



台灣茂矽電子股份有限公司

Investor **R**elation Presentation

March 10, 2023

POWER saving by MVI

風險聲明

Risk Disclosures Statement

This presentation material contains certain forward-looking statements that are based on current expectations and are subject to known and unknown risks and uncertainties that could cause actual results to differ materially from those expressed or implied by such statements.

- 2022營運成果 唐亦仙 董事長暨總經理
- 產品及產能規劃 鄧志達 副總經理暨發言人
- 問與答

營運結果摘要

單位：新台幣 百萬元

	<u>111年12月31日</u>	<u>110年12月31日</u>
	金額	金額
營業收入淨額	2,152	1,952
淨利	554	248
每股盈餘(元)	3.53	1.58
現金及約當現金	1,775	479
權益	2,689	2,337
出貨片數(仟片)	582	614

簡明綜合損益表-年度比較

單位：新台幣 百萬元

	111年度		110年度		年差異
	金額	%	金額	%	%
營業收入淨額	2,152	100.0	1,952	100.0	10.2
營業成本	(1,534)	(71.3)	(1,462)	(74.9)	4.9
營業毛利	618	28.7	490	25.1	26.1
營業費用	(260)	(12.0)	(229)	(11.7)	13.7
營業淨利	358	16.7	261	13.4	37.0
資產評價利益(損失)	0	0.0	(2)	0.0	100.0
其他淨營業外收入(支出)	197	9.1	(11)	(0.7)	1890.9
稅前淨利	555	25.8	248	12.7	123.9
本期淨利	554	25.8	248	12.7	123.4
每股盈餘(元)	3.53		1.58		

簡明資產負債表-年度比較

單位：新台幣 百萬元

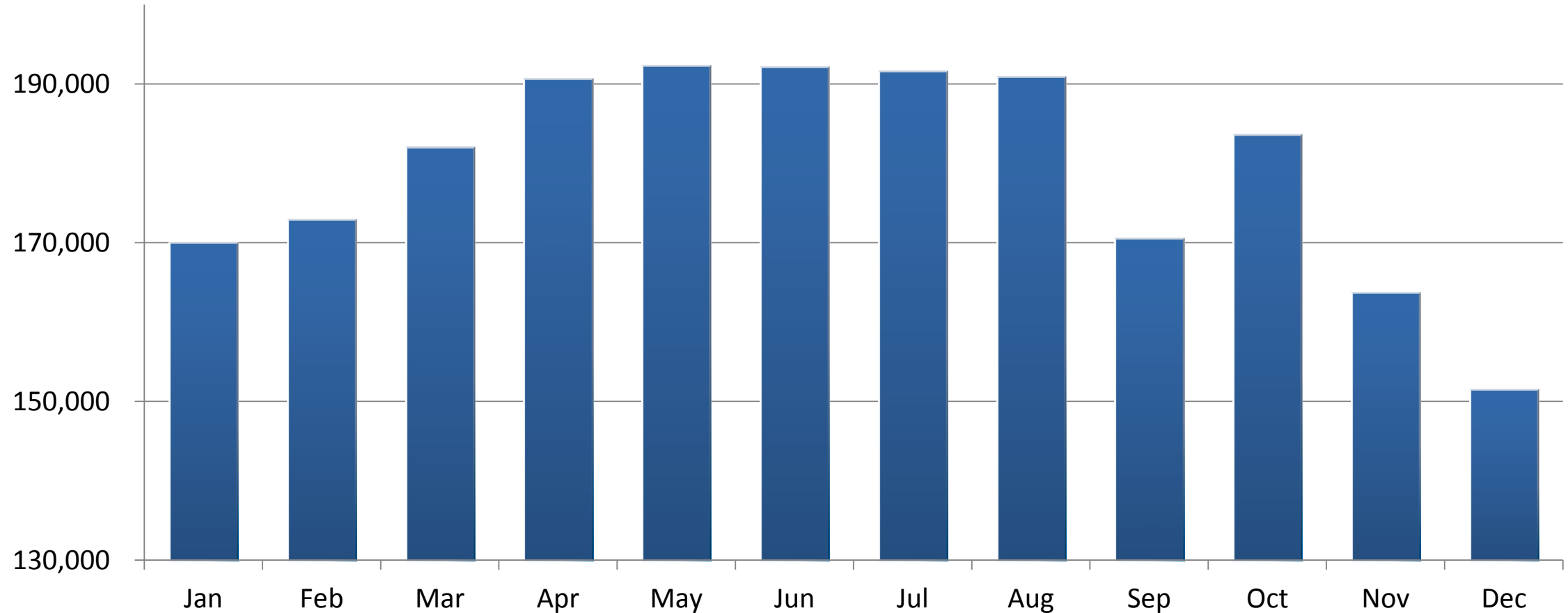
	111年12月31日		110年12月31日	
	金額	%	金額	%
總資產	4,184	100.0	3,912	100.0
現金及約當現金	1,775	42.4	479	12.2
應收票據及帳款	341	8.2	344	8.8
存貨	291	7.0	209	5.4
流動資產	3,088	73.8	2,880	73.6
不動產、廠房及設備	462	11.0	430	11.0
使用權資產	307	7.3	321	8.2
應付票據及帳款	173	4.1	178	4.6
應付費用及其他	719	17.2	526	13.4
流動負債	892	21.3	704	18.0
權益總計	2,689	64.3	2,337	59.7
每股淨值(元)	17.05		14.82	

