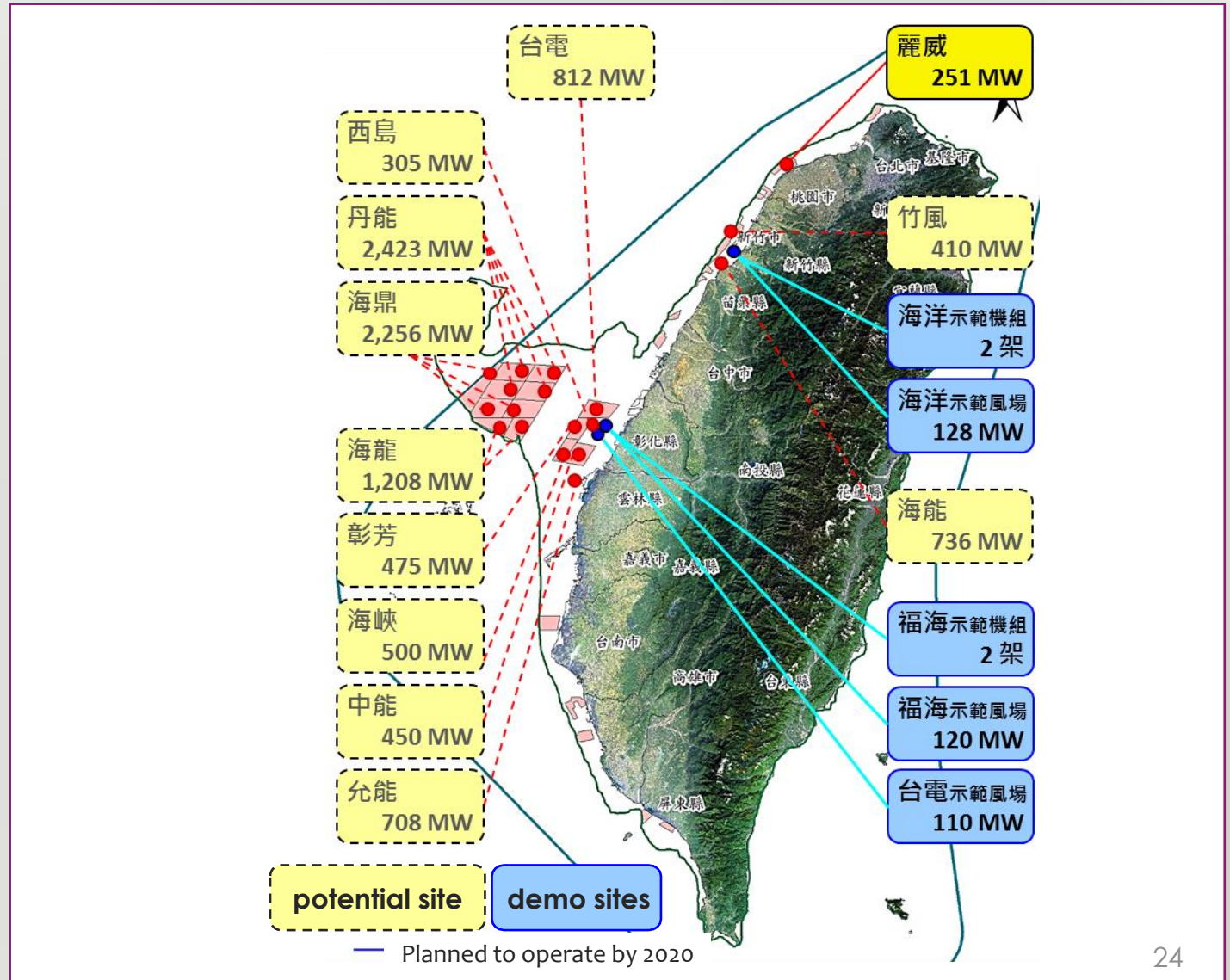


Green Energy | Offshore wind power

