

Q4 2015 Quarterly Online Investor Conference (線上法說會)

March 3, 2016



Disclaimer Statement



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.

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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, Director & Special Assistant to CEO

Market Overview:

Simon Yu, Senior VP and General Manager, Worldwide Sales & Marketing and Component Business

Q&A: All



FINANCIAL SECTION

Statements of Comprehensive Income - QoQ



(in NT\$ thousands except EPS)

	4Q15	3Q15	4Q14	4Q15 Over 3Q15	4Q15 Over 4Q14
Net Operating Revenue	472,018	424,594	391,241	11%	21%
Gross Profit	230,871	180,754	166,492	28%	39%
Gross Margin	49%	43%	43%		
Operating Expenses	(117,614)	(98,139)	(94,680)	20%	24%
Operating Income	113,257	82,615	71,812	37%	58%
Operating Margin	24%	19%	18%		
Non-operating Items	(28,396)	34,389	(21)	-183%	135119%
Net Income	79,988	109,412	71,687	-27%	12%
Net Profit Margin	17%	26%	18%		
Basic EPS (NTD)	1.40	1.94	1.31		
Diluted EPS (NTD)	1.37	1.10	1.26		

Note: 57,172,750 shares and 58,409,857 shares were used in basic EPS and diluted EPS calculation for 4Q15, respectively.

Statements of Comprehensive Income – YoY



(in NT\$ tho	usands exce	pt EPS)
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	2015 Jan to Dec	%	2014 Jan to Dec	%	Change (%)
Net Operating Revenue	1,659,943	100%	1,352,899	100%	22.7%
Gross Profit	704,179	42%	542,338	40%	29.8%
Operating Income	302,737	18%	177,689	13%	70.4%
Non-operating items	(10,645)	-1%	(849)	0%	1153.8%
Income before Income Tax	292,092	18%	176,840	13%	65.2%
Income Tax	(15,837)	-1%	(9,986)	-1%	58.6%
Net Income	276,255	17%	166,854	12%	65.6%
Basic EPS (NTD)	4.95		3.32		
Diluted EPS (NTD)	4.47		3.20		
Average Exchange Rate-USD/NTD	31.74		30.31		
R&D expense % to Revenue	9%		12%		
ROA (%)	15%		14%		
ROE (%)	19%		17%		

Balance Sheet Highlight & Key Indices



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

	2015/12/31		2014/12/31	
_	Amount	%	Amount	%
Cash and Cash Equivalent	1,237,513	49%	527,385	37%
Accounts Receivable	205,006	8%	190,655	13%
Inventory	331,800	12%	271,490	19%
Available-for-Sale Financial Assets	52,479	2%	-	-
Net Property, Plant and Equipment	473,634	18%	179,670	12%
Deferred Tax Assets	203,951	8%	196,651	14%
Total Assets	2,653,367	100%	1,443,240	100%
Current Liabilities	335,862	13%	138,085	10%
Bonds Payable	457,386	17%	-	-
Long Tterm Bank Loans	127,142	5%	-	_
Total Liabilities	1,009,804	38%	229,391	16%
Total Stockholders' Equity	1,643,563	62%	1,213,849	84%
Key Indices				
Current Ratio	536%		727%	
Debt Ratio	38%		16%	
AR Turnover Days	44		51	
Inventory Turnover Days	138		104	

Cash Flows

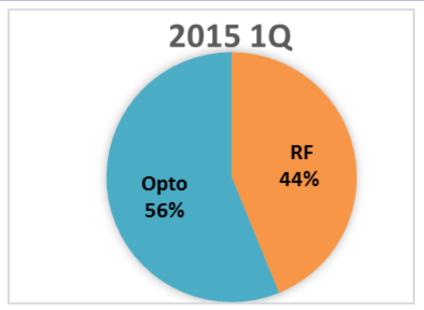


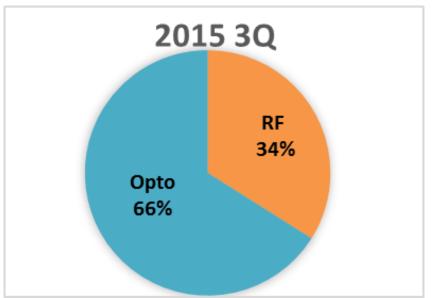
(in NT\$ thousands)		-
	2015	2014
	Jan to Dec	Jan to Dec
Beginning Balance	527,385	291,914
Cash from Operating Activities	384,504	61,556
Acquisition of available-for-sale financial assets	(49,647)	-
Acquisition of property, plant and equipment	(327,708)	(50,233)
Proceeds from Long-term loans	153,457	-
Repayments of long-term loans	(6,477)	-
Proceeds from issuance of common stock	-	204,180
Proceeds from Convertible Bonds Issued	600,000	-
Others	(44,001)	19,968
Ending Balance	1,237,513	527,385
Free Cash Flow (Note)	56,796	11,323

