IR Presentation Q1 2022

Q1 2022 Results & Q2 2022 Guidance

May 2022 OE Solutions IR

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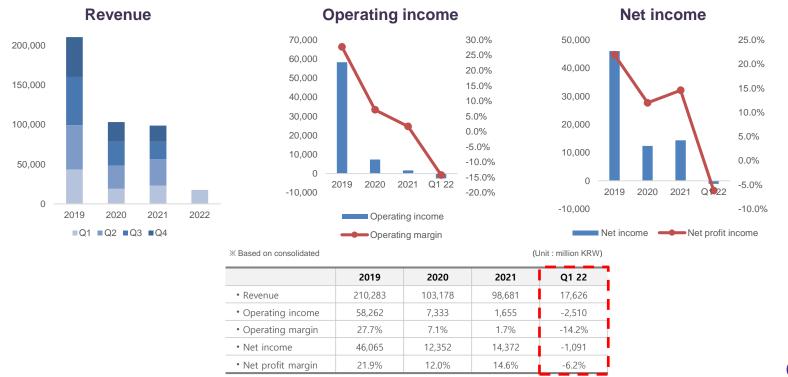
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Q1 2022 Result Review



2022년 1Q Revenue 17.6 KRW, Operating income -2.5B KRW(-14.2%), Net income -1.1B KRW(-6.2%)



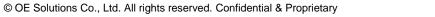


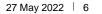


Q1 2022 Revenue 17.6B KRW / YoY -13.6%, QoQ -12%

구분 1Q 21 Q4 21 1Q 22 Revenue 23,068 17,626 -13.6% 20,023 -12.0% (Sales) Gross profit 8,345 5,812 33.0% -30.4% 5,052 15.0% Selling general Administrative 9,548 8,322 47.2% -12.8% 8,083 3.0% expenses Operating -1,203 -14.2% -108.7% -3,030 17.2% -2,510 Income(loss) Profit (loss) -**9.8**% -289.9 3,705 -146.7% -443 -1,729 Before tax Net income 2,573 -1,091 -**6.2%** -142.4 3,233 -133.8%

% Based on consolidated

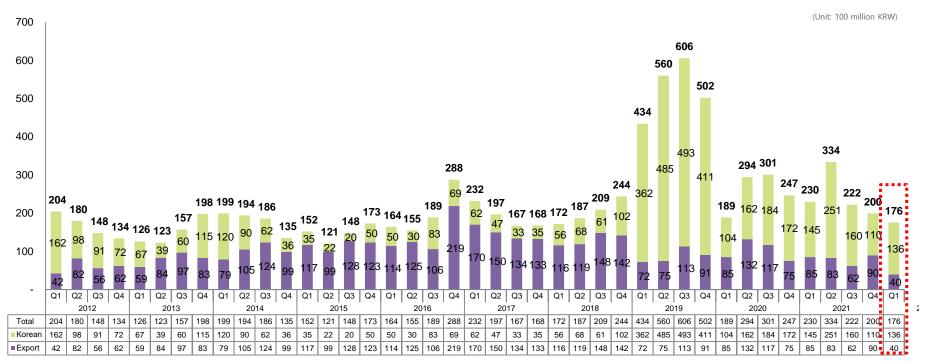




(Unit : million KRW)



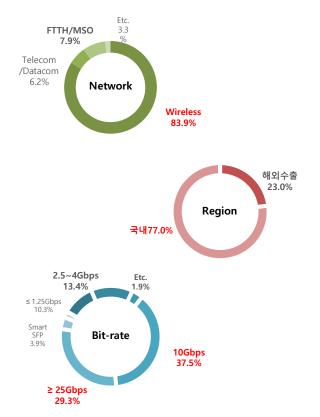
Global 5G investment Expected in 2H 2022



% Based on separate standard



Sales details



(Unit: 100 million KRW)

