

Q1 2021 Quarterly Online Investor Conference (線上法說會)

Apr 27, 2021



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This presentation includes forward-looking statements. All statements, other than statements of historical facts, that address activities, events or developments that GCS Holdings, Inc. expects or anticipates will or may occur in the future (including but not limited to projections, targets, estimates and business plans) are forward-looking statements.

GCS's actual results or developments may differ materially from those indicated by these forward-looking statements as a result of various factors and uncertainties, including but not limited to price fluctuations, actual demand, exchange rate fluctuations, market share, competition, environmental risks, change in legal, financial and regulatory frameworks, government policies, international economic and financial market conditions, political risks, cost estimates and other risks and factors beyond our control.

GCS does not undertake any obligation to publicly update any forward-looking statement to reflect events or circumstances after the date on which any such statement is made or to reflect the occurrence of unanticipated events.

Agenda



Opening:

Brian Ann, CEO & President

Financial Section:

Grace Li, Senior Director & Special Assistant to CEO

Market Overview:

Simon Yu, Senior VP and Spokesperson

Q&A: All



GCS Holdings, Inc.

- A Global Network of Advanced Semiconductor Foundry Services for Customers Worldwide

Disclaimer Statement



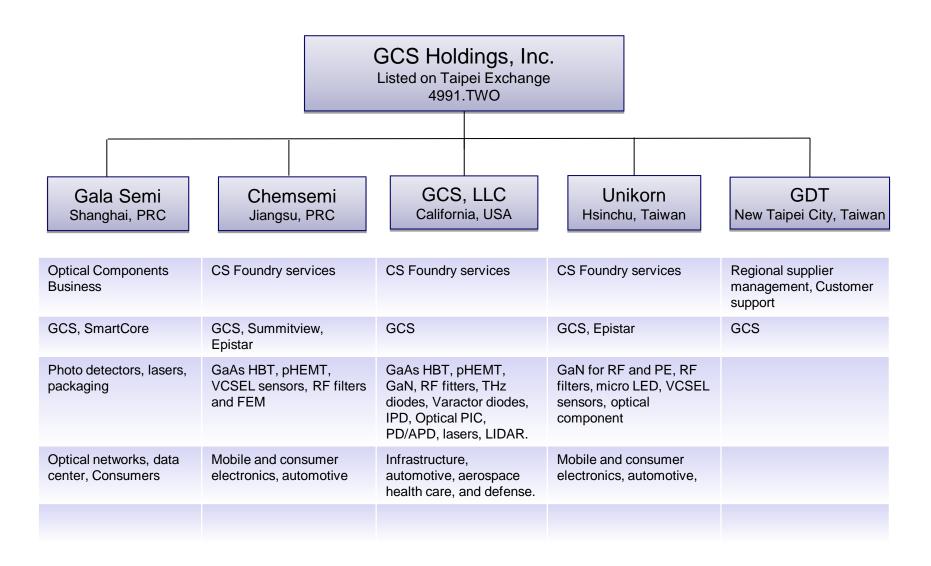
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Global Network of Advanced Semi Foundries





About GCS LLC.



- Founded in 1997, Headquarters in Torrance, California
- ➤ Listed on Taipei Exchange (TAIEX), ITAR Registered, ISO9001:2008/AS9100C:2009 Certified
- ➤ A leader in advanced compound semiconductor (CS) process technologies that are essential to:
 - > 5G/4G Networks
 - Smart Devices
 - Automotive
 - Optical Network
 - Industrial







- Offering our own brands of advanced optical components
- ➤ Providing specialty compound semiconductor foundry services for radio frequency integrated circuits(RFIC), power electronics and optoelectronic devices

Broad Applications of Technologies



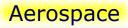
Wireless Infrastructure



GaAs HBT

GaN HEMT

RF PiN Diode





GaAs pHEMT GaAs HBT Mixer Diode RF PiN Diode GaN HEMT Space Qualified

Opto Electronics



PIN PD APD EE Laser VCSEL InP HBT PIC/EPIC

Power Electronics



GaN SB Diode GaN SB HEMT GaN MISHEMT SiC SB Diode SiC JFET

Mobile Devices



GaAs/InP HBT GaAs pHEMT BAW filter GaN/Si HEMT

About Unikorn



✓ Founded : October 2018

✓ Employees: ~200 (As of November 2020)

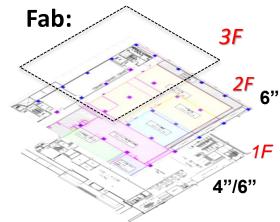
✓ Capital : 26M USD

✓ Shareholders: EPISTAR(64%)
GCS(36%)

