PHOTON IS OUR BUSINESS

Hamamatsu financial reporting

Fiscal Year ended September 30, 2017

November 2017

Hamamatsu Photonics K.K.

Tokyo Stock Exchange: 6965

www.hamamatsu.com



Notes

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Annual Consolidated Performance

in million yen

FY: October 1-September 30

	FY2016		FY2017	FY2018				
	Year	Revised Forecast 2017/5/8	Year	compared with prev. year	Year Plan	compared with prev. year		
Net Sales	121,852	127,500	130,495	+7.1 %	136,300	+4.4%		
Gross Profit (%)	61,044 (50.1%)	63,700 (50.0%)	64,825 (49.7%)		68,300 (50.1%)	+5.4%		
Operating Income	20,544	21,400	22,849	+11.2 %	23,600	+3.3%		
Ordinary Income	20,050	22,500	24,037	+19.9 %	23,900	-0.6%		
Net Income	14,419	16,300	17,777	+23.3 %	17,500	-1.6%		
* Net Income per share (yen)	90.23	103.61	113.00	+25.2%	111.24	-1.6%		
ROE	8.3%	9.2%	10.0%		9.0%			
Dividends (yen)	34	-	34	-	34	-		
Exchange rate	actual rates		actual rates	assumption rates				
1 US dollar(yen)	111.77 yen		111.27 yen	110.00 yen				
1 euro(yen)	124.02 yen		122.91 yen	125.00 yen				
1 RMB(yen)	18.09 yen		16.03 yen		16.00 yen			