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	4Q 2021	1Q 2022	QoQ (%)
Network			
• Wireless	144.4	148.0	2.5%
 Telecom/Datacom 	16.3	11.0	-32.5%
• FTTH/MSO	35.6	14.0	-60.7%
• etc.	4	3.3	-17.5%
Region			
• Korean	110.7	135.7	22.6%
Overseas	89.3	40.6	-54.7%
Overseas ratio	44.7%	23.0%	
Bit-rate			
• ≤1.25Gbps	11.6	18.2	56.9%
• 2.5~4Gbps	37.6	23.6	-37.2%
• 5~6Gbps	20.5	6.4	-68.8%
• 10Gbps	53.9	66.2	22.8%
• ≥25Gbps	39.7	51.6	30.0%
• Smart SFP	33	6.8	-79.4%
• Component / Chip	4.0	3.3	-17.5%
• etc.	0.0	0.2	
Total	200.3	176.3	-12.0%

× Based on separate standard

5G(NR) Mobile Network Business



5G(NR) Mobile Network Business

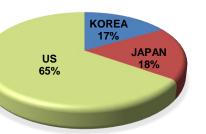


Global 5G Revenue Forecast



2021 5G Revenue

(Unit: 100 million KRW)



Region	Operator	Revenue	%
US	Verizon	37,522	65%
IADAN	KDDI	10 4 6 1	1.40/
JAPAN	NTT docomo	10,461	14%
	KT		
KOREA	LG U+	9,563	28%
	SKT		
T	Total		

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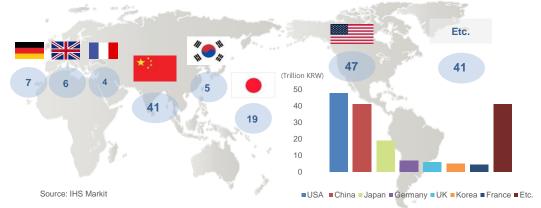


5G Market Forecast

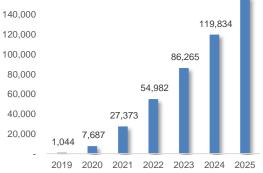


5G Infra equipment investment outlook









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Source: IHS Markit

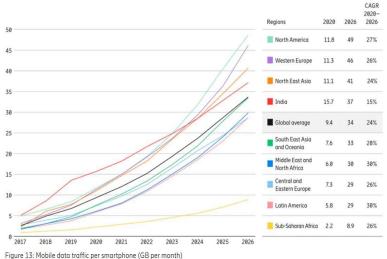
160,000

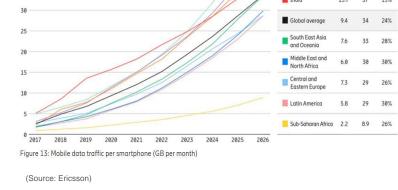


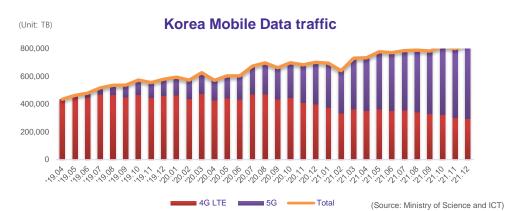
5G(NR) Mobile Network Business

Data traffic

Global Mobile data traffic outlook





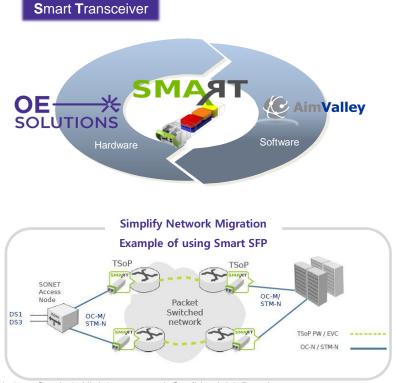




OE Solutions Vision & Strategy



World's First Leading Technology Smart Transceiver



Product Features Smart SFP value proposition Cost reduction Low Carbon Footprint **Operational Simplicity** Easy upgrade Space Saving Simple Installation 15.000

Smart Transceiver

The Network system features in the transceiver enable network migration at low cost and high efficiency. OE Solutions/AimValley

