

The Silicon Shield of Taiwan

護國神山
台積電



tsmc

The TSMC logo is centered in the image. It features a circular shield with a black and white checkered pattern. Overlaid on the bottom half of the shield is the word "tsmc" in a bold, red, lowercase serif font. A thick red horizontal bar is positioned below the shield, extending from its left edge towards the right.





台灣積體電路製造
股份有限公司

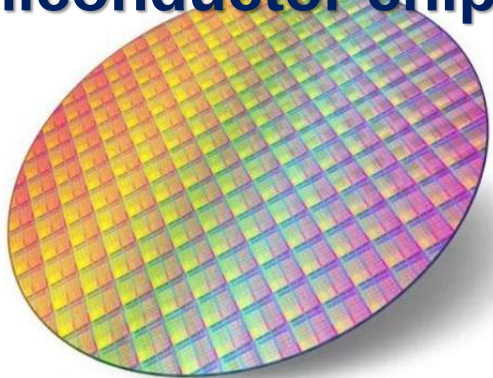
(十五 B 廠)

Taiwan Semiconductor
Manufacturing Company, Ltd.
(Fab 15 B)



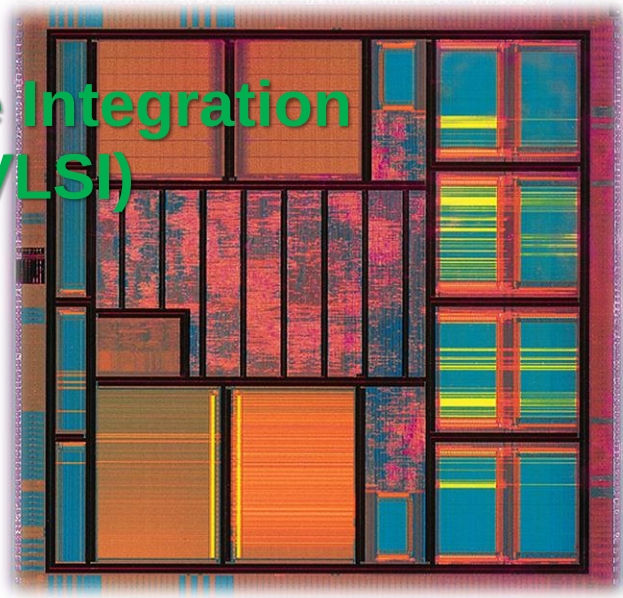
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Semiconductor chips 矽晶圓片



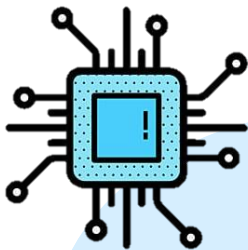
Integrated circuit 積體電路

Very Large-Scale Integration
超大型積體電路 (VLSI)



Silicon powder 矽粉





What are semiconductors?

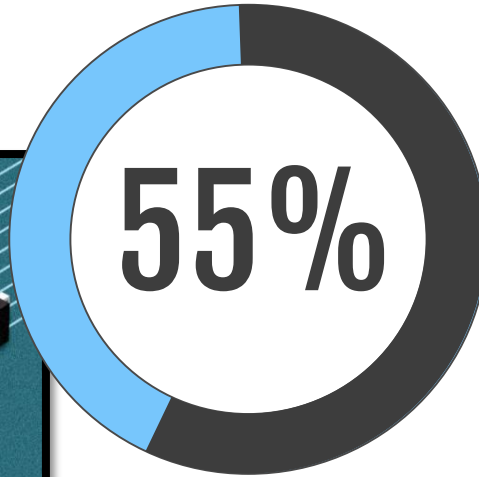
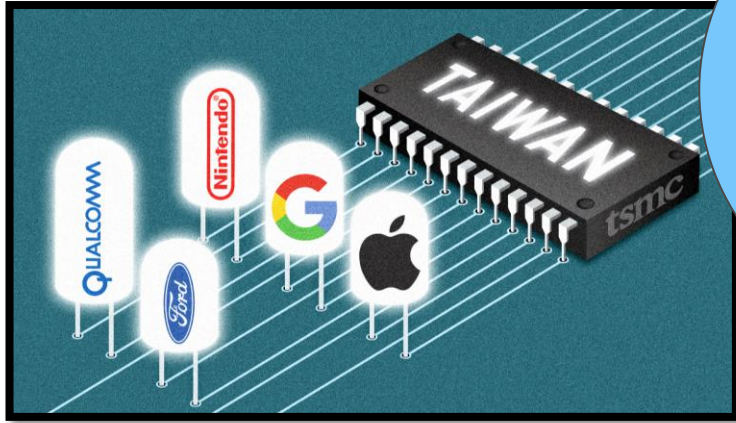
半導體(矽晶圓片)存在於生活中所有電子產品





(Taiwan Semiconductor Manufacturing Corporation)

Taiwan, TSMC, produces 55%
of all the semiconductors
in the world.