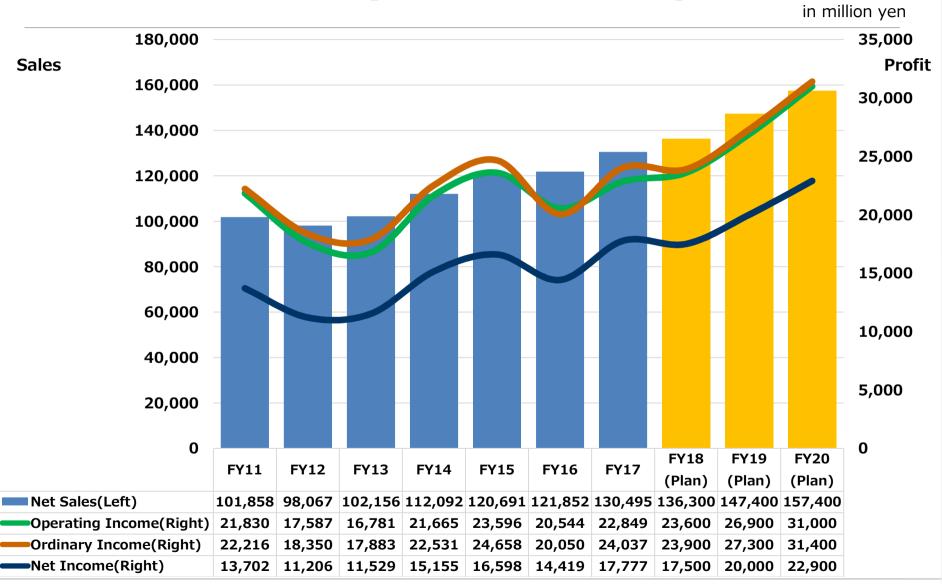
Consolidated Income Statements

in million yen

	FY201	6 FY2017				FY2018	B(Plan)		FY2019(Plan)		FY2020(Plan)			
	Year	%	1st Half	2nd Half	Year	%	1st Half	2nd Half	Year	%	Year	%	Year	%
Net Sales	121,852	100.0	64,953	65,542	130,495	100.0	67,700	68,600	136,300	100.0	147,400	100.0	157,400	100.0
Cost of Sales	60,807	49.9	32,915	32,755	65,670	50.3	33,800	34,200	68,000	49.9	74,900	50.8	79,700	50.6
Gross Profit	61,044	50.1	32,038	32,787	64,825	49.7	33,900	34,400	68,300	50.1	72,500	49.2	77,700	49.4
Selling, G & A Expenses	28,627	23.5	15,052	15,146	30,199	23.1	15,600	15,100	30,700	22.5	32,100	21.8	32,800	20.8
R & D Expense	11,873	9.7	5,824	5,951	11,776	9.0	6,700	7,300	14,000	10.3	13,500	9.2	13,900	8.8
Operating Income	20,544	16.9	11,161	11,688	22,849	17.5	11,600	12,000	23,600	17.3	26,900	18.2	31,000	19.7
Non-Operating Income	×/1	0.7	943	464	1,407	1.1	300	300	600	0.4	600	0.4	600	0.4
Non-Operating Expense	1,314	1.1	125	93	219	0.2	200	100	300	0.2	200	0.1	200	0.1
Ordinary Income	20,050	16.5	11,978	12,059	24,037	18.4	11,700	12,200	23,900	17.5	27,300	18.5	31,400	19.9
Extraordinary Income	813	0.7	11	223	234	0.2	0	0	0	0.0	0	0.0	0	0.0
Extraordinary Expense	783	0.6	35	666	701	0.5	0	0	0	0.0	0	0.0	100	0.1
Pre-Tax Income	20,080	16.5	11,954	11,615	23,570	18.1	11,700	12,200	23,900	17.5	27,300	18.5	31,300	19.9
Income taxes etc.	5,660	4.6	3,037	2,755	5,793	4.4	3,200	3,200	6,400	4.7	7,300	5.0	8,400	5.4
Net Income	14,419	11.8	8,917	8,859	17,777	13.6	8,500	9,000	17,500	12.8	20,000	13.6	22,900	14.5

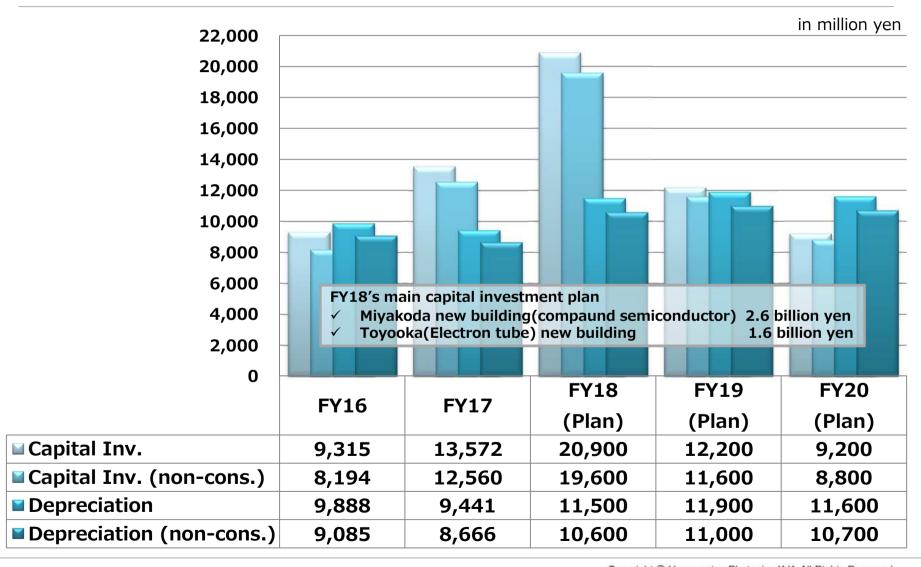


Sales & Profit (Consolidated)