Target Market:

- ✓ VCSEL
- ✓ PIN/ APD
- ✓ Advanced LED (aLED) $\rightarrow \mu LED$
- √ GaN on Si (RF/ Power...)
- ✓ BAW filter





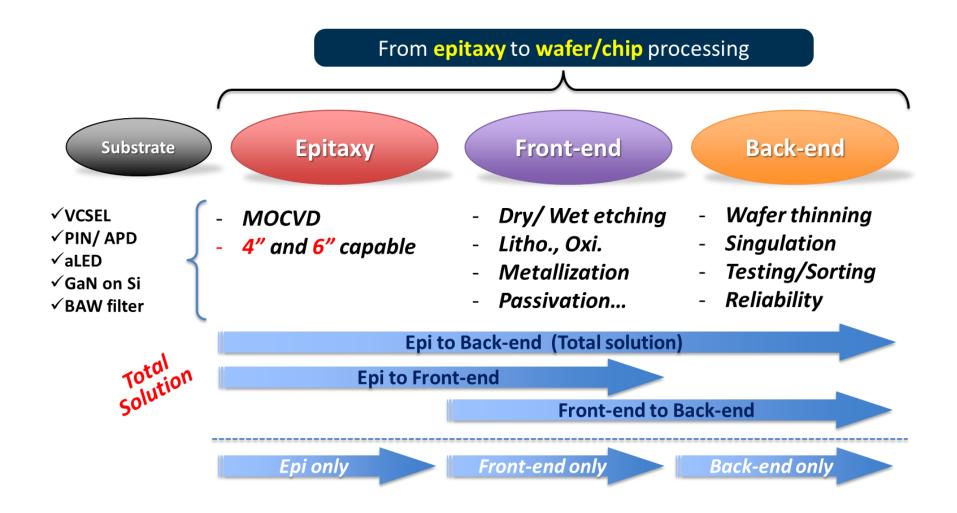






Unikorn Value Proposition





About Chemsemi



✓ Founded : March 2020

✓ Employees : ~100 (As of 12/2020)

✓ Capital : ~ 45M USD

✓ Shareholders: Summitview Capital

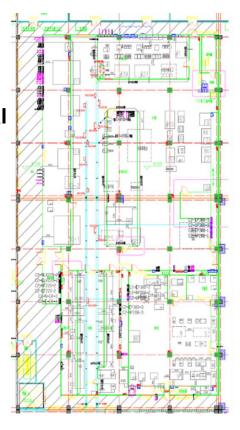
GCS Holdings

Epistar

Target Market:

Mobile/Consumer Electronics

- ✓ VCSEL for 3D sensing
- √ GaAs HBT, pHEMT
- ✓ Advance SAW filters
- ✓ BAW filters
- ✓ Power Electronics









GCS Holding, Inc.

A Global Network of Advanced Semiconductor Foundry Services for Customers Worldwide



FINANCIAL SECTION

Statements of Comprehensive Income - QoQ



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		1Q21	4Q20

•	1Q21	4Q20	1Q20	1Q21 Over 4Q20	1Q21 Over 1Q20
Net Operating Revenue	301,307	344,057	367,352	-12.4%	-18.0%
Gross Profit	100,005	119,015	159,898	-16.0%	-37.5%
Gross Margin	33.2%	34.6%	43.5%		
Operating Expenses	(99,221)	(107,102)	(109,694)	-7.4%	-9.5%
Operating Expenses to Revenue %	32.9%	31.1%	29.9%		
Operating Income	784	11,913	50,204	-93.4%	-98.4%
Operating Margin	0.3%	3.5%	13.7%		
Non-operating Items	(87,521)	(128,478)	(35,440)	-31.9%	147.0%
Income (Loss) before Income Tax	(86,737)	(116,565)	14,764	-25.6%	-687.5%
Income Tax (Expense) Benefit	(1,452)	28,519	(12,209)	-105.1%	-88.1%
Net Income (Loss)	(88,189)	(88,046)	2,555	0.2%	-3551.6%
Net Income (Loss) Attributable to owners of the Parent	(88,189)	(88,046)	2,477		
Net Income (Loss) %	-29.3%	-25.6%	0.7%		
Basic EPS (NTD)	(0.99)	(0.99)	0.03		
Diluted EPS (NTD)	(0.99)	(0.99)	0.03		
R&D Expense % to Revenue	13.2%	12.9%	12.3%		
ROA (%)	-9.1%	-8.7%	0.3%		
ROE (%)	-10.1%	-10.0%	0.3%		

Note 1:89,350 thousand shares and 89,350 thousand shares were used in basic EPS and diluted EPS calculation for 1Q21, respectively.