Monthly Sales

2022年每月營收表現



Unit : in thousands

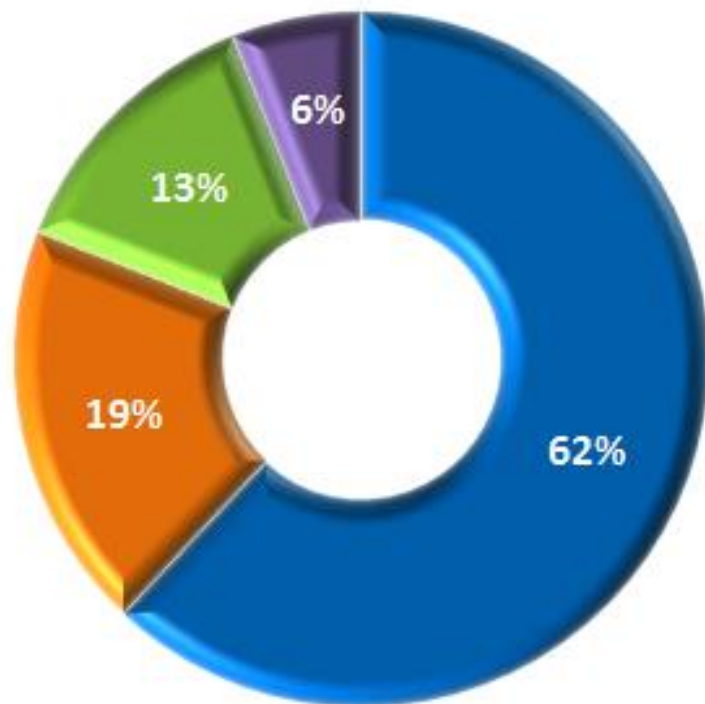


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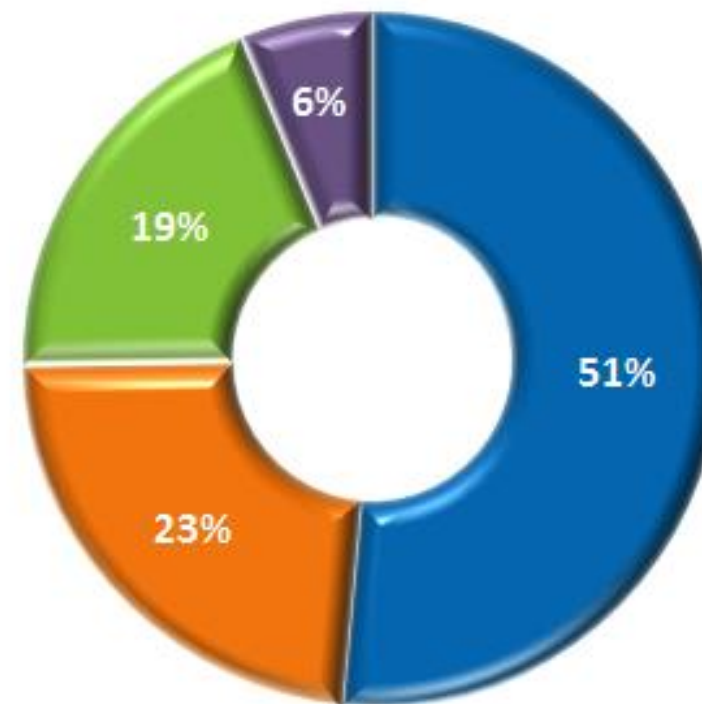
2021-2022 Revenue Breakdown