The background and history of TSMC

- In 1980, Taiwan decided that it wanted to compete in the technology global trade.

1980年台灣積極推動高科技產業

- The government asked Morris Chang, 張忠謀 to help develop the technology market.

政府邀請張忠謀先生自美返台協助

- TSMC started in 1987. Morris Chang was the founder.

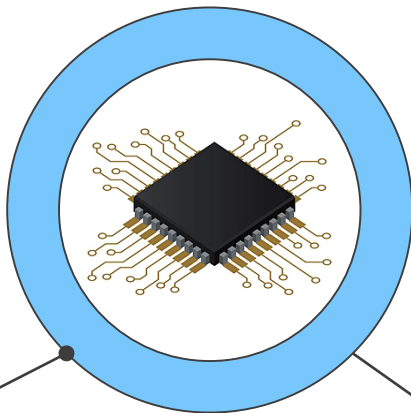
1987年張忠謀先生創立台積電



Different steps turned TSMC into #1

1. TSMC got investment from local enterprises and Philips.

得到台灣民營企業及飛利浦外商的資金

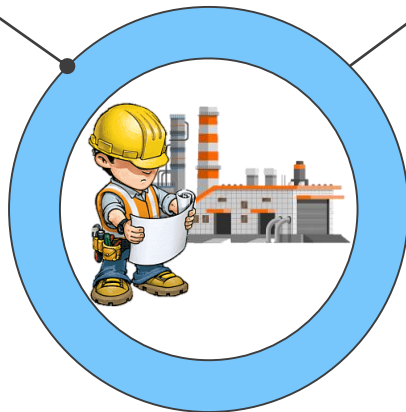


2. TSMC focused on only making the chips. 專營晶圓代工



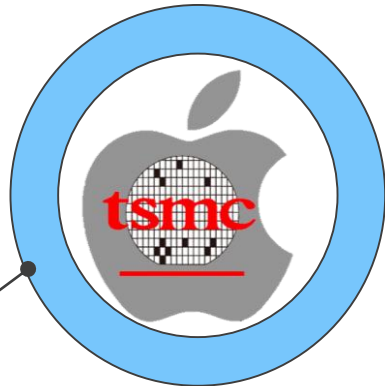
3. TSMC expanded the company and grew bigger.

增資擴廠



4. 2015 Apple started to use only TSMC chips for its products.

2015起Apple只用台積電晶片成為台積電最大客戶



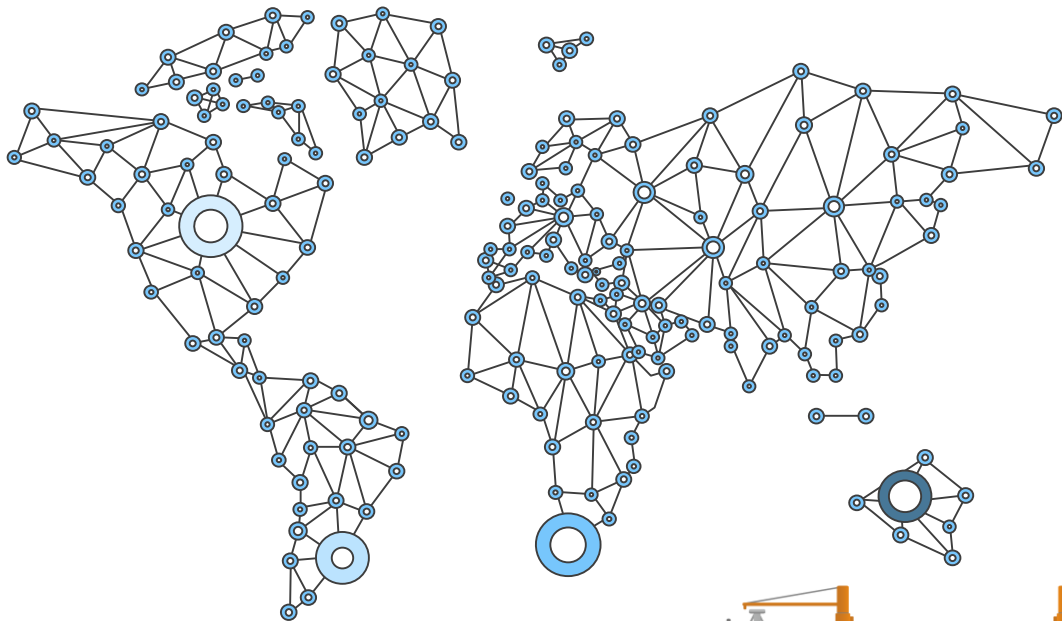
TSMC ships semiconductors all over the world

During COVID, there was a big semiconductor shortage in the world.

