Netherlands



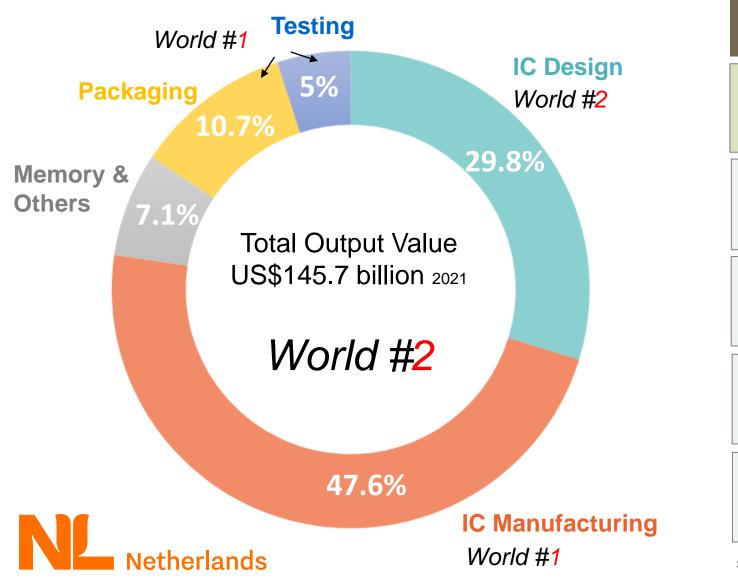


Semiconductor in Taiwan





World's 2nd largest player in IC industry





4

2021 Top 10 Semiconductor Companies in Taiwan

Ranking	Company	Туре	
1	TSMC	Foundry	
2	MediaTek	IC Design	
3	ASE Group	IC Packaging & Testing	
4	United Microelectronics Corporation	Foundry	
5	Novatek Microelectronics	IC Design	
6	Realtek Semiconductor Corp.	IC Design	
7	Winbond Electronics Corp.	Memory Manufacturing	
8	Nanya Technology	Memory Manufacturing	
9	Powertech Technology Inc.	IC Packaging & Testing	
10	Powerchip Technology Corp.	Foundry	

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Revenue base Source: ISTI of ITRI (2022/03)

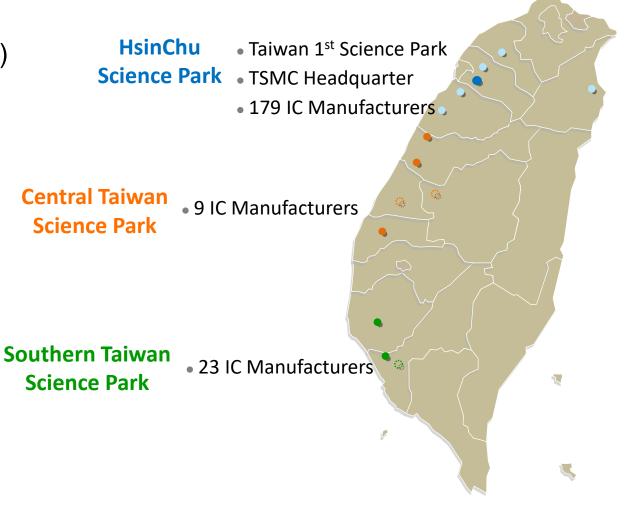
A STRONG and MATURE ECOSYSTEM

- IC products contribute 34,8% of total exports in 2021.
- More than 90% of the advanced chips (process nodes below 10 nanometers) is coming from Taiwan.
- By the end of 2020, Taiwan semiconductor industry consisted of **238 IC fabless design houses**, **13 fabrication companies, and 37 packaging and testing houses**. It also included substrate suppliers, wafer suppliers, mask makers, and lead frames companies.