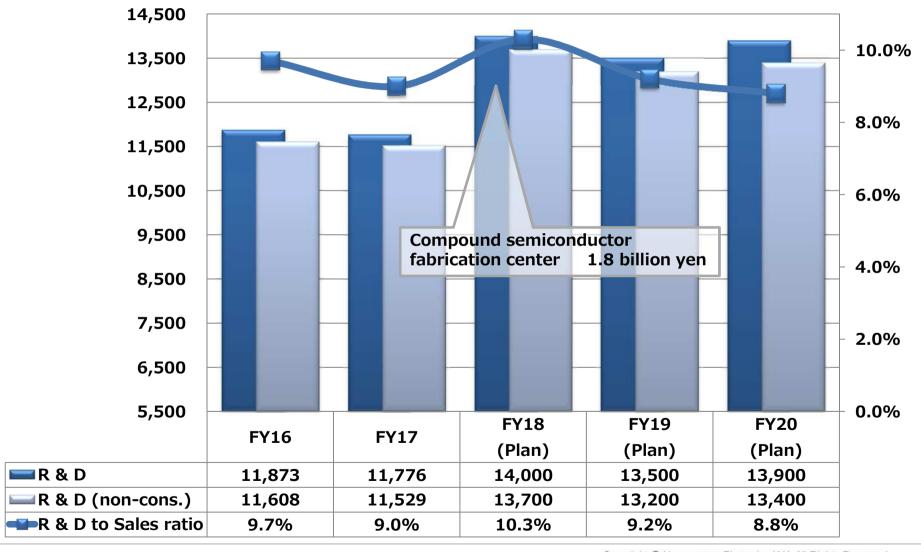
Capital Investment (payment based) & Depreciation





R & D Expense

in million yen





Sales by Region(Consolidated)

in million yen

Dogiou	FY14		FY15			FY16		FY17			
Region	Year	Year	Y/Y	Share	Year	Y/Y	Share	Year	Y/Y	Share	
Japan/Do mestic	36,823	37,238	101.1%	30.9%	36,258	-2.6%	29.8%	38,378	+5.8%	29.4%	
North America	31,101	35,135	113.0%	29.1%	32,704	-6.9%	26.8%	33,314	+1.9%	25.5%	
Europe	27,682	29,603	106.9%	24.5%	30,138	+1.8%	24.7%	32,961	+9.4%	25.3%	
Asia and China	16,248	18,381	113.1%	15.2%	22,489	+22.3%	18.5%	25,546	+13.6%	19.6%	
Other	235	333	141.2%	0.3%	261	-21.6%	0.2%	293	+12.5%	0.2%	
Total	112,092	120,691	107.7%	100.0%	121,852	+1.0%	100.0%	130,495	+7.1%	100.0 %	

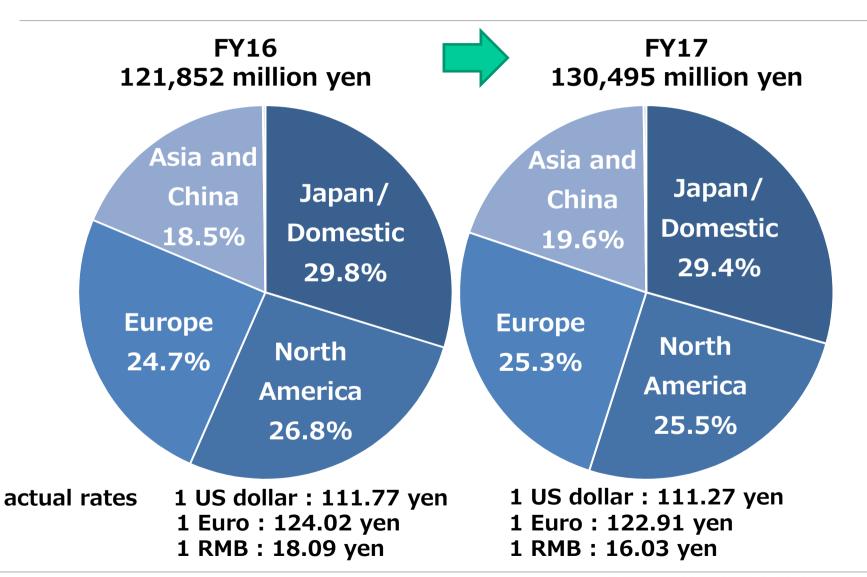
*numbers are rounded off to million yen

Major countries on each region

- North America: United States of America
- Europe: Germany, France, U.K., Sweden, Italy
- Asia and China: China, South Korea, Taiwan Israel, India,
- Other: Australia