銷售分析 - 產品別

Y2022



Y2021

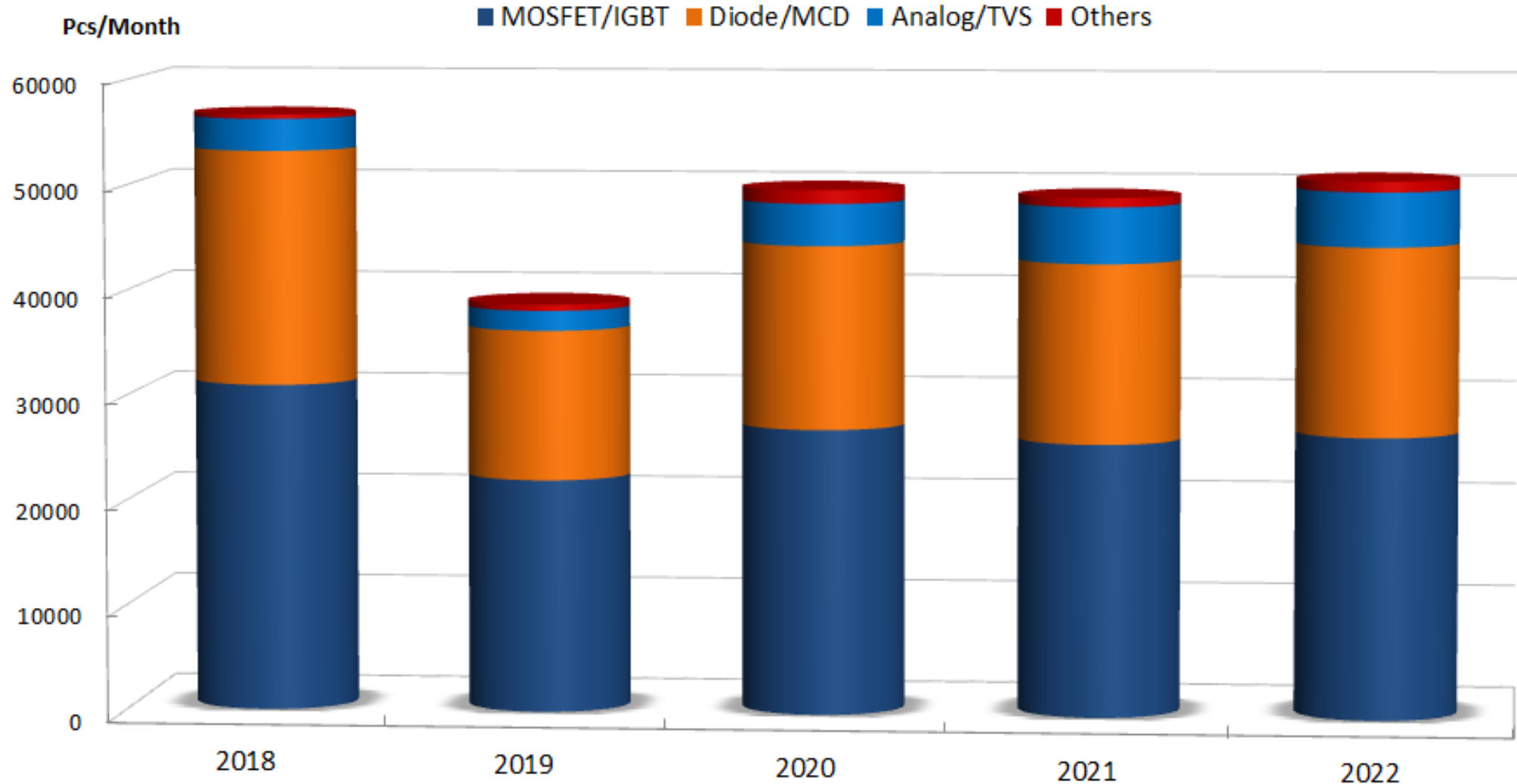


■ MOSFET/IGBT ■ Diode/MCD ■ Analog/TVS ■ Others

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Wafer Foundry Output Trend (average per month)

