

(3661 TT)

Alchip Technologies

Investor Conference Meeting

March 4th, 2022

Safe Harbor Disclaimer



This presentation contains forward-looking statements, including statements about business outlook and strategy, and statements about historical results that may suggest trends for our business. These statements are based on estimates and information available to us at the time of this presentation and are not guarantees of future performance. Actual results could differ materially from our current expectations as result of many factors, including: our financial performance, including our net revenue, cost of revenue, operating expenses and ability to sustain profitability; our planned capital expenditures; our ability to expand our customer base; our ability to expand our product and service offerings; the impact of seasonality on our business; our ability to remediate the material weaknesses and significant deficiencies in our internal control over financial reporting; our ability to stay abreast of modified or new laws applying to our business; and our spending of the net proceeds from this offering. Except as required by law, we undertake no obligation to update any forward-looking statements, whether as a result of new information, future events, or otherwise.

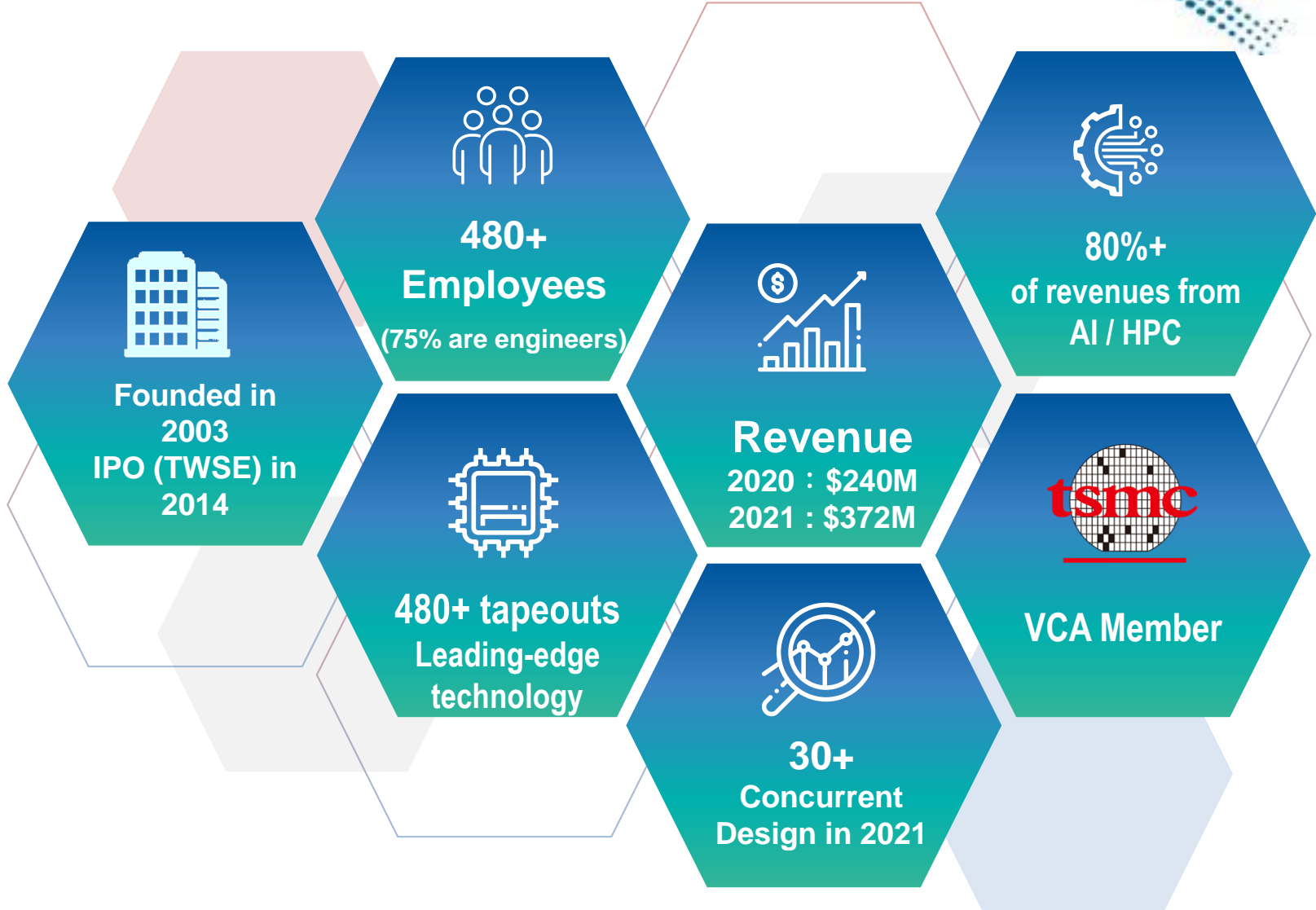




- This meeting will be in English, If you need Chinese presentation slides, please go to MOPS to download the Chinese version
- Participants please write down your questions to host through Zoom's message function with your and your company name