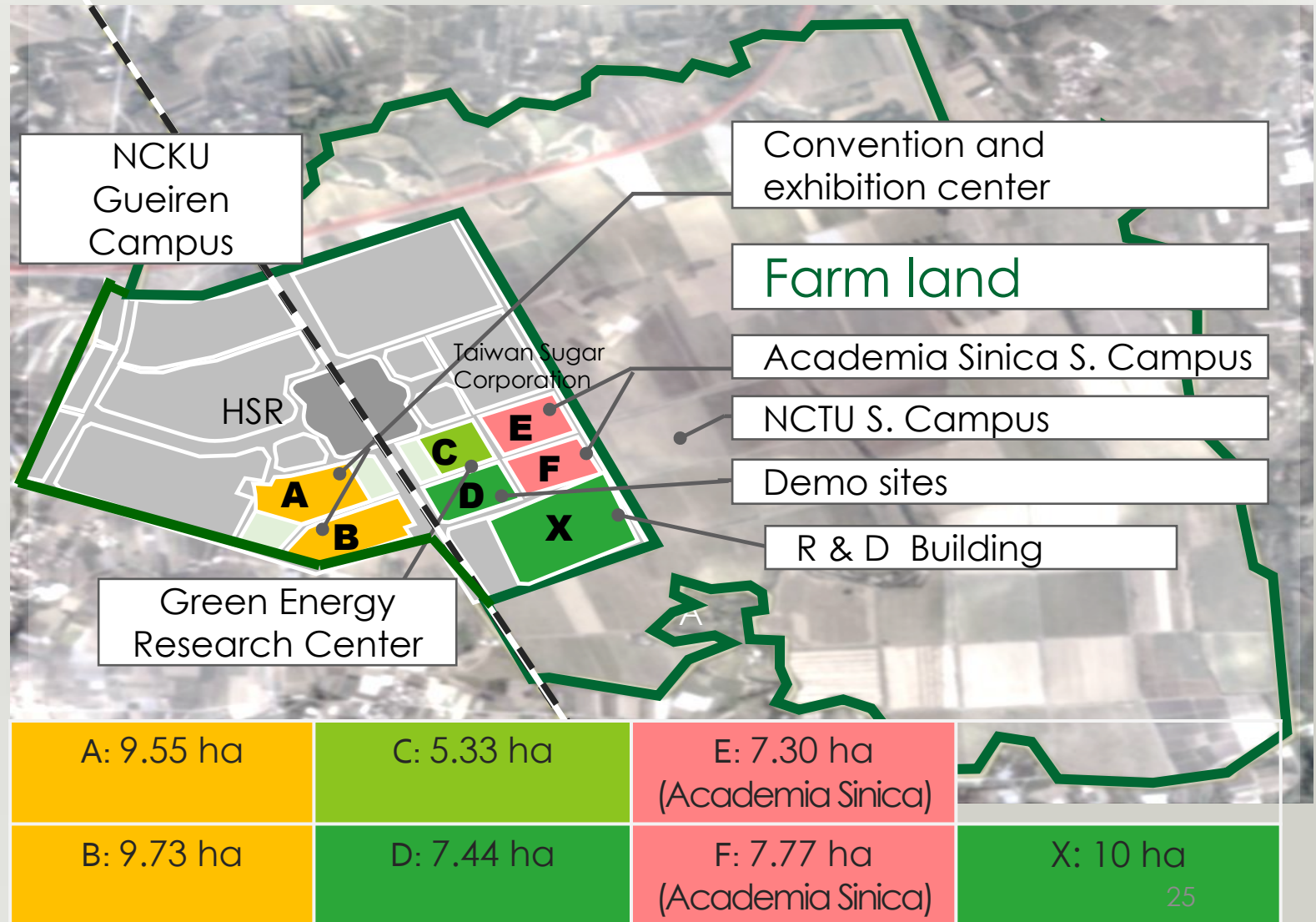
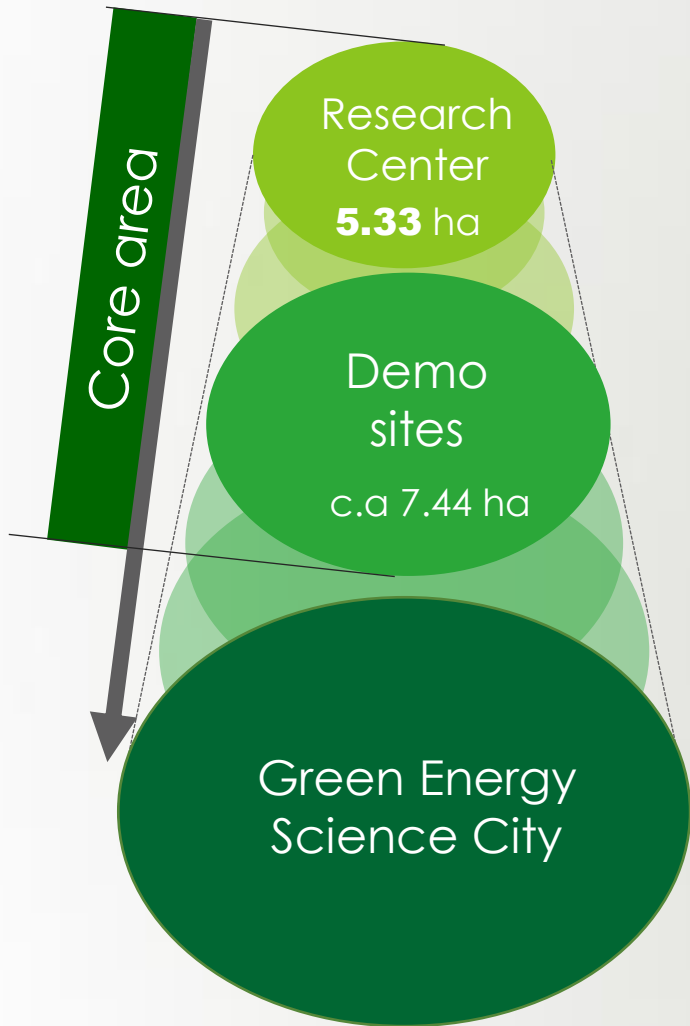
Current status