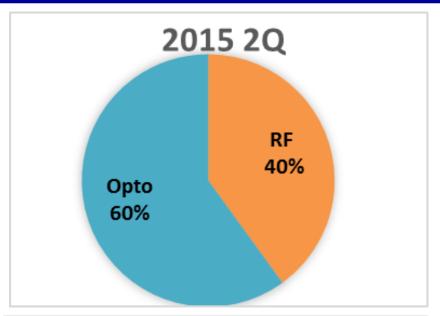
Note: Free Cash Flow = Cash from Operating Activities - Capital Expenditures

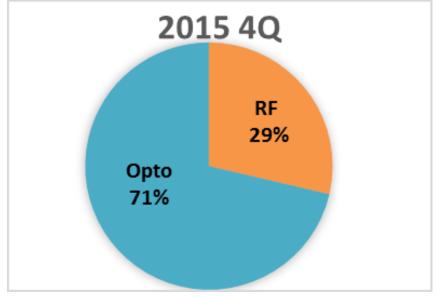
Revenue Product Mix % - QoQ





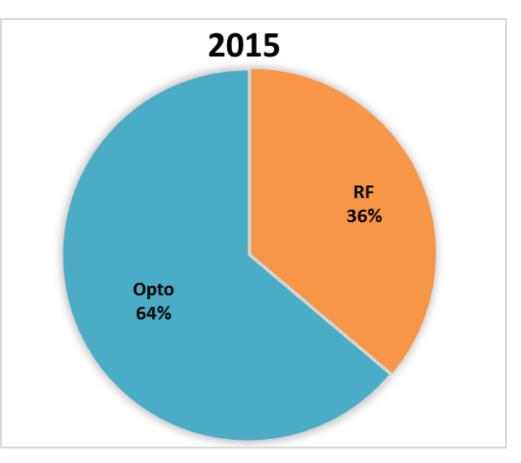


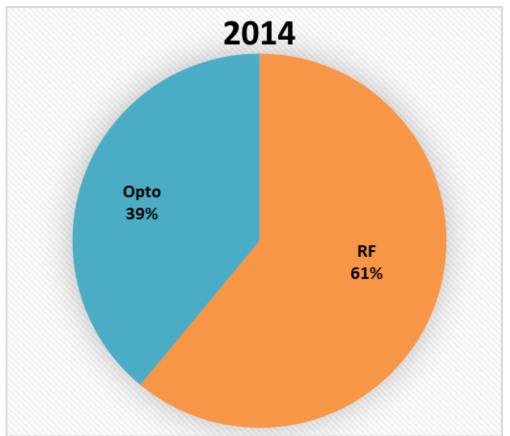




Revenue Product Mix % - YoY

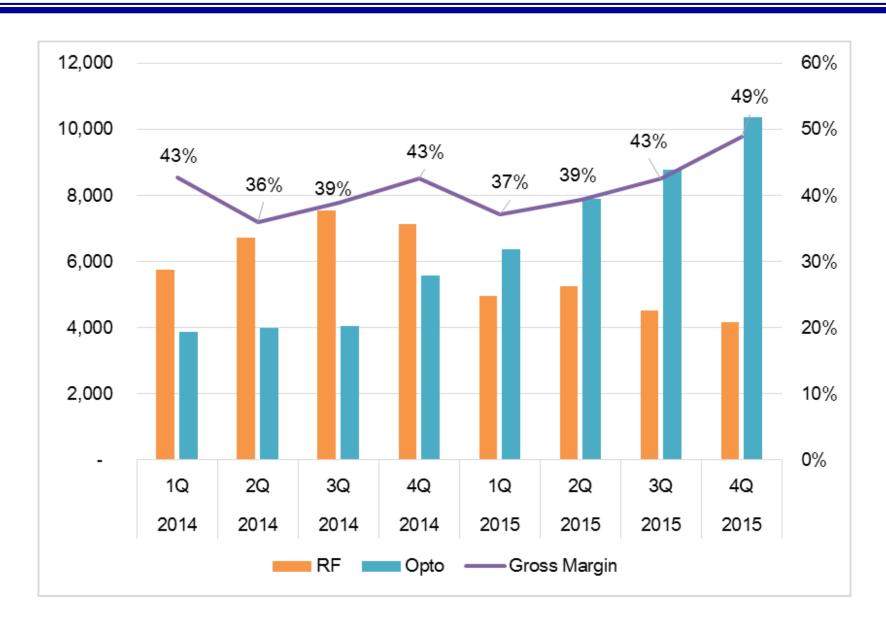






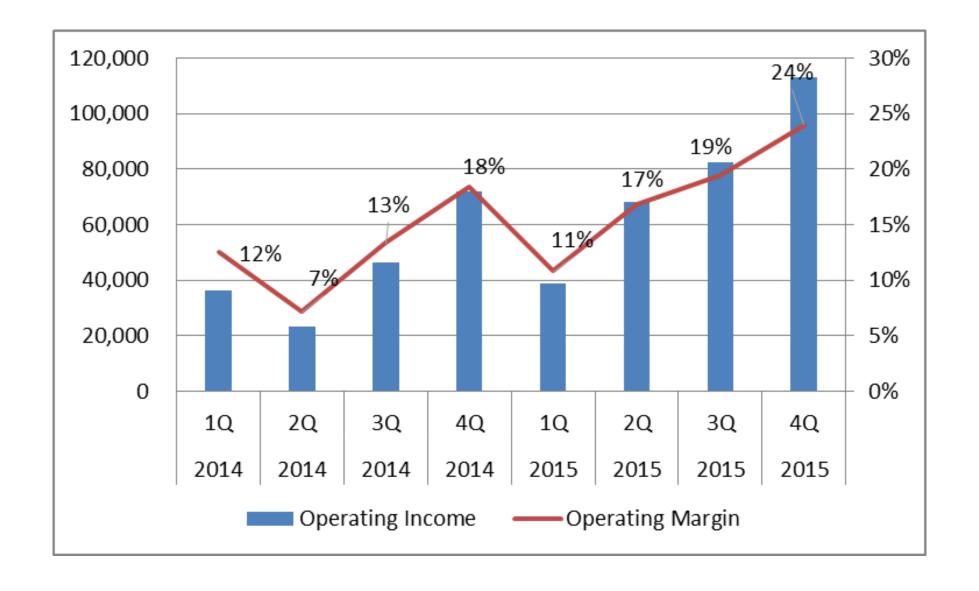
Revenue Mix (USD) vs Gross Margin





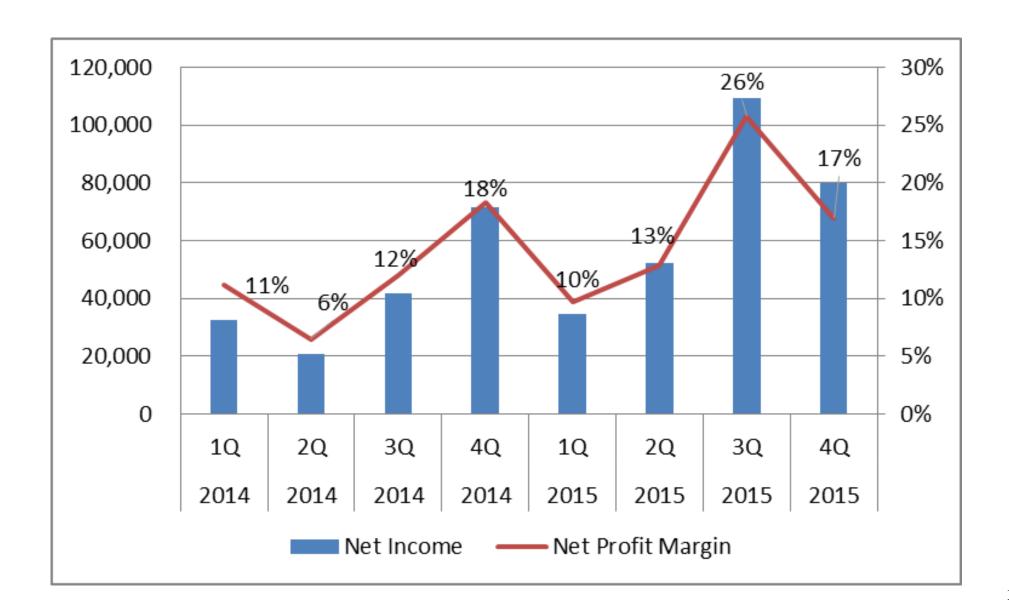
Trend of Operating Margin