- Please use the “raise hand” function through Zoom for the Q&A session, the host will unmuted you for your questions
- The video and audio content of this meeting will upload to MOPS (Market Observation Post System)



世芯電子簡述



- (1) High performance computing.
(2) Value Chain Aggregator ("VCA") is a program established by TSMC. VCA members within the program are independent design service companies working closely with TSMC to help system companies, ASIC companies, and emerging start-ups bring their innovation to production.

2021 總結與回顧



- 各項營運數字皆創下歷史新高

— 營業收入：	美金372.3M
— 營業利益：	美金65.3M
— 稅後淨利：	美金53.2M
— 每股獲利：	新台幣 21.34
— 市值	美金3 Billion

- 在先進製程領域佔據絕佳戰略地位

- 於2021年自新舊客戶贏得多項先進製程設計案
- 超過30個進行中及將要進入設計階段的項目(mainly 7nm)
- 非常強勁的量產訂單需求
- 挑戰：
 - 工程設計團隊之產能、經源供應，CoWoS封裝產能及基板供應為目前主要之挑戰

- 中美貿易警張及實體清單

- 飛騰 (4/08)及第二大客戶(11/25)被列入美國商務部之實體清單
 - 目前所有後續申請及手續皆持續進行中
- 對於類似情況之標準處理流程已熟悉，預期類似事件之影響將持續縮小

4Q21 季損益表



美金千元	3Q21	4Q21	QoQ (%)	YoY (%)
營業收入	91,859	89,311	-2.8	34.4
營業成本	62,238	58,972	-5.2	29.3
營業毛利	29,622	30,338	2.4	45.7
營業費用	14,338	15,472	7.9	23.5
營業利益	15,284	15,284	0.0	84.0
業外收益	801	993	23.9	-53.4
稅前利益	16,086	15,860	-1.4	51.9
所得稅費用	-3,158	-3,149	-0.3	40.0
稅後收益	12,928	12,711	-1.7	55.2
EPS (NT\$)	5.1	5.0		

EPS is calculated on concurrent shares outstanding and FX

2021年度損益及表較



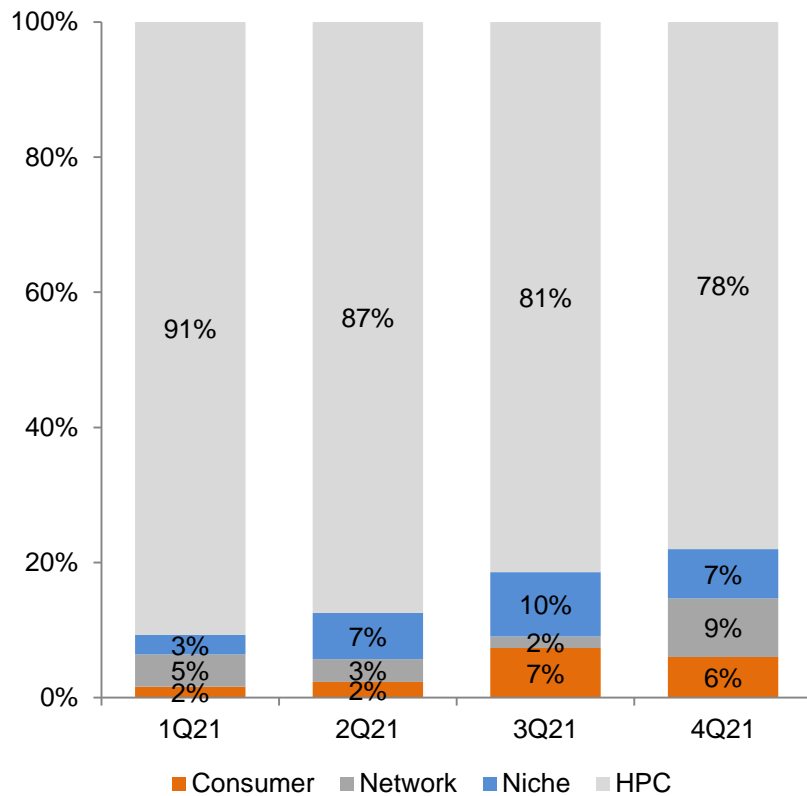
美金千元	2020	2021	YoY(%)
營業收入	239,565	372,319	55.4
營業成本	161,483	245,125	51.8
營業毛利	78,083	127,194	62.9
營業費用	44,676	61,930	38.6
營業利益	33,407	65,263	95.4
業外收益	3,338	2,610	-21.8
稅前利益	36,745	67,873	84.7
所得稅費用	-8,490	-14,686	73.0
稅後收益	28,255	53,187	88.2
EPS (NT\$)	13.6	21.3	