TSMC was able to still make semiconductors even though other places were shut down.

They are still the world's biggest supplier of semiconductors.

新冠疫情全球爆發，工廠停工導致晶片短缺。台灣因為疫情不嚴重，繼續生產，成為晶片最大供應商



Silicon/Semiconductors

The Shield of Taiwan

The world wants semiconductors.

If anyone were to attack Taiwan, the countries would help because they need the semiconductors.

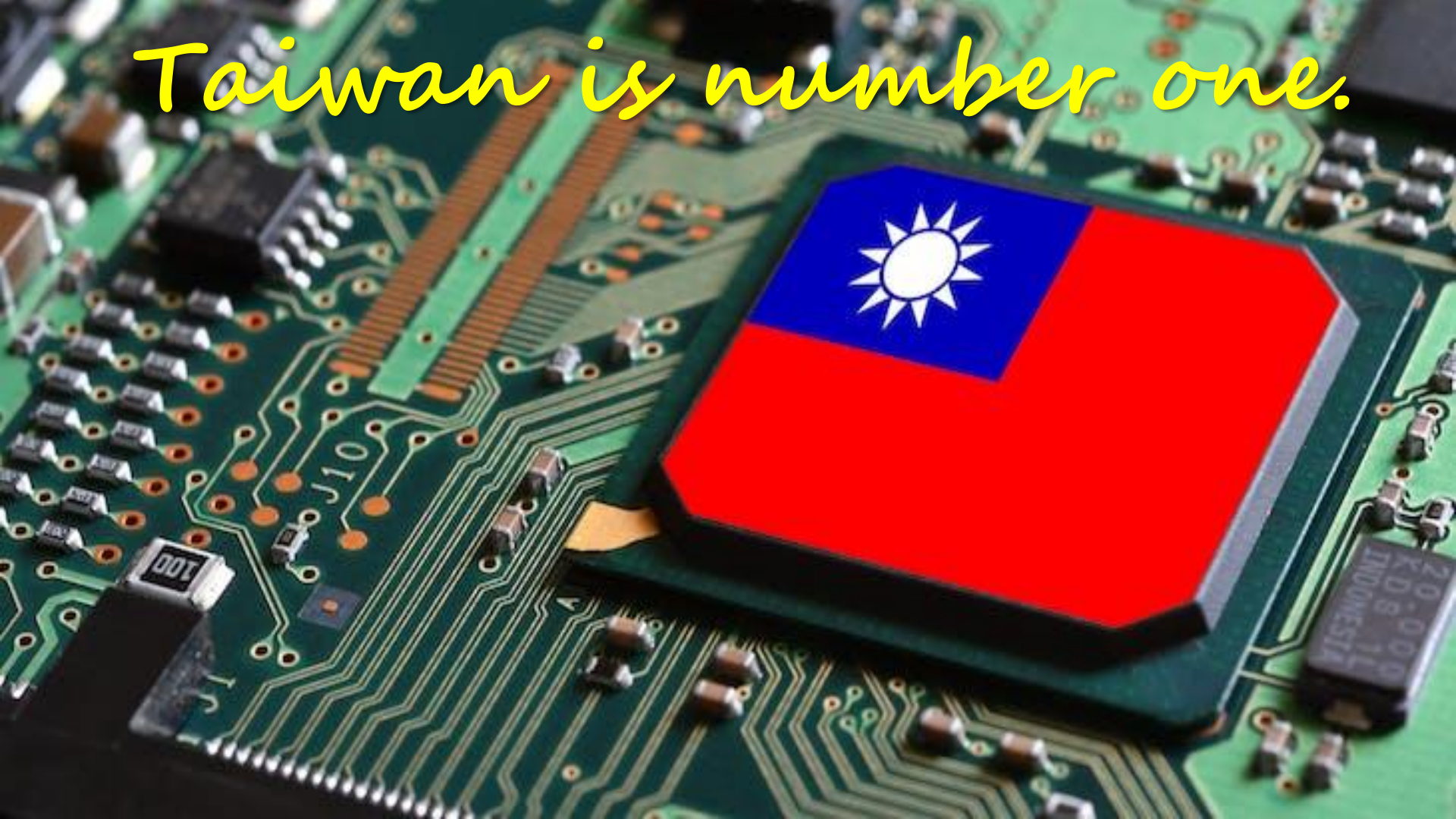
Taiwan is unique.

Taiwanese workers and work ethic keep TSMC in Taiwan safe and profitable.



半導體產業成為台灣的矽盾，台灣擁有無可取代的半導體供應鏈。
一旦台灣發生戰爭，供應鏈被切斷，全球經濟將受到重創。

Taiwan is number one.





Weekly Sentence

The rest is history.

接下來的事你都知道了