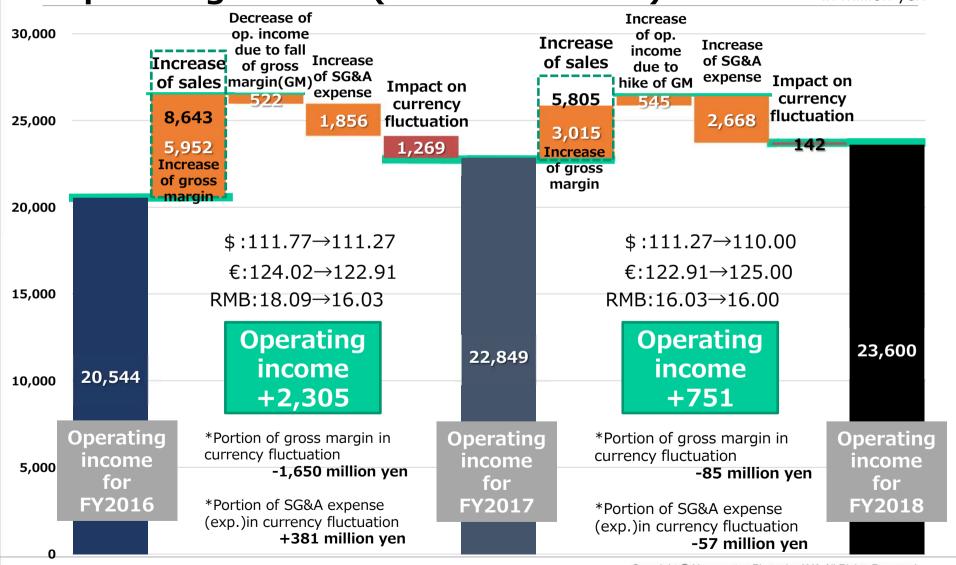


Sales by Region(Consolidated)





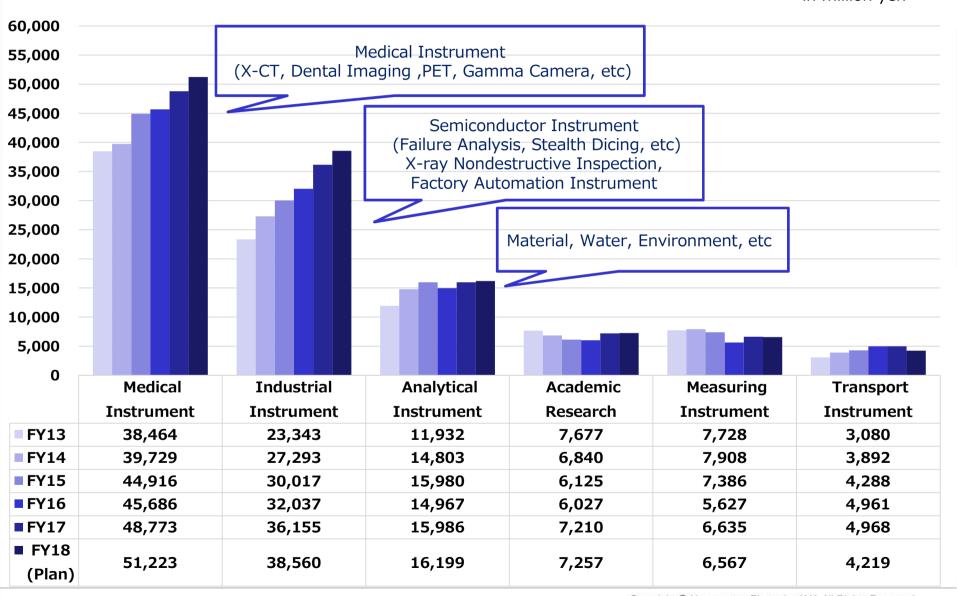
Analysis of impact on currency fluctuation in operating income (trial calculation) in million yen



Sales by Industry & Application (Consolidated)