平均每月晶圓製造產出數量

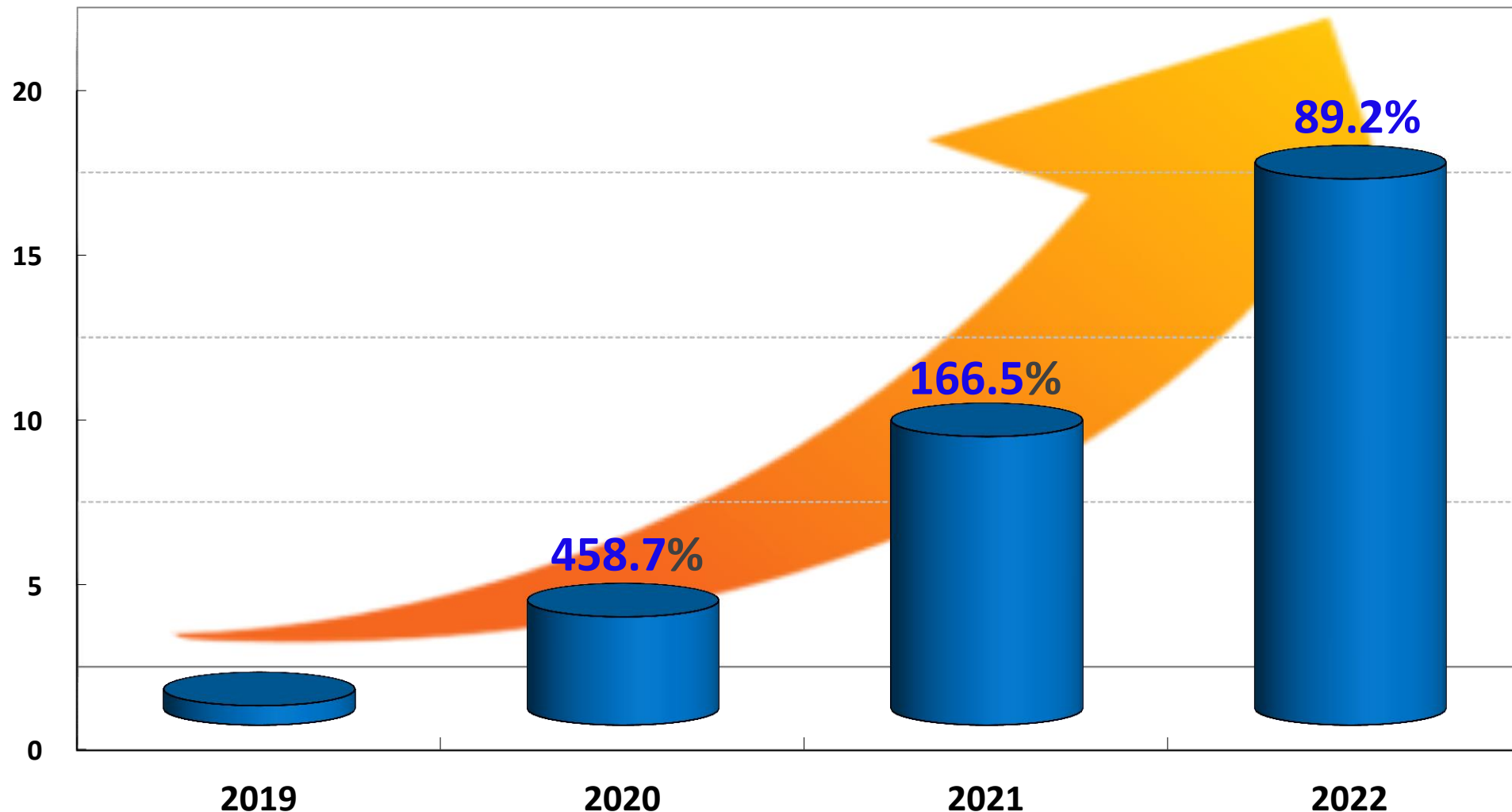


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MVI IGBT Products Shipping Trend

