

2017 Taiwan ICT Introduction



Transform and upgrade
Taiwan's industrial structure with IoT

Drive economic growth
innovation and entrepreneurship

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Taipei Computer Association (TCA)**



2017.6.15~16
@Thailand

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Current general and ICT status in Taiwan

Taiwan is known for...

- ✓ The Major Procurement Center for Global ICT Companies & Buyers
- ✓ Ranked 1st in Worldwide Major ICT product market share for more than 10 products

- Land Area - 36,193 km²
- Population - 23.43 million (70% resided in urban area)
- Household- 8.38 million
- Per Capita Income (2015)
 - US\$ 22,632 (GNP)
 - US\$ 39,600 (PPP*)



ICT Penetration Rate

- PC : 88.4%
- Internet : 84.8%
- Mobile Phone : 113.2%
- Smart Phone : 65.4%
- Digital TV / STB : 78.9%

* PPP= Purchasing Power Parity

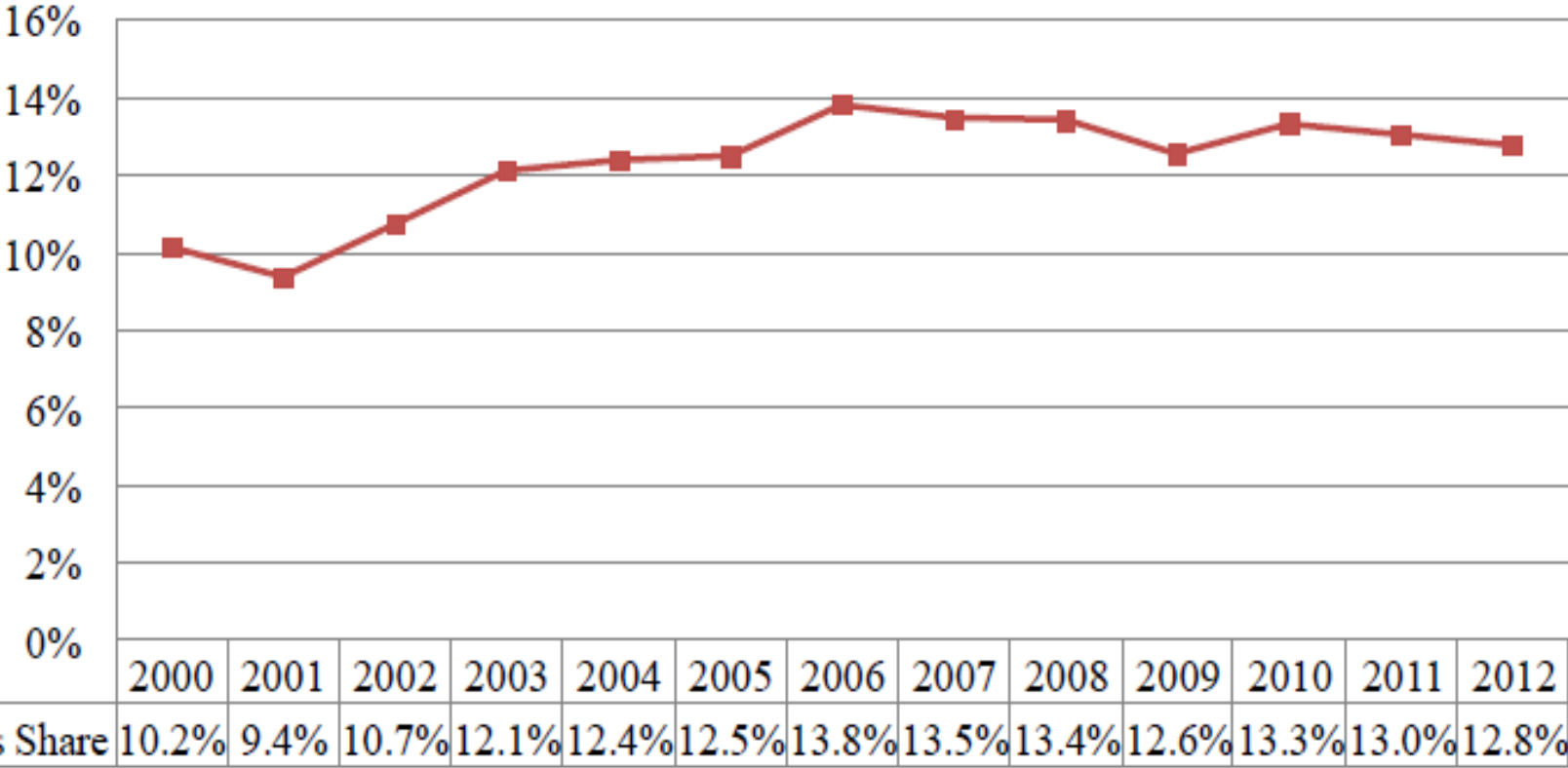
Worldwide leading ICT products Made by Taiwan