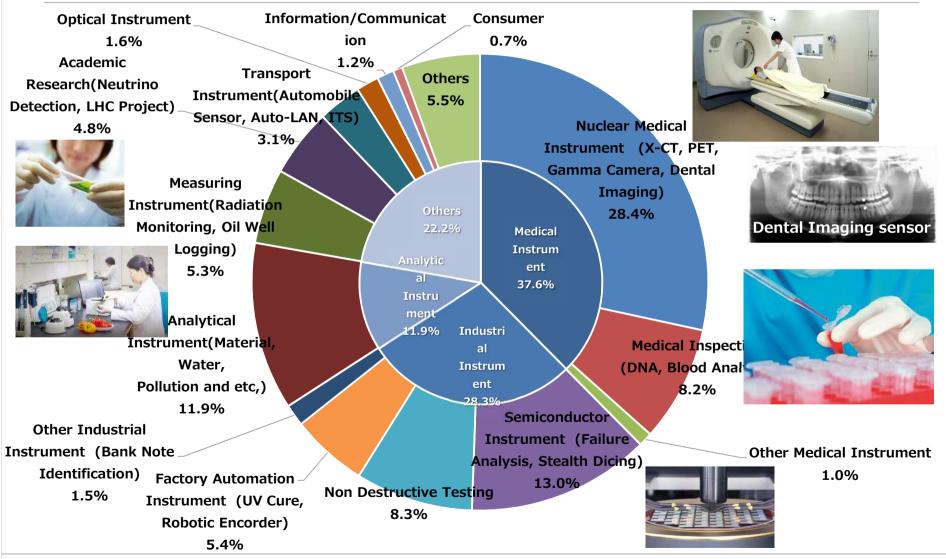
in million yen





Sales by Industry & Application (Consolidated)

FY18 Projection





Sales by Industry & Application (Consolidated) 1/2

in million yen

	FY16				FY17				FY18(Plan)				
Application	March September			March	arch September			March September					
	1st Half	2nd Half	Year	%	1st Half	2nd Half	Year	%	1st Half	2nd Half	Year	%	
Medical Instrument	23,272	22,414	45,686	37.5	24,641	24,132	48,773	37.4	25,255	25,967	51,223	37.6	
Medical Instrument (X-CT, PET, Gamma Camera, Dental Imaging)	18,094	17,561	35,656	29.3	19,133	18,405	37,538	28.8	19,077	19,609	38,687	28.4	
Medical Inspection (DNA, Blood Analyzer)	4,400	4,185	8,585	7.0	4,838	5,056	9,894	7.6	5,520	5,666	11,187	8.2	
Other Medical Instrument	776	668	1,445	1.2	670	669	1,339	1.0	657	691	1,348	1.0	
Industrial Instrument	15,824	16,213	32,037	26.3	17,324	18,831	36,155	27.7	18,983	19,576	38,560	28.3	
Semiconductor Instrument (Failure Analysis, Stealth Dicing)	7,724	7,745	15,470	12.7	8,176	9,062	17,238	13.2	8,836	8,862	17,699	13.0	
Non Destructive Testing	4,923	5,115	10,038	8.2	5,350	5,240	10,590	8.1	5,518	5,835	11,353	8.3	
Factory Automation Instrument (UV Cure, Robotic Encorder)	2,104	2,433	4,537	3.7	2,787	3,391	6,178	4.7	3,637	3,773	7,410	5.4	
Other Industrial Instrument (Bank Note Identification)	1,072	920	1,992	1.6	1,009	1,139	2,148	1.6	991	1,104	2,096	1.5	
Analytical Instrument : Material, Water, Environment	8,168	6,799	14,967	12.3	7,886	8,100	15,986	12.3	8,149	8,050	16,199	11.9	
Academic Research: Neutrino/Dark Matter Detection	3,576	2,451	6,027	4.9	3,850	3,360	7,210	5.5	4,087	3,170	7,257	5.3	
Exchange Rates	actual		actua	nl	actual		actua	nl	assumption		_		
1 US dollar (yen)	118.39	_	111.77		111.51	-	111.27		110.00				
1 euro (yen)	130.05	_	124.02		119.45	_	122.91				125.00		