Trend of Net Profit Margin



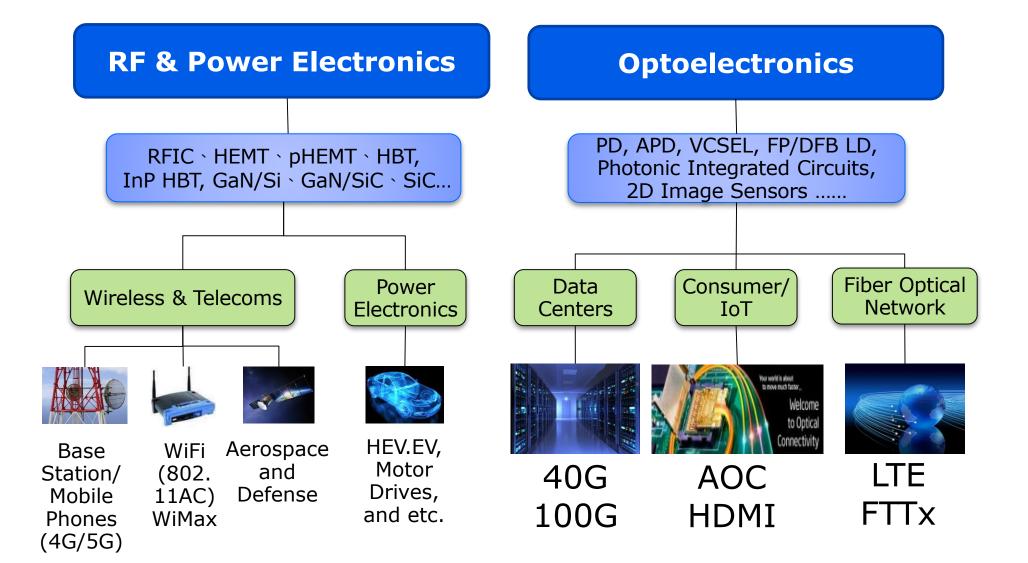




MARKET OVERVIEW

Applications & Markets





Optoelectronic Market





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TOSA/ROSA
/BOSA
/BOSA
Transceiver

Source: Lightcounting 2013

	2	2013	2	2014	2	015
(Selected Markets for GCS) Worldwide Total Accessible Chip Market (WTAM) (PD,	283		388		513	
MPD, APD, VCSEL,	<u>Captive</u>	<u>Merchant</u>	<u>Captive</u>	<u>Merchant</u>	<u>Captive</u>	<u>Merchant</u>