EPS is calculated on concurrent shares outstanding and FX

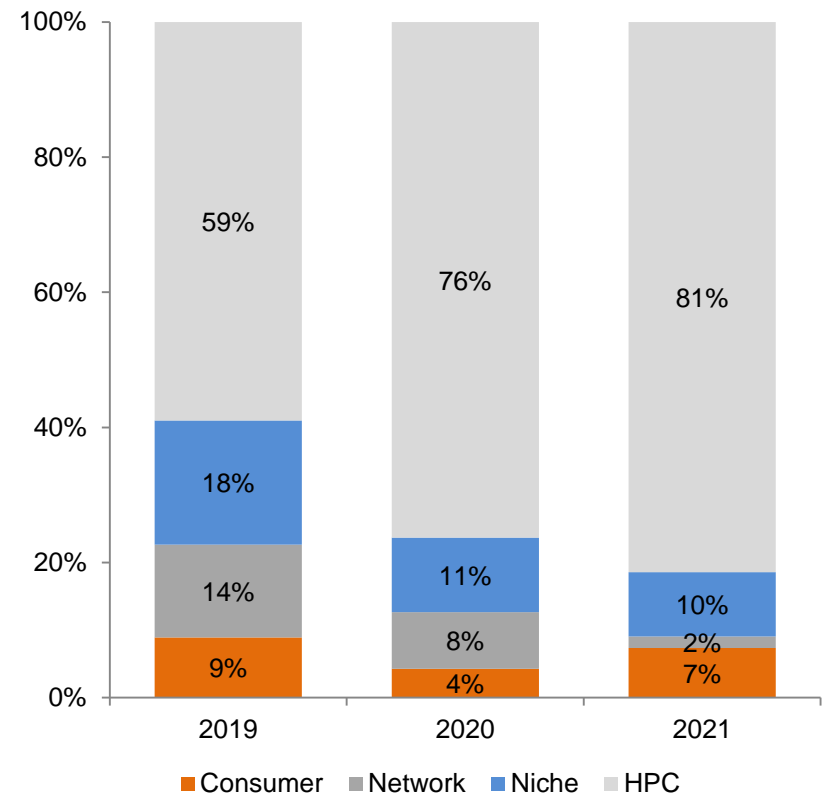
依應用別之營收組成



Quarterly breakdown



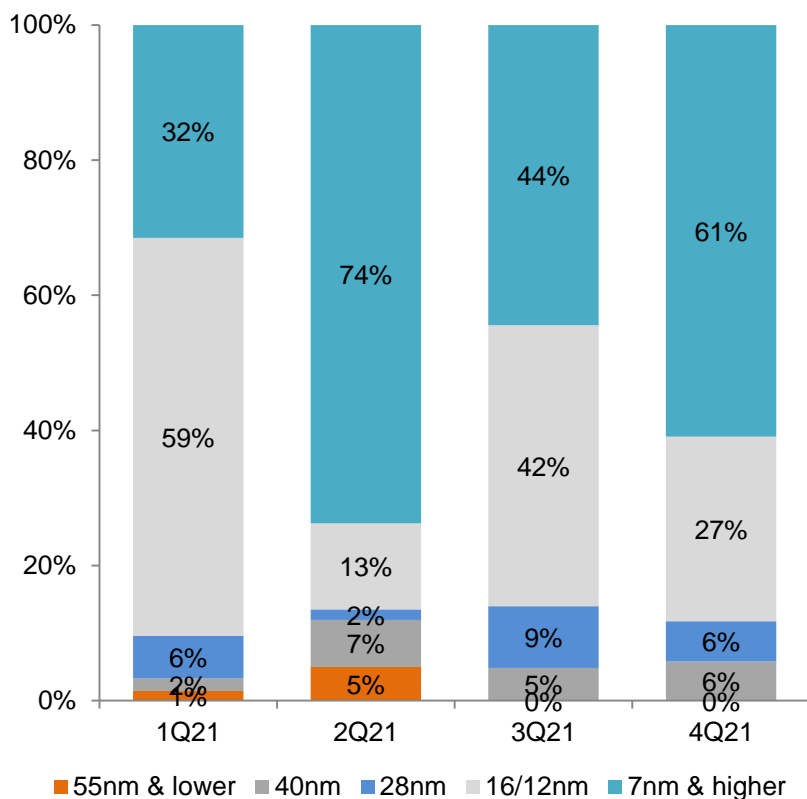
Yearly breakdown



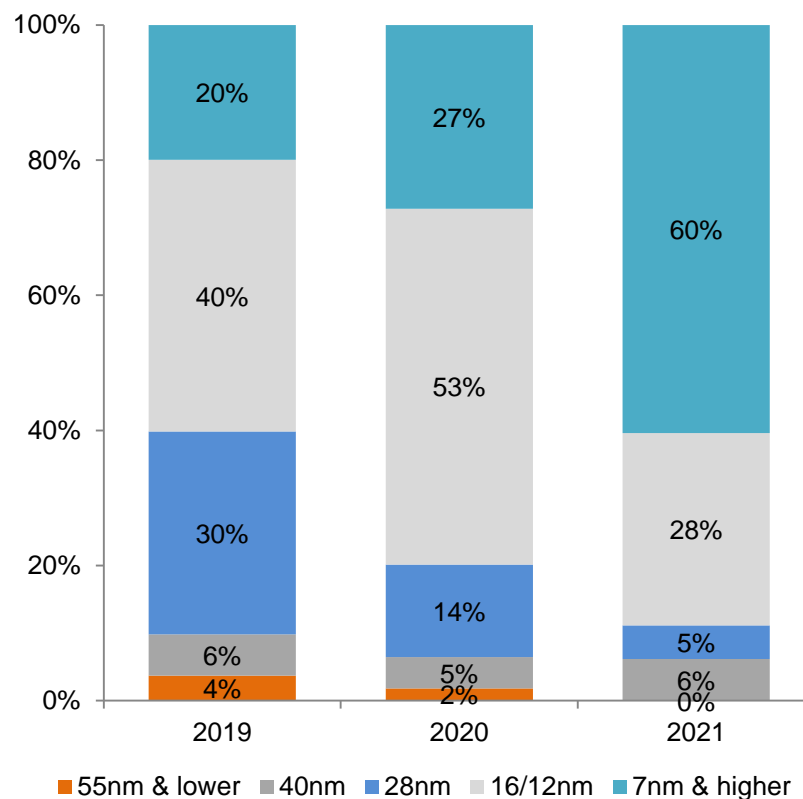
依製程之營收組合



Quarterly breakdown



Yearly breakdown

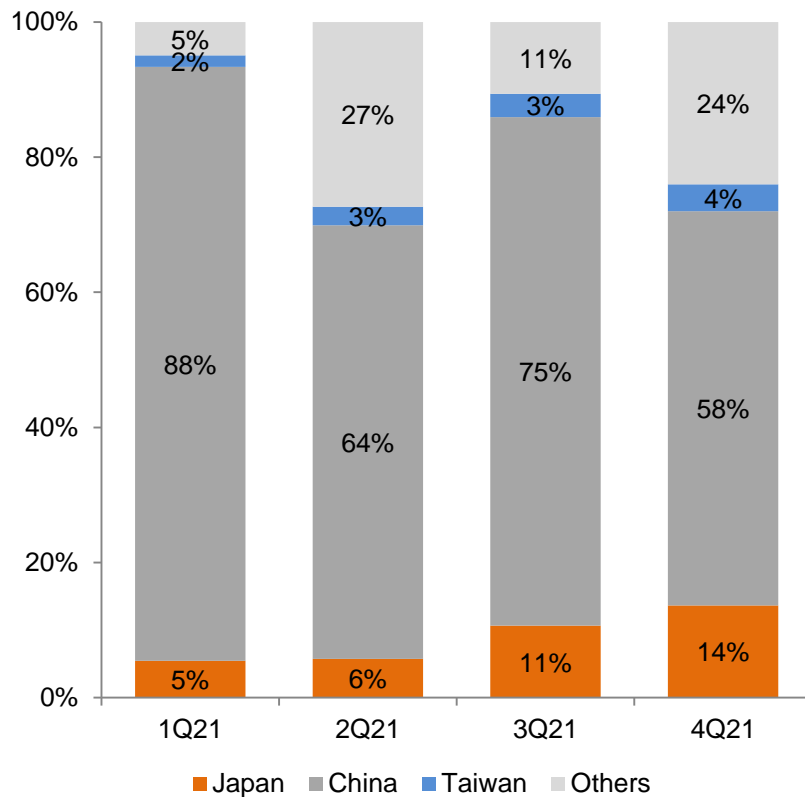


Advanced process node means 40nm or better