Completed units:
Two units (8MW) are under test run.

By the end of 2020
Accumulated 520 MW



Green Energy | Shalun Green Energy Science City



National Defense | Procurement Projects

- US\$ 2.2 bn (2017 – 2028) for advanced trainers
- US\$ 549 mn for surface crafts
- Future related businesses amounts to US\$ 8.3 bn



Electronics

Radar/
Communication
system /
Flat panel display
/ Remote sensing



Vehicles

Lightweight
structure/
Smart onboard
network system



Machines

Precision
processing/
Automated
machines



Materials

Lightweight, high-
strength composite
material/
Aluminum alloy/
Titanium alloy



Ships

Turbine engine/
Composite yachts
Hulls

Circular economy | Opportunities



High-Value & Green New Materials

\$3.3 bn
investment

\$10 bn
output

\$40 bn
related
output

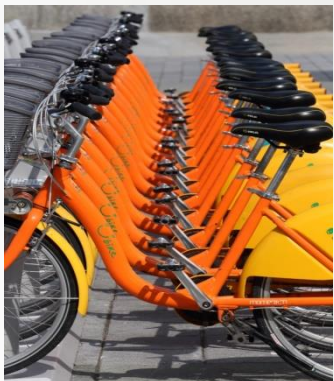
- 35 high-value new materials
- 20 green new materials

Recycle

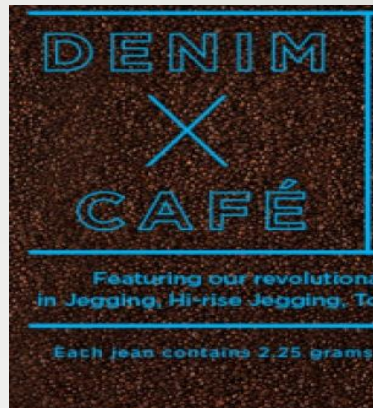
Rare-earth element metals disposed by high-tech industries amounts to **6,000 KG / month** but little has been processed & collected