FP/DFB LD) (Lightcounting)	70%	30%	70%	30%	70%	30%
(in \$mm)	198	85	272	117	359	154

Source: GCS Estimates

Captive: Chip/OSA/Transceiver (~70%)

Avago, Finisar, JDSU, WTD, HG
 Optics, NeoPhotonics, Source
 Photonics, Hisense
 (Archcom/Multiplex), SAE/TDK

Merchant: Chip/OSA (~30%)

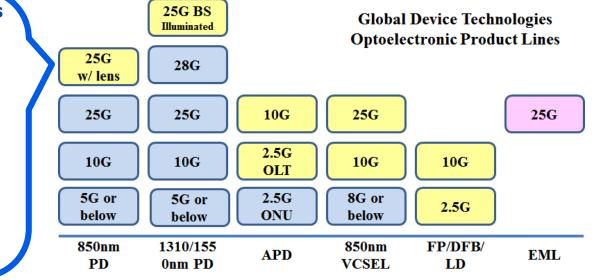
- Chip only GCS, D-Tech, Kyrosemi, 44th Institute, 13th Institute, Wooroo, Emcore, ULM, Oclaro
- Chip/OSA Mitsubishi, LuxNet, Truelight, Cosemi, BinOptics

Optoelectronic Market (cont.)



