

Sustainable Move Towards a Smart City

Smart Innovation in Taiwan

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Taiwan at a Glance



Land Area

36,193KM²



Household

8.83 million



Population

23.57 million (69% resided in urban area)



Per capita income (2020)

US\$ 28,317 (GDP)

**Taiwan is known for the delicious food, friendly people, and
1st ICT Industry worldwide.**

Taiwan's Advantage for Being Smart



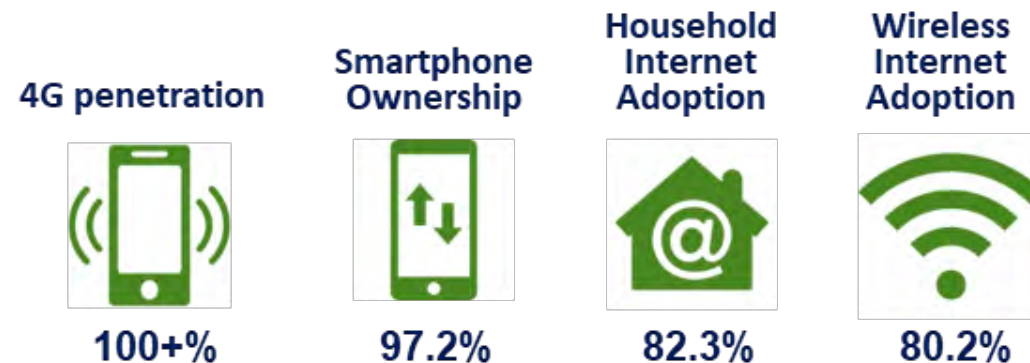
Top-notch ICT Landmark



ICT hardware market share ranks **World No. 1**



Over 80% ICT service penetration rate & Internet usage rate



Smart City Project Framework & Achievements



A New Model for Smart Cities in Asia



- **3 cities** (Taoyuan, Taichung and Taipei) were selected as the **Top 1 “Intelligent Community of the year”** in 2019, 2013 and 2006.
- **15 of 22 cities** in Taiwan have been nominated as the intelligent communities.



SMART21
COMMUNITIES OF THE YEAR

15



TOP7
INTELLIGENT
COMMUNITIES
OF THE YEAR

8



INTELLIGENT
COMMUNITY OF THE YEAR

3

Technology x Service x Governance

Two Empirical Cases in Taiwan...



**Environmental
Monitoring**



**Epidemic
Prevention**

COVID-19 Smart Epidemic Prevention



Early 2020 – Open Data for Masks Map Service

- IDB worked with industry, expanded mask daily production capacity from 1.8M to **18M** within 3 months.
- NHI worked released masks to the public in community pharmacy and convenience store, and also disclosed **mask inventory open data**.
- Startups and software engineer can develop their own **mask map** service with real-time searches and collection appointments.



Middle 2020 - Smart Quarantine Monitoring

- The location of quarantined persons are monitored 24/7, by **electronic fence** using wearable devices and cellphone positioning.
- Introduced the **GSM positioning system** with 80,000 base stations to grasp the movements of COVID-19 confirmed cases with big data.

Now - Diverse Smart Epidemic Prevention Products

- Domestically produced **infrared thermometers**, **automatic disinfection robot**, etc. to detect body temperature, Implement flow control, and environmental cleanup.



Looking for the Cooperation Globally



What we can do **Together...**



Build a working
platform for **Smart
Service** innovation.



Share experiences in
**Smart City
Development.**



Provide many kinds of
**ICT partnership
opportunities.**



Together for a Better Future

One person walks alone can be fast.

Many people walk together, mind our steps, so we can go far!





Thank You!!