- Taiwan tops the world in recycling industrial and general waste
- Recycled PET bottles, coffee grounds, etc. can become fabric for cloths

100 mn
YouBike trips



Textile made by
coffee grounds



TSMC recycled 95%



Clothes made of recycled
materials



New Agriculture | Vision

Agri-Tech Clusters

- Set up **Pintung Agricultural Biotechnology Park**
- Push for **high-value agriculture**

Processing Bases

- Establish **six processing bases** across Taiwan
- Achieve excellence by **working with international partners**

“Southbound” Strategy

- To work with **Southeast Asian partners** in terms of better farming, animal (and aquatic) vaccines, feed and additives, bio-organic fertilizer, and pesticide

Taiwan International Agricultural Development Co.

- The Corporation is set up to facilitate stable contractual relationship between **farmers and producers** and to **boost the export of agricultural produce and equipment**

Railway vehicles

Taiwan Railways Administration Procurement Plan (by 2024)

Items	Quantity	US\$ mn	Suppliers in the past
Inter-city electric multiple unit	600	1,146	<ul style="list-style-type: none">• HITACHI• SUMITOMO (Nippon Sharyo)
Regional electric multiple unit	520	867	<ul style="list-style-type: none">• Rotem (motive system: TOSHIBA)• Taiwan Rolling Stock (Nippon Sharyo)
Hybrid multiple unit for branches	60	170	--
Locomotive	127	804	--
Total		3274	