2015 World TOP 3 Taiwan ICT Industry/ Product

World No. 1	World No. 2	World No. 3
<ul style="list-style-type: none"> ➤ MotherBoard (89.9%) ➤ Notebook PC (80.9%) ➤ Desktop PC (27.5%) ➤ Server (17.3%) ➤ Wafer Foundry (70.3%) ➤ IC Packaging and Testing (54.2%) ➤ xCable CPE (80.2%) ➤ DSL CPE (63.0%) ➤ WLAN (62.4%) ➤ Portable Navigation Device (71.7%) ➤ PCB (28.7%) 	<ul style="list-style-type: none"> ➤ IC design (22.1%) ➤ (>10 in)TFT LCD display (21.2%) ➤ (<10 in)TFT LCD display (20.3%) ➤ IC Substrate (26.7%) ➤ Tablet (42.6%) 	<ul style="list-style-type: none"> ➤ LCD monitor (22.0%)

Contribution of ICT Industry to Taiwan's GDP

ICT Industry Percentage in terms of Contribution to Taiwan's GDP, 2000 - 2012



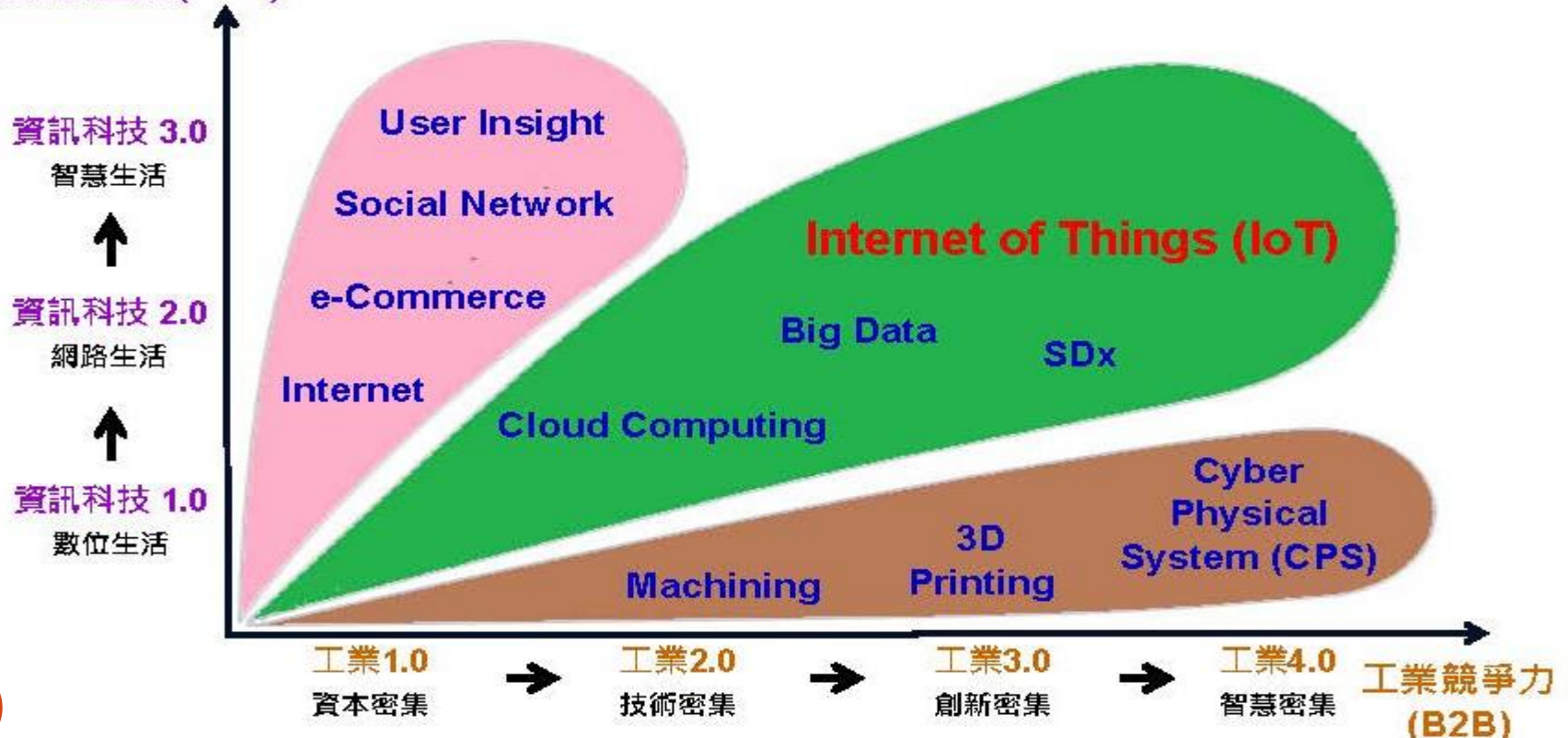
Source: DGBAS, compiled by MIC, January 2014

❖ According to the statistics from DGBAS (Directorate-General of Budget, Accounting and Statistics), Executive Yuan (Taiwan), Taiwan's ICT industry accounted for 12.8% of the total GDP in 2012.

IoT (Internet of Things) brings global digital nervous system

- Global internet device from 1 billion in 2016 to 14 billion by 2022
- By 2030, 25 billion active people have "smart" devices
- IoT is Internet of **Everything**
- The key index for development of IoT : information security, data, profiling, business intelligence, machine learning ,visual analytics, big data, the cloud, machine-to-machine, communication and sensors.

資訊科技生活(B2C)



Solid ICT infrastructure established



Taipei's Potentials for Smart City Development

- **Neihu Technology Park & Nankang Software Park**
- Neihu Technology Park : Over **4,400** Technology Company · Annual Revenue over **4.2 Trillion NTD**
- Over 70% citizens have mobile devices ; **80% Internet Penetration Rate.**
- Ecosystem : R&D, Design, Manufacture, International Trading Network
- Collaborating stakeholders to make Taipei evolve into international smart city.



IoT Innovation Living Lab

- Provide basic resources, cultivate creativity through incubator.
- Using IoT innovation to meet citizen's demand.

LoRa IoT Experimental Platform

- Free platform for experiment with coverage
- Spanning the entire Taipei City
- Low energy consumption, long distance, short data

Air Box-300 Environment Sensors

- Distributed to city elementary schools, given to developer communities and the public
- All data made public after collection

IgniteNet IoT Platform

- Sensors given to citizens and installed on vehicles
- Analyze car's route and speed along major and secondary thoroughfares

AoT Integrated Sensors

- Traffic flow analysis
- Analyze the effects of climate and humidity on traffic



IoT Innovation Lab



Business Model

Living Lab

IoT Lab(PoC trials)