Note 2. Revenue supplemental information

(in NT\$ thousands except EPS)

				1Q21	1Q21
	1Q21	4Q20	1Q20	Over	Over
_				4Q20	1Q20
Revenue in US\$ thousand	10,621	11,992	12,200	-11.44%	-12.9%
Exchange Rate	28.37	29.55	30.11		

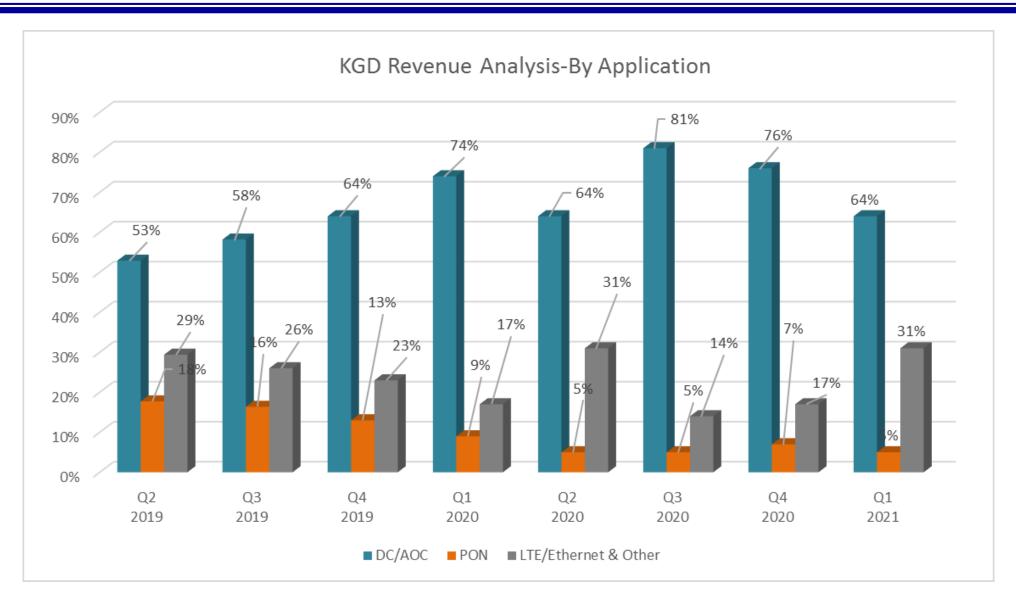
Revenue Mix % vs Gross Margin - QoQ





KGD Revenue Mix - QoQ





Non-operating Income and Expenses- QoQ



(in NT\$ thousands)

	1Q21	4Q20	1Q20	1Q21 Over 4Q20	1Q21 Over 1Q20
Other Income - other	1,935	2,911	6,248	-33.5%	-69.0%
Other Income - Income from forgiveness of PPP loan	6,838	-	-	-	-
Other Gains and Losses					
Net currency exchange gain or (loss)	(113)	(3,652)	461	-96.9%	-124.5%
Gain (loss) on disposal of property, plant and equipment	(1,028)	(281)	213	265.8%	-582.6%
Gain (loss) on disposal of investments	-	(18)	-	-100.0%	-
Impairment loss on intangible assets	-	(40,094)	-	-100.0%	-
Others	(581)	(798)	(87)	-27.2%	568%
Finance Cost					
Interest expense	(573)	(693)	(994)	-17.3%	-42.4%
Share of profit (loss) of equity-accounted investees	(93,999)	(85,853)	(41,281)	9.5%	127.7%
Total Non-operating Income and Expenses	(87,521)	(128,478)	(35,440)	-31.9%	147.0%

Balance Sheet Highlight & Key Indices



Selected Items from Balance Sheet (in NT\$ thousands)