IGBT產品出貨比

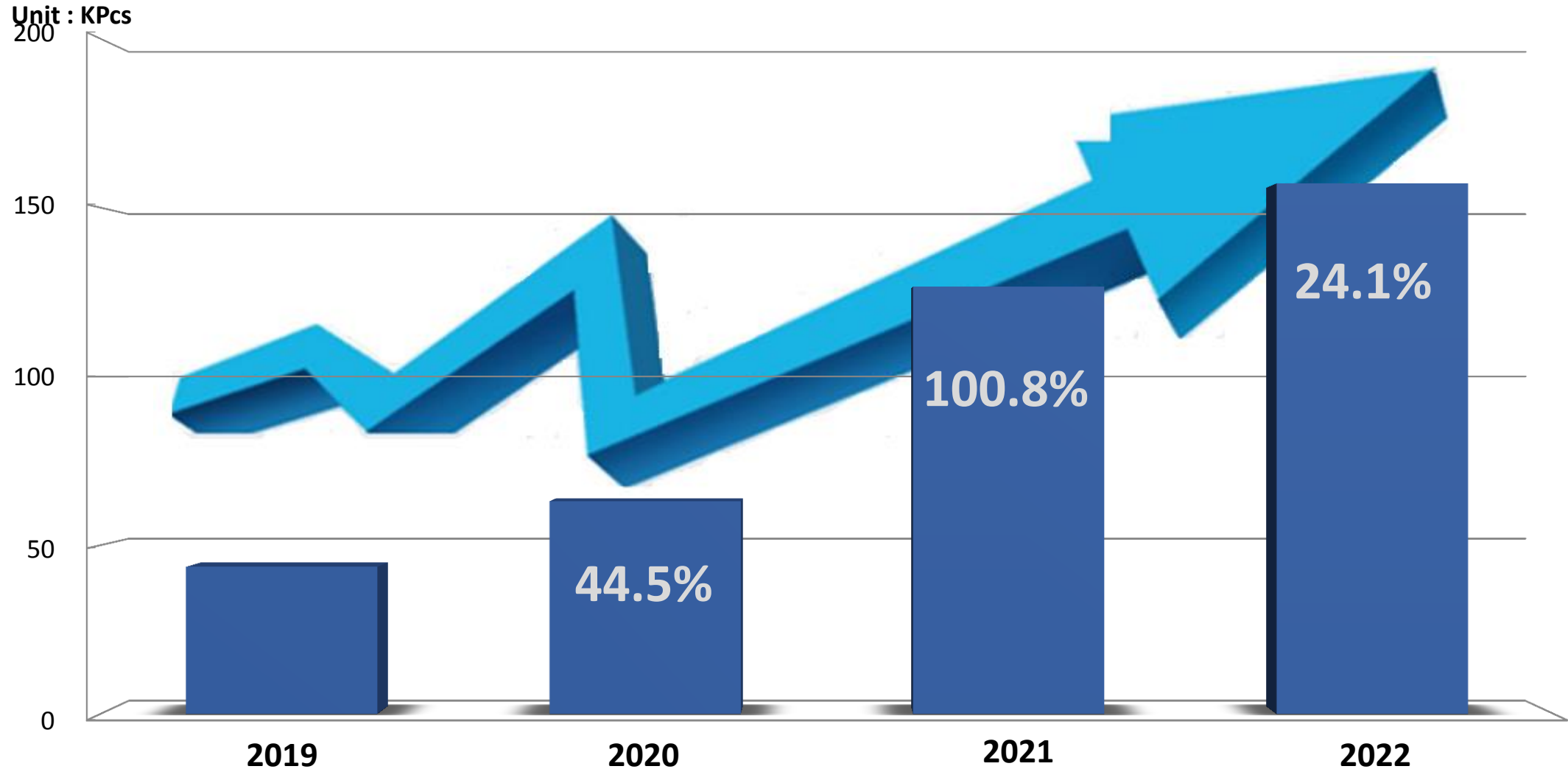
Unit : KPcs



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MVI Automobile Products Shipping Trend