Smart Transportation



Air Quality Sensors



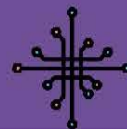
Smart Home



Smart Care



Other Smart Applications



Taiwan: Open Innovation System



The Open Innovation System of Taiwan ICT Industry

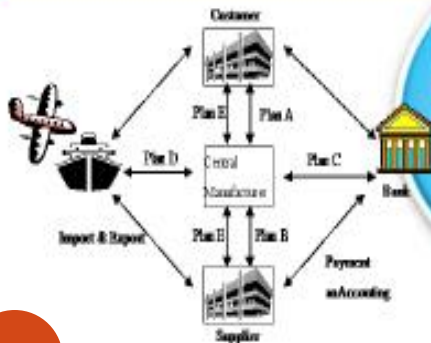
OEM → ODM → OBM

Vertically Integrated Industrial Clusters



- R&D Strategic Alliance between businesses
- Public R&D Program Support & Technology Transfer

Gov Stimulus Plans



- Multinational R&D Centers
- Global Supply-Chain Management

Human Resource

Knowledge

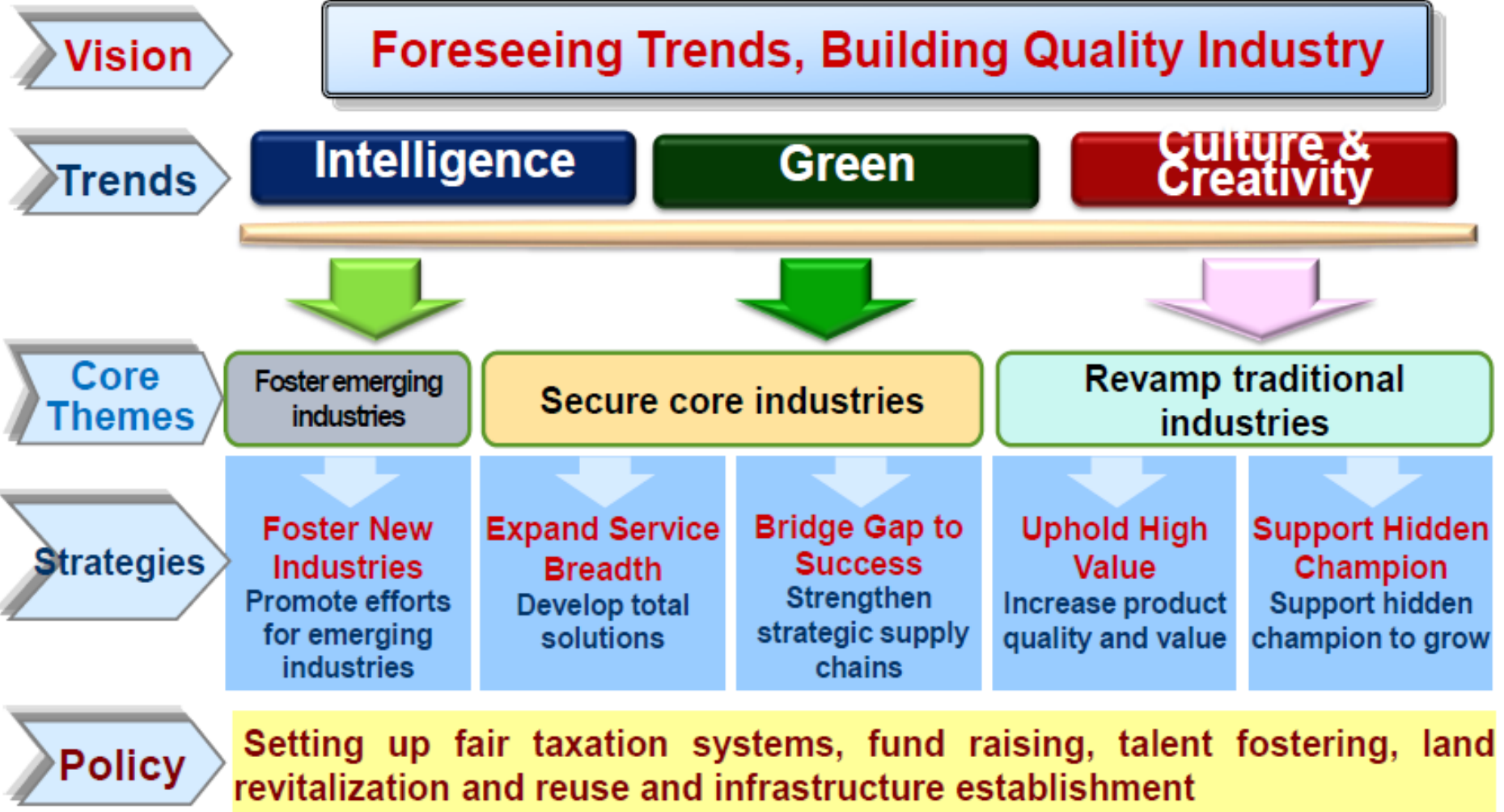
Education

Skill

Entrepreneurship

Information

Taiwan's Industry Seeks for New Opportunities



Taipei Computer Association (TCA) Introduction

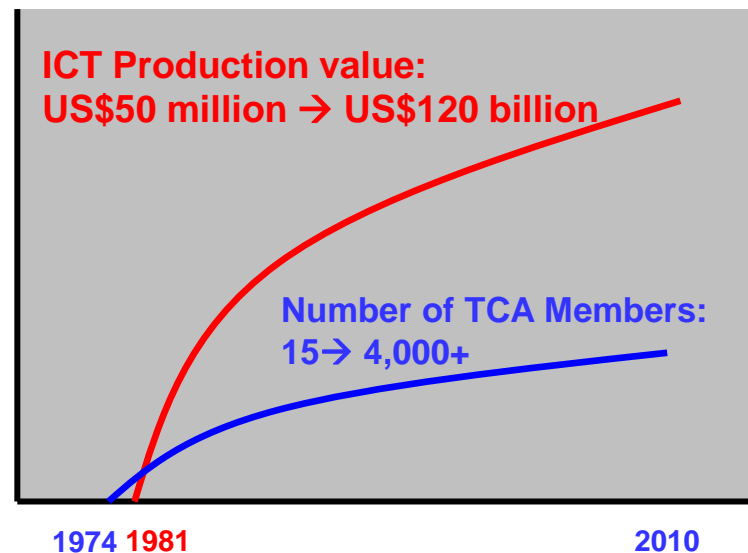


2018 TAIPEI
GAME SHOW
台北國際電玩展

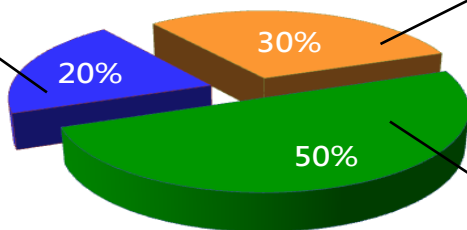


The Representative of Taiwan's ICT Industry

- Date of Establishment : November 5th, 1974
- Current Chairman : Tsu-Hsien Tung
(Founder & Chairman of PEGATRON)
- Regional Offices : Taipei, Taichung, Kaohsiung
- Overseas Branches Tokyo, Suzhou, Guangzhou
- Members : 4,000+ (including top 100 ICT companies ex Acer, ASUS, representing 80% of Taiwan's total ICT production value comes from TCA members)



Commercial Software,
Internet Software,
Communication, Multi-
media, ASP/ISP



Hardware, Peripherals,
Information Appliances

Telecom, Internet Service,
Retail, E-learning, E-commerce,
Publish Digital Documents

PEGATRON

Canon

MiTAC

AUO

htc

ASUS®

SYSTEMEX

DELTA

acer

DigiwinSoft

IBM®

GIGABYTE

EPSON


Microsoft

Serving as One of the Largest Association in Taiwan



Board Chairman

Secretary General

Computer Skills Foundation 

Information Centre

Industry Policy Legal Centre

Deputy Secretary General

Membership Services Division

Telecom Industry Division

Oversea & Industry Service Division

U-Service Division

Software Industry Division



Business Alliances

Along with the policy suggestion, we gathered the companies that are involved in the same field to form business alliances, now we have more than 40 alliances.