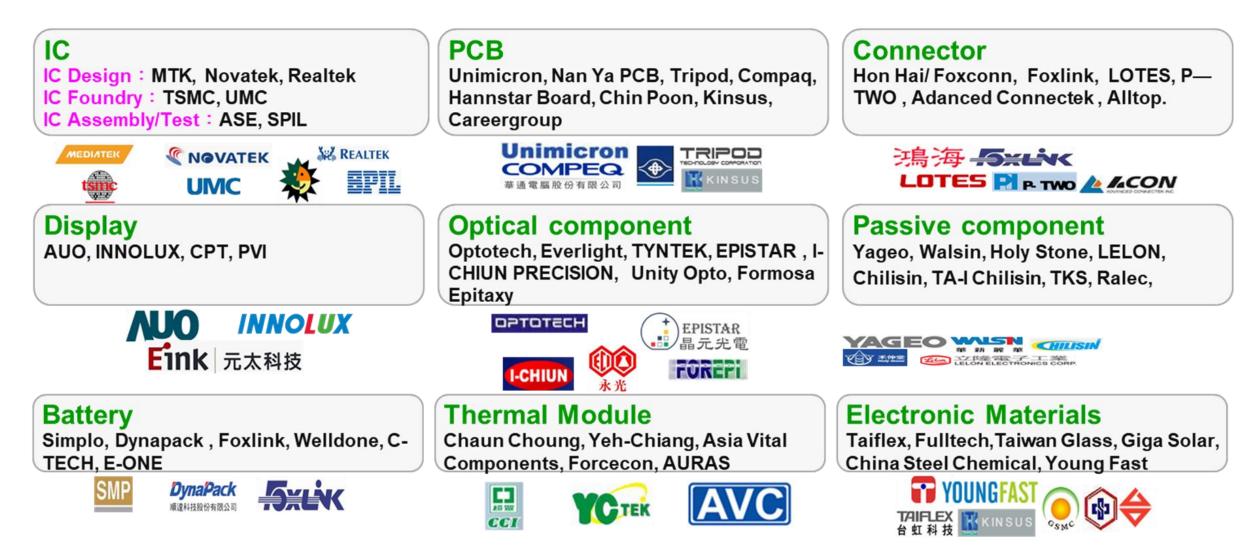
Everything on One Island

- Size is similar to NL (37 vs 41.000km2)
- Total 14 science parks (incl in development/ planning)
- 2.5 Hours from North to South by HSR