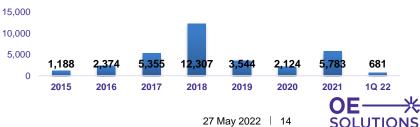
World's First Leading Technology

Global Tier 1 customer design in good progress

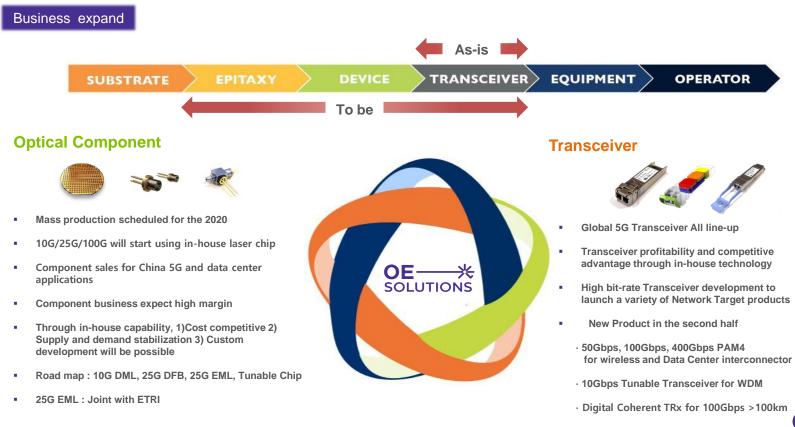
→Ciena, CISCO, Nokia, Juniper, ADVA etc.

(Unit: million KRX)

Smart Transceiver Revenue



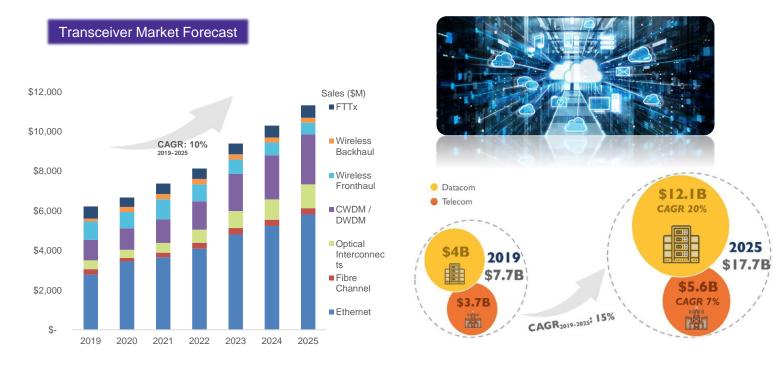




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Demand for Transceivers continues to increase due to infrastructure investments that require data connectivity



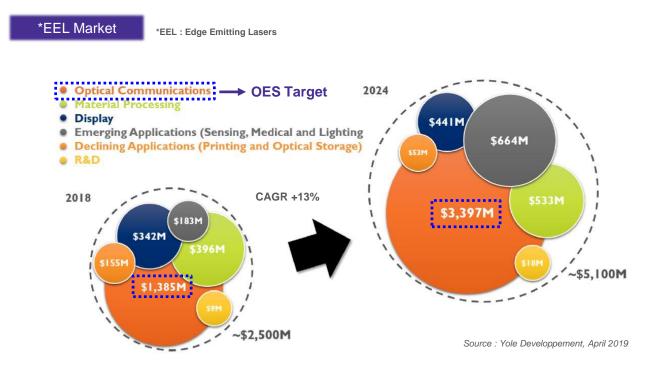
Source : Yole Developpement, 2020

Source : LightCounting, 2020 October Report



Vision & Strategy for OES's Semiconductor Laser Diode Chip

Target the Optical Communication market through Edge Emitting Lasers technology EEL technology has potential to expand into many businesses