GCS targets to become world's premier optoelectronic chip supplier

- Pure-play chip supplier with high volume production capacity to service, not compete, with customers
- Majority of the capacity is using 2"- 4" wafers with many underutilized
 Wide product portfolio

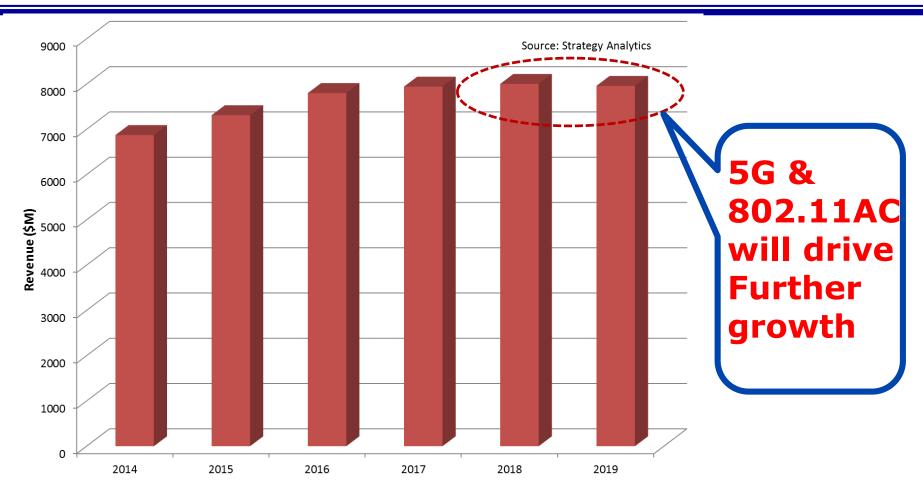


GCS is well positioned to provide opto wafer foundry service with strong R&D capability and flexible production capacity

- Leading system companies are driving the integration of opto transceivers via innovative photonic IC technologies
- Currently, GCS is the only foundry in the world that has brought a customer's photonic IC into production readiness

GaAs RF Market





Apple And Cisco Believe The 2.4GHz WiFi Band Is Unreliable And Everyone Should Opt For 5GHz Instead

- doesn't interfere with everyday appliances and devices

GaAs RF Market



	2013	2014	% of Change
Worldwide Semiconductor Revenue	\$306B	\$336B	+10%
Worldwide Semiconductor Foundry Revenue	\$34.6B	\$42.8B	+9%
% of Total	14%	14%	+0%
Worldwide GaAs Revenue	\$5,903 M	\$7,516 M	+27%
Worldwide GaAs Foundry Revenue	\$565M	\$600M	+6%
% of Total	10%	8%	-2%

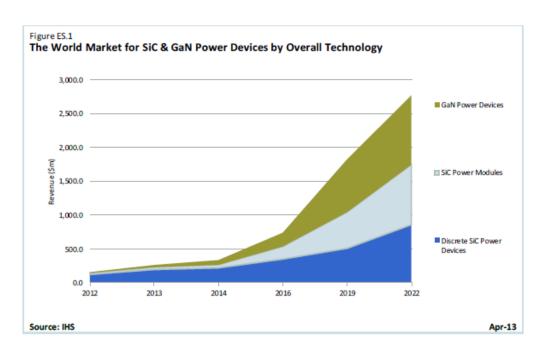
Source: GCS

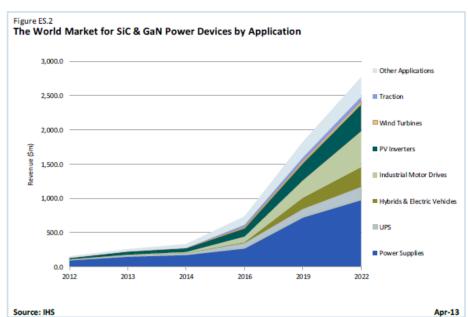
Major GaAS Players	2014 Rev (US\$mn)
Skyworkds	2,592
Qorvo (RFMD)	1,332
Qorvo (TriQuint)	1,025
Avago	1,708
Japan players	1,010
WIN	310
AWSC	83

- Given high volume platform,
 GCS is well positioned to
 drive a viable III-V wafer
 foundry industry:
 - □ A strong R&D team
 - Flexible manufacturing line and virtual foundry partnership
 - Strong and diversified customer and technology portfolio
 - GaAs HBT, pHEMT
 - InP HBT
 - SMART Filter
 - □ GaN/Si
 - GaN/SiC
 - □ SiC

Power Electronics Market







GCS has both GaN-based and SiC-based Technologies In-place.













For further inquiry investors@gcsincorp.com