SIA
System Integrator Alliance
系統整合廠商聯盟



Cross-Straits Smart City Alliance
兩岸智慧城市交流聯盟



Big Data Alliance

智動化產業推動聯盟
Intelligent Automation Promotion



銀雲照護聯盟



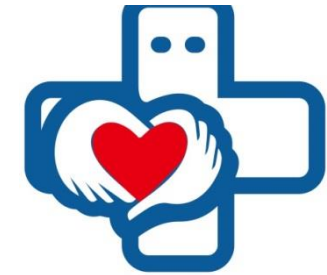
TIOITA
Taiwan Internet of Things Alliance



TwIoTA
台灣物聯網產業技術協會
Taiwan IOT Technology and Industry Association

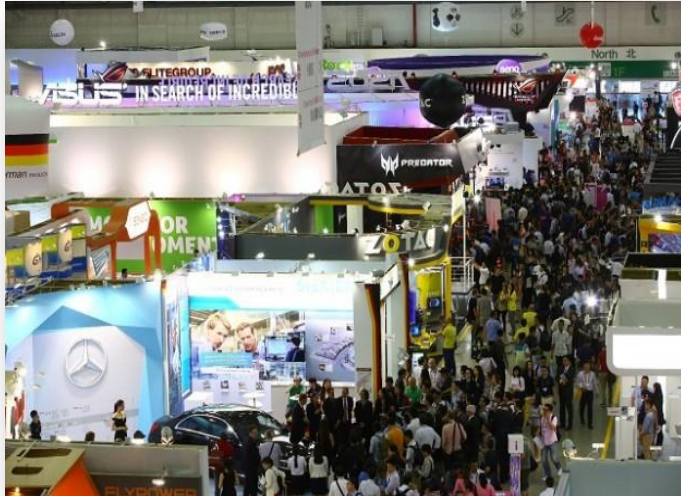


Open Data 聯盟
OPEN DATA Alliance



醫療健康照護促進會

To Educate Market, To Expand Business
Annually Attracted Over **3.6 Million** Visitors



Month	Exhibition	
Jan.	Taipei Game Show	
Feb.	Smart City Summit & Expo	
Apr.	Spring Computer Show	
Jun.	COMPUTEX TAIPEI (B2B)	
Jul.	Taipei Computer Applications Show	
Sept.	Digital Taipei	
Dec.	IT Month	

The Oscar Award in The ICT Field



APICTA – Asia Pacific ICT Alliance, is an alliance of national ICT organizations representing their respective economy to build and enhance a mutually cooperative network to promote ICT, enhance technology innovations, capability and adoption, and encourage the development of indigenous ICT solutions for the global market.



**“the Driving Force of Taiwan ICT Industry
&
a World-class Industrial Association”**



2017 Taiwan ICT Promoting Delegation Introduction



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Drive economic growth
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Smart Integrated Enterprise Solution



Enterprise Smart Cloud

knovia

Human Capital Management

Openfind™

Enterprise email Cloud Solution

PHANTOSYS

Intelligent Desktop Virtualization

DATA SUN

ERP Cloud

STRAAS

Video Streaming Platform

mobile mind

Mobile Middleware & Security Platform

IOT & Industry 4.0

TUTK
ThroughTek Co., Ltd.

IOT platform with P2P live streaming, recording, data collection

INFINITIES

IOT Cloud Platform

NETCHAIN

Wi-Fi Network & Security Solution

EMO
EMO Management Technologies INC.

MES Solution Big Data