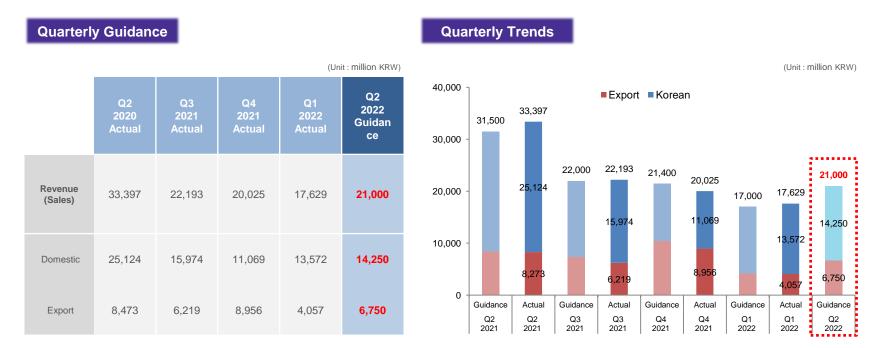
Q2 of 22 Guidance





Q2 Revenue is expected to 21.0B KRW

YoY -9%, QoQ +19%



X Consolidated and forecast as of March 2022



Appendix

- Company Introduction
- Financials





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SOLUTIONS

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Overview

Name	OE Solutions, Co., Ltd	Date of Established	Aug.7, 2003	
Number of Employees	411 (Korea: 390 / USA: 17 / Japan: 4)	Date of Listing	Feb.27, 2014(KOSDAQ code : 138080)	
Product	Optical Transceiver	Homepage	www.oesolutions.com	
Locations	Head Quarter : Gwangju, South Korea / US : Ridgefield Park, NJ, USA / JAPAN : Tokyo Japan			

(As of March.31,2022)

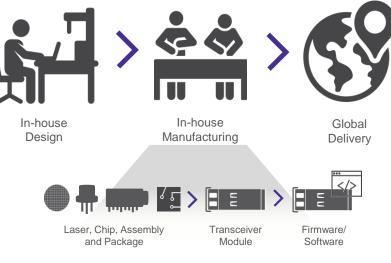


OE Solutions – A Global Supplier of Transceivers

Leading Supplier of High-Reliability Optical Components for Challenging Deployment Environments



- Leading supplier of optical components since 2003
- □ Founded by a team of Bell Labs and Samsung veterans
- Traded on KOSDAQ since 2014
- Key supplier to tier-1 MSO and Wireless OEMs
- Serving global customer in over 50 countries
- Leading supplier of BIDI and I-Temp Optics
- Leading supplier of Smart SFPs (co-developed with AimValley)
- Vertically integrated production
- □ In-house production in Gwangju, S. Korea factory
- □ R&D sites in Korea, USA and the Netherlands





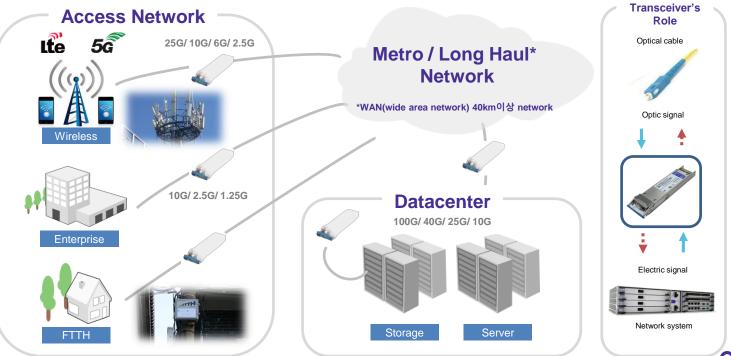


	Manufactur	ing Process	Manufacturing Technology		
Chip		Laser Diode Photo Diode	Epitaxy / Fabrication / Wafer Characterization		
Assembly		TO/ XMD (Cooled/ Uncooled)	Die Bonding, Wire Bonding, Seam Sealing, Burn-in, DC/AC Test		
Package	-	OSA (TOSA/ ROSA/ BOSA)	Laser welding, Epoxy bonding, DC/AC Test	13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Circuit / Module	e	Transceiver (Tuning & Test)	Auto Soldering / Auto Tuning / Test		
Firmware / Software	TRAME	Sub-system (Network Migration & Self-Monitoring Technology)	Co-developed with AimValley, a networking technology expert in Netherlands		
Production		Own manufacturing, assembly & testing facility	Low cost, flexible production		