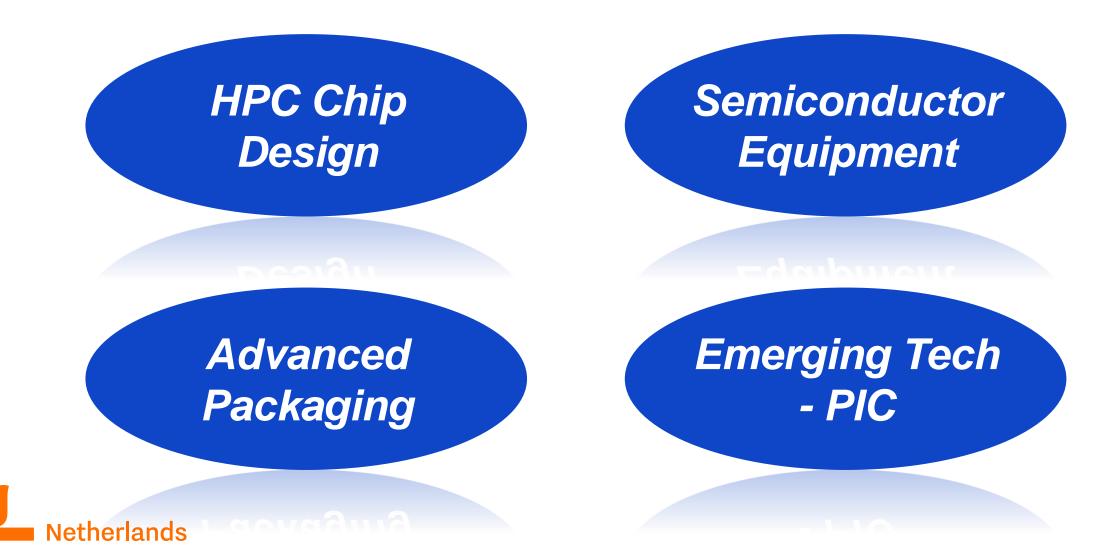
Comprehensive ICT Ecosystem in Taiwan







Next Generation Semiconductors Report



Semiconductor Equipment

Current Status

- In 2021, the output of Taiwan's semiconductor equipment industry reached US\$4.23 billion with a growth of 28.7% comparing to 2020.
- The domestic semiconductor industry invested US\$23 billion on equipment purchase. In which US\$20 billion of the investment was spent on overseas equipment purchase.

Future Focus & Trend-

- Government's policy aims to make Taiwan an advanced manufacturing process center for semiconductors.
- To localize equipment production operations of foreign companies.
- To localize the advanced packaging equipment.

Opportunity

- Collaborate for local development (*extend existing collaborations BESI, Trymax, Boschman, Tempress, Nearfield Instruments etc.*)
- Co-develop equipment for next generation semiconductor applications /packaging with customer's demand and markets (*new R&D opportunity* for Demcon, ProDrive, TNO, ..)





- ASML netto omzet uit Taiwan = 21 Miljard = 38.2%
- ASML announced huge investment plans in Taiwan



The Largest Semiconductor Event in Taiwan



The Largest Semiconductor Event in Taiwan

Optional: Leadership Gala Dinner

Exclusive networking opportunity that connects with 600 VIPs in Taiwan semiconductor industry. Location: Taipei, Taiwan Date: 06. Sep





Connect with Industry Leaders







NL High-Tech National Pavilion



Logo/ brochure/ product promotion Presentation opportunity

Networking / matchmaking

3 day SEMICON Taiwan

NL pavilion mission

Program elements:

• Field trip



NL Pavilion Mission Program (tentative)

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Date	Sept 3	Sept 4	Sept 5	Sept 6	Sept 7	Sept 8
Theme		Prep Up	<u>Round Table /</u> <u>Field Visit</u>	SEMICON Taiwan: Networking Day	SEMICON Taiwan: Matchmaking Day	SEMICON Taiwan
Morning	Fly-in	Fly-in (AMS-TPE)	NL Delegation Lunch Roundtable or/and	NL Pavilion Promotion & Showcase (e.g. seminar, stage-talk)	1on1 Matchmaking or/and	Exhibition or/and Free Time
Afternoon	· · · ·	Field Trip Visit	Field Trip Visit	NL Pavilion Networking Reception or/and	World Cafe Matchmaking at NL Pavilion	
				Pavilion Seminar		Debriefing – Tea Party
Evening	Delegation Briefing Dinner			Optional – Gala Diner ! 600 EUROS pp.	Networking Dinner	Fly-out (TPE-AMS)





Innovation Mission Photonics Integrated Circuits, Advanced Packaging & Heterogenous Integration

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
	Sept 3	Sept 4	Sept 5	Sept 6	Sept 7	Sept 8
Morning	Arrival	<u>NL – TW Innovation</u> <u>Cooperation &</u> <u>Matchmaking</u> <u>Conference</u>	Optional – hike Elephant Mountain <u>NL Delegations</u> Lunch Meeting	SEMICON Taiwan NL Pavilion Bring brochures/ promotion material to showcase at NL Pavilion Networking Reception	<u>NL – TW Technical/</u> <u>Expert Discussions</u> at Industrial Technology Research Institute (ITRI)	Optional – cultural visit Free time
Afternoon			<u>Company visit</u> ASE Group		<u>Company Visit</u> TSMC	Free time
Evening	<u>Briefing</u>		Optional – Night Market	Optional – Gala Diner ! 600 EUROS pp.	<u>Networking Dinner</u>	Departure

OTHERS

- NL TW High Level Semicon Dialogue
- Gala dinner (NL table)
- EUREKA GlobalStars
- Other delegations: UK / Sweden



Netherlands

I would love to continue the conversation.

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