茂矽車用產品出貨數量



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IGBT Products Overview

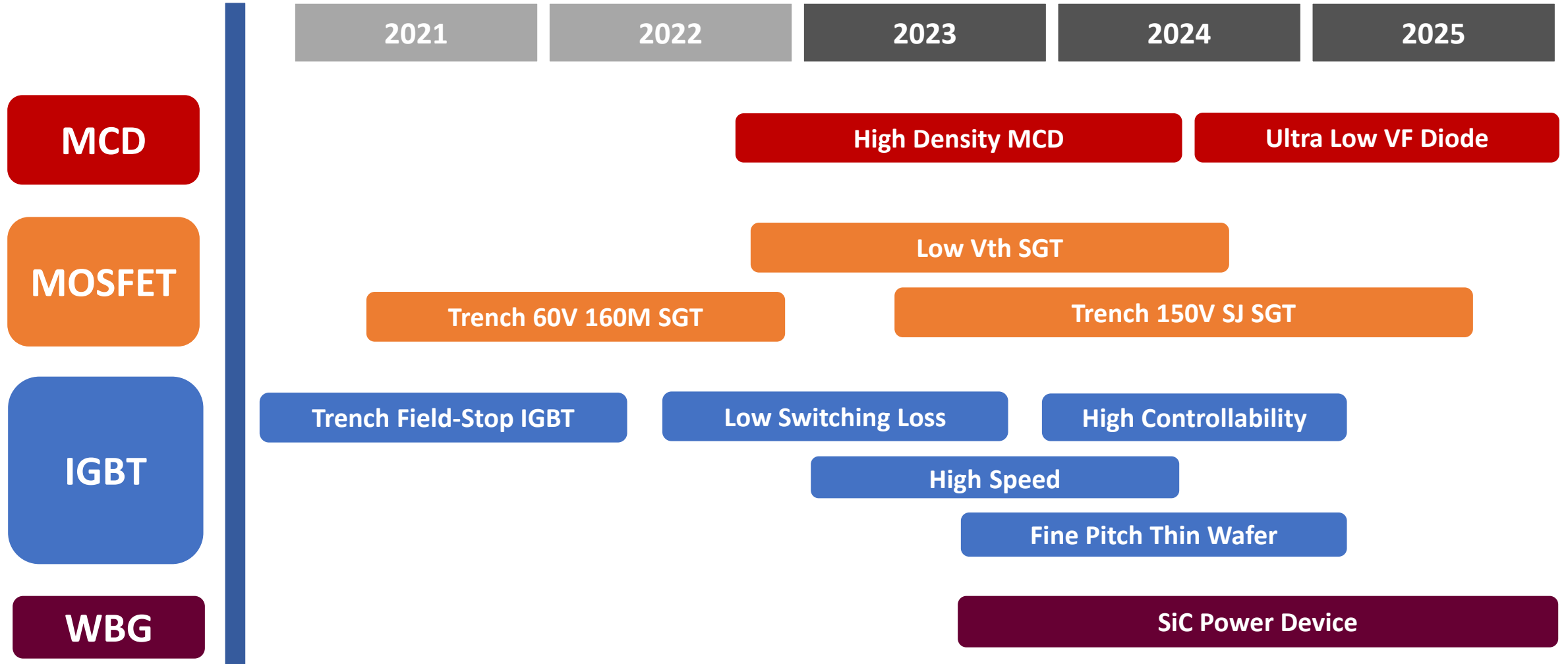
產品一覽表



Technology	Voltage Rating (V)	Current Rating (A)	Availability
Trench NPT	650	5	Under qualification
Trench NPT	650	10 / 12 / 15	Production
Trench NPT	650	20 / 25	Production
Trench NPT	650	35	Production
Trench NPT	650	70	Production
Trench NPT	1200	10	Production
Trench NPT	1200	20 / 25	Production
Trench NPT	1200	30	Production
Trench NPT	1200	50	Production
Trench FS	1200	10	Under qualification
Trench FS	1200	15	Production
Trench FS	1200	25	Production
Trench FS	1200	40	Production
Trench FS	1200	50	Under qualification
Trench FS	1200	75	Development

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Mosel Power Device Technology Roadmap



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攻佔車用、工業及高端 MOSFET應用市場

Continuous growth in AUTOMOTIVE , INDUSTRIAL and HIGH END MOSFET Markets

- 2021年車用產品出貨量突破20%，2022年車用產品比重持續成長至**27%**。
Foundry products for automotive applications continued to grow from 20% in 2021 to **27%** in 2022.
- 1200V FS IGBT的中、低電流產品陸續完成驗證試產；評估外部資源以拓展高電流產品與600V FS IGBT製程平台。
The medium and low current products of 1200V FS IGBT have completed verification and at risk production. Survey outsourcing opportunities to develop high current products and 600V FS IGBT process platform.
- 2022年下半年市場需求趨緩略受影響，惟2021年與主要客戶簽訂產能長約風險可控。
In 2022 H2, revenue moderated slightly as the market declined. With a LTA signed with key customers in 2021, the risks should be under control.
- 車用與工業用產品相對穩定，期許與合作夥伴導入SiC的製程技術開發。
Automotive and industrial foundry orders are relatively stable. Plan to develop power SiC process technology with customers.

Thank You !

Q and A !