Railway vehicles

Forward-looking Infrastructure Procurement Projects



Signal
system

US\$ **459** mn



Communication
system

US\$ **40** mn



Electric power
system

US\$ **325** mn



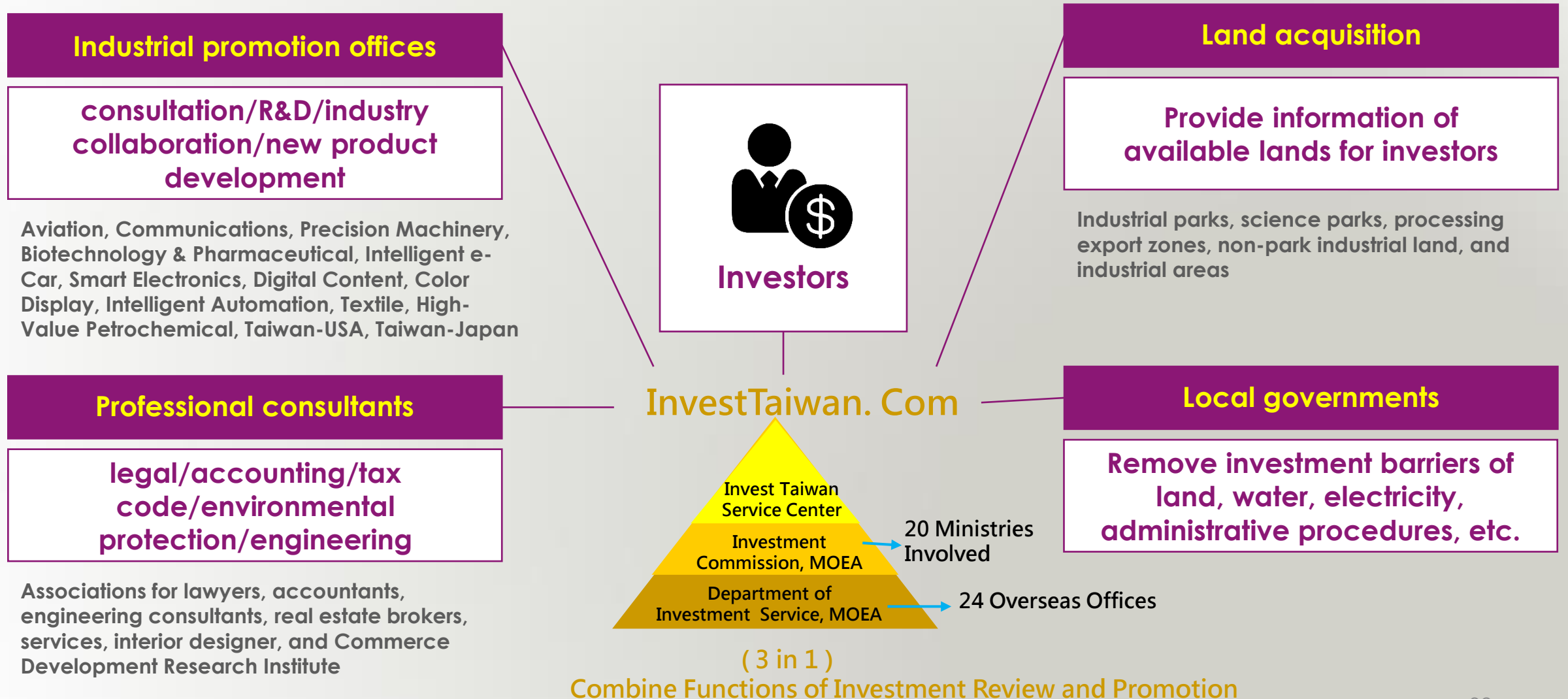
Centralized traffic
control system

US\$ **83** mn

A close-up photograph of two hands shaking in a firm grip. The hands are positioned in the center-left of the frame, with the fingers interlocked. The background is a blurred, light-colored surface, possibly a wall or a table. The overall tone is professional and positive.

One-Stop Investment Services

Single contact and customized services



Cross-department coordination

Pre-investment Exploration

- Industrial Development Bureau
- Dept. of Industrial Technology
- Bureau of Energy
- Dept. of Commerce
- Export Processing Zone Administration
- DOIS
- Other Ministries
- Local governments

During Investment

- Help facilitate
- application
 - construction
 - business networking

After-investment Operation

- Help
- clear obstacles
 - expand business
 - support start-ups

Successful projects



Tesla has established its head office, sales branches, and service centers with increasing number of charging stations. All the models are on sale, and **total investment is increasing.**



The top memory maker has acquired Inotera with our help in land acquisition. It will build a 3D DRAM IC packaging and testing plant in Taichung on Aug, 2017, **creating 1,000 jobs.**



3M has built its **Optically Clear Adhesives (OCA) R&D Center** in Southern Taiwan Science Park.



The world's second largest retailer has set up **13 stores in Taiwan** as of 2017, and its investment is still expanding. The government has been facilitating Costco's investment along the way.

Successful projects



The Japanese leading semiconductor material manufacturer invests in Yunlin Technology-based Industrial Park for producing photoresist.



The Japanese shopping mall developer plans to build up several malls in Taiwan. Mitsui Fudosan signed contract with Taiwan International Ports Corporation in September 2016 for establishing the mall in Taichung Port opening in 2018, the largest one in Taiwan.



WPD signed MOU with Yunlin county and Taoyuan city government in 2017 for developing offshore wind power. The both sites 'environmental impact evolution completed , which plan to operate in 2020.



Setting up its Taiwan subsidiary in May 2016 for investing in wind energy, Ørsted plans to operate the four sites in Changhua between 2021 and 2024. The environmental impact assessment was approved in February 2018.

Invest Taiwan

I 產業升級 · 優越競爭條件
Innovation & Entrepreneurship

選擇台灣三要素

優勢

機會

獎勵

我要投資台灣

InvestTaiwan
SERVICE CENTER

經濟部招商投資服務中心
Tel: +886-2-2311-2031

× 關閉





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Talent recruiters
Investors

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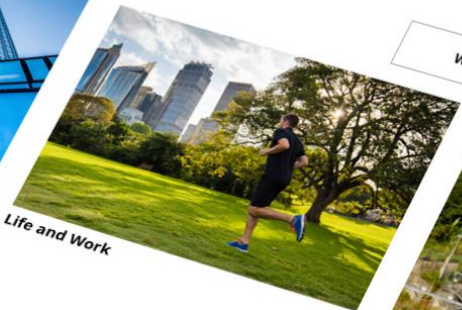
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