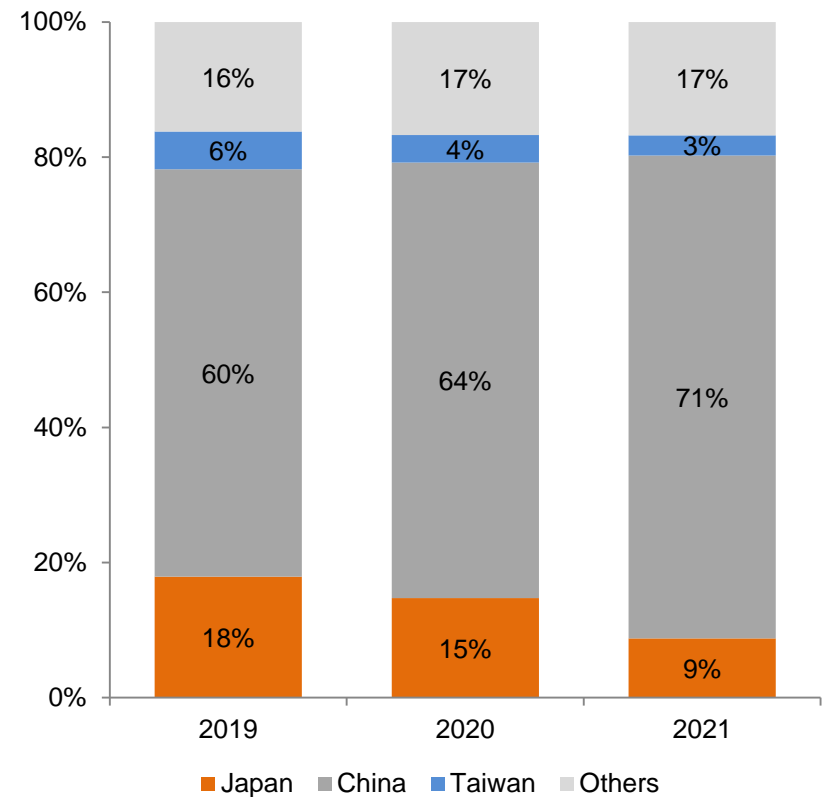
依地區之營收組合



Quarterly breakdown



Yearly breakdown



2021 營運回顧



雖然遭受中美地緣政治之影響，世芯仍於2021年繳出亮麗之成績單

- 雖然第一大客戶飛騰被美國商務部列入實體清單，世芯電子於2021年無論在營收或獲利表現皆超過期待
- 無論中國或北美市場對於高效能領域之實體設計需求皆非常強勁
- 公司於2021贏得多項高量產之turnkey項目，2022年起將陸續進入量產，需求強勁之程度使能見度已達2023年

● 2021年利潤率提升

- 2021毛利率為34.2% vs. 2020年之32.6%
- 實體設計需求相當強勁並持續朝更先進之製程移動
- 主要量產營收來自於高利潤之項目

2022年營運展望



北美客戶之量產營收成長為2022年之主要成長動力之一

- 預期自2022開始，對北美客戶之人工智能晶片的出貨將有相當大幅之成長
- 北美人工智能相關之設計需求非常強勁，主要客戶之量產訂單能見度已達2023全年

整體高效能運算市場對實體設計之需求持續增加

- 進行之及預期即將進行之項目為史上最佳，多數項目皆為高效能運算之項目
- 7nm仍為公司今年主要製程，同時5nm之營收貢獻將顯著提升

公司於供應鏈上的努力有機會提高對今年營收之預期

- CoWoS及ABF載板之產能供應將成為2022及2023成長力道之關鍵因素
- 目前客戶之需求遠高於能提供之產能



Thanks!

www.alchip.com