(mrvių mousumus)	1Q21		4Q20		1Q20	
	Amount	%	Amount	%	Amount	%
Cash and Cash Equivalent	1,159,644	31%	1,106,476	28%	1,448,840	37%
Accounts Receivable and Notes Receivable	197,894	5%	197,537	5%	201,303	5%
Inventory	346,235	9%	362,021	9%	369,392	10%
Other current assets	30,887	1%	172,763	5%	183,166	5%
Investments accounted for under the Equity Method	917,721	24%	1,013,963	26%	519,865	13%
Net Property, Plant and Equipment	691,484	18%	695,634	18%	757,595	19%
Intangible Assets	143,474	4%	144,655	4%	197,022	5%
Deferred Tax Assets	116,814	3%	116,767	3%	121,431	3%
Prepaid investment	85,620	2%	-	0%	-	0%
Total Assets	3,791,314	100%	3,898,075	100%	3,886,093	100%
Short Term Loan	20,000	1%	20,000	0%	20,000	1%
Accounts Payable and Other Payables	118,455	3%	133,292	4%	194,888	5%
Long Term Bank Borrowings - Current Portion	28,455	1%	22,828	1%	23,446	1%
Long Term Bank Loans	94,464	2%	106,993	3%	36,538	1%
Deferred Tax Liabilities	60,802	2%	60,674	2%	72,612	2%
Total Liabilities	343,582	9%	370,979	10%	373,535	10%
Total Stockholders' Equity	3,447,732	91%	3,527,096	90%	3,512,558	90%
Key Indices						
Current Ratio	974%		958%		879%	
Debt Ratio			10%		10%	
AR Turnover Days	60		64		66	
Inventory Turnover Days	191		175		184	

Cash Flows



(in NT\$	thousands)
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	1Q21	4Q20	1Q20
Beginning Balance	1,106,476	1,146,721	1,838,994
Cash from Operating Activities	28,131	43,538	182,004
Acquisition of investments accounted for under the equity method	-	-	(400,000)
Acquisition of property, plant and equipment	(32,444)	(8,840)	(23,443)
Decrease (Increase) in other current assets	141,392	1,357	(151,354)
Decrease(Increase) in other non-current assets	(177)	(5,367)	-
Acquisition of intangible assets	-	(1,734)	-
Prepayments for investments	(84,615)	-	-
Proceed from long-term loan	5,340	-	-
Repayments of long-term loans	(5,624)	(5,631)	(5,707)
Principal elements of lease payments	(1,453)	(1,446)	(2,226)
Proceeds from the sale of property, plant and equipment	284	-	256
Cash dividend paid	-	(45,623)	-
Disposal of a subsidiary- decrease in cash and cash equivalents	-	-	(11,707)
The effect of exchange rate changes	2,334	(16,106)	20,985
Others	-	(393)	1,038
Ending Balance	1,159,644	1,106,476	1,448,840
Increase (Decrease) in Cash	53,168	(40,245)	(390,154)
Free Cash Flow (Note)	(4,313)	34,698	158,561

Note: Free Cash Flow = Cash from Operating Activities - Capital Expenditures



MARKET OVERVIEW

Optical Communication Market



- ❖5G RFQ continues delay in China
- 100G modules maintain a steady path (above \$2 billion a year)
- 200G solution adopted by Facebook, start ramp in 2021
- 2x400G solution adopted by Google; volume deployment in 2022
- ❖9 of top 15 CSPs provide capex guidance up11% in 2021
- ❖ All sectors see fierce price competition, China customers are forced to use domestic suppliers, especial driven by US-China conflict ← KGD business challenges

RF Market



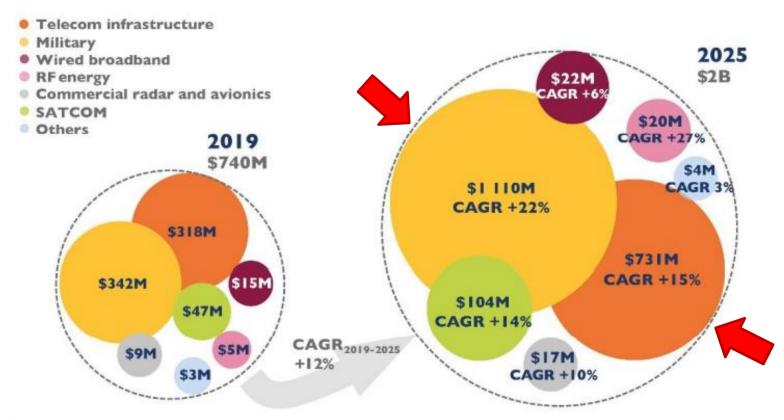
- Covid-19 and US-China conflict will continue change the RF landscape China will be forced to re-think its strategies and pump more investment into RF and develop its own domestic suppliers or use European suppliers. Long term not positive for US suppliers in China market?
- ❖RF front-end market Yole forecast 11% CAGR (2020-2025)
- *RF GaN will continue growth taking away LDMOS' share
- ❖5G base stations the picture is blurry, can Biden's plan help?
- ❖ Lack of killer applications for 5G infrastructure

RF GaN Market



2019-2025 packaged GaN RF device market forecast - Split by application

(Source: GaN RF Market: Applications, Players, Technology, and Substrates 2020 report, Yole Développement, 2020)







Q & A











For further inquiry investors@gcsincorp.com