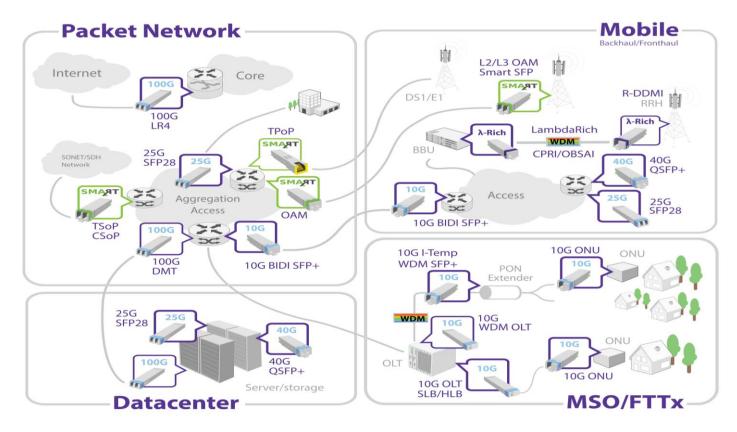






Transceiver required for network connections









Consolidated

2010

		(Unit : million KRW)
	2021	2022 1Q
2 1 7 0	09 691	17.636

	2019	2020	2021	2022 IQ
Revenue (Sales)	210,283	103,178	98,681	17,626
Cost of sales	122,835	62,686	62,416	11,813
Gross profit	87,448	40,492	36,265	5,812
Selling general administrative expenses	29,186	33,159	34,610	8,322
Operating income(loss)	58,262	7,333	1,655	-2,510
Profit (loss) before tax	58,388	6,699	11,967	-1,729
Net income	46,065	12,352	14,372	-1,091

2020

Separate standards

(Unit : million KRW)

	2019	2020	2021	2022 1Q
Revenue (Sales)	210,242	103,172	98,681	17,629
Cost of sales	122,835	62,686	62,416	11,688
Gross profit	87,407	40,486	36,265	5,940
Selling general administrative expenses	28,533	33,180	33,912	8,110
Operating income(loss)	58,874	7,305	2,353	-2,169
Profit (loss) before tax	59,436	6,990	11,466	-1,588
Net income	47,026	12,227	13,920	-907



Consolidated

	2019	2020	2021	2022 1Q
Current assets	137,422	129,808	106,938	115,332
Cash and cash equivalents	44,259	40,068	31,095	27,662
Accounts receivable	33,138	14,847	10,778	7,978
Inventory asset	24,222	22,484	33,334	36,201
Non-current assets	46,945	65,377	94,901	86,815
Property, plant and equipment	30,161	39,269	39,791	40,160
Intangible assets	738	746	860	859
Total assets	184,367	195,184	201,839	202,147
Current liabilities	42,847	45,749	40,745	45,191
Short-term debt	27,000	36,000	34,000	34,000
Non-current liabilities	2,211	2,455	1,794	1,892
Total liabilities	45,059	48,204	42,539	47,083
Capital	5,312	5,312	5,312	5,312
Paid-in capital in excess of par value	52,031	52,002	52,002	52,002
Retained earnings	79,731	87,511	99,665	95,389
Total equity	139,308	146,981	159,299	155,065

(Unit : million KRW)

Separate standards

(Unit : million KRW)

	2019	2020	2021	2022 10
	2013	LOLO	2021	
Current assets	136,299	127,504	105,532	114,299
Cash and cash equivalents	42,423	34,557	27,929	25,377
Accounts receivable	33,096	18,137	12,599	8,040
Inventory asset	24,222	22,484	33,334	36,201
Non-current assets	46,416	65,055	93,630	85,366
Property, plant and equipment	29,192	38,592	38,676	39,036
Intangible assets	36	18	52	50
Total assets	182,715	192,559	199,162	199,665
Current liabilities	43,065	44,794	40,811	45,363
Short-term debt	27,000	36,000	34,000	34,000
Non-current liabilities	1,676	2,164	1,047	1,090
Total liabilities	44,740	46,959	41,858	46,453
Capital	5,312	5,312	5,312	5,312
Paid-in capital in excess of par value	52,031	52,002	52,002	52,002
Retained earnings	78,461	86,116	97,819	93,728
Total equity	137,975	145,600	157,303	153,212



Thank you.



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