Sales by Industry & Application (Consolidated) 2/2

in million yen

	FY16				FY17				FY18(Plan)			
Application	March September			March September			March September					
	1st Half	2nd Half	Year	%	1st Half	2nd Half	Year	%	1st Half	2nd Half	Year	%
Measuring Instrument: Radiation Monitoring, Oil Well Logging	3,025	2,602	5,627	4.6	3,174	3,461	6,635	5.1	3,258	3,308	6,567	4.8
Transport Instrument: Automobile Sensor,Auto-LAN, ITS	2,513	2,448	4,961	4.1	2,467	2,501	4,968	3.8	2,091	2,128	4,219	3.1
Information/Communication: Optical Communication, Computer Storage,Communication Equipment	1,121	1,117	2,238	1.8	1,082	973	2,055	1.6	1,097	1,087	2,184	1.6
Optical/Photographic Instrument: Laser Microscope	829	955	1,784	1.5	1,004	796	1,800	1.4	819	816	1,636	1.2
Consumer Instrument: Audio Link,Auto-dimming	264	328	593	0.5	425	494	919	0.7	468	442	911	0.7
Others/Not Classified	4,247	3,683	7,931	6.5	3,093	2,897	5,990	4.6	3,487	4,051	7,539	5.5
Total	62,843	59,009	121,852	100.0	64,953	65,542	130,495	100.0	67,700	68,600	136,300	100.0
Exchange Rates	actual		actua	al	actual		actua	al	assumption			
1 US dollar (yen)	118.39	_	111.77		111.51	_	111.27		110.00			
1 euro (yen)	130.05	_	124.02		119.45	_	122.91		125.00			



High-Energy Physics Experiments using Photomultiplier Tubes

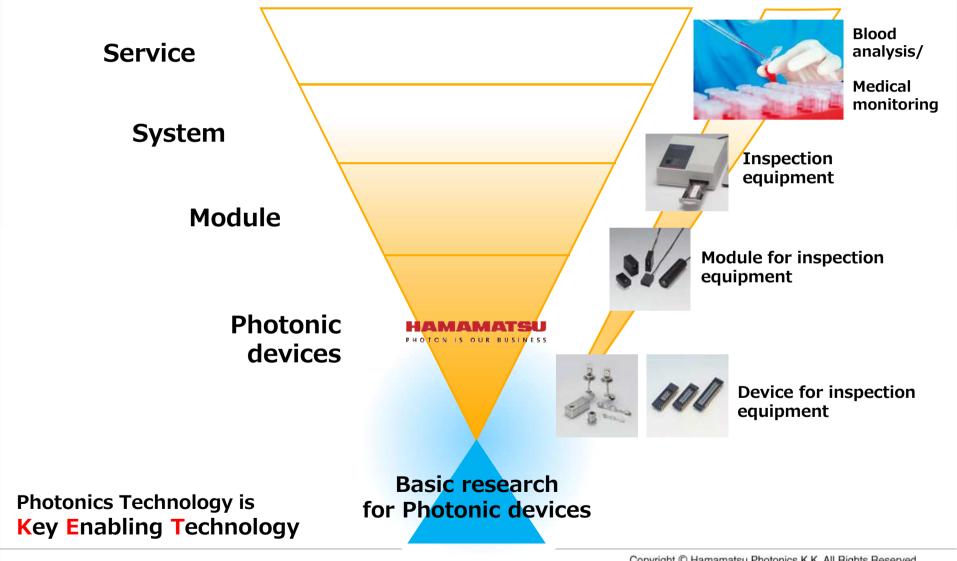
	Project Name	Purpose	Place	Expected year of first delivery	number
	Hyper-Kamiokande	Neutrino, Proton Decay	Japan	2018	82,000 14,000
Underground	LZ7(7t)/SURF	Dark Matter	USA	2016	460 100 135
	JUNO(Daya Bay II)	Neutrino	China	2016	5,000
Doon oos	KM3NeT	Neutrino	Europe	2018	175,000
Deep-sea	Baikal-GVD	Neutrino	Russia	2015	10,000
Teo ovnovine out	IceCube-PINGU	Neutrino	Antarctica	2018	60,000
Ice experiment	IceCube-HEX	Neutrino	Antarctica	2021	282,000
Ground-surface	СТА	Gamma-Ray Space Telescope	Southern and Northern Hemisphere	2015	96,000
Space	K-EUSO	Extreme energy cosmic ray particle	ISS	2020	2,000
Accelerator	RICH/LHC-B/CERN	Collision experiments (Higgs)	Europe	2016	3,550
experiment	RICH/CBM/GSI	Fixed target experiment	Europe	2015	1,100



Medium- and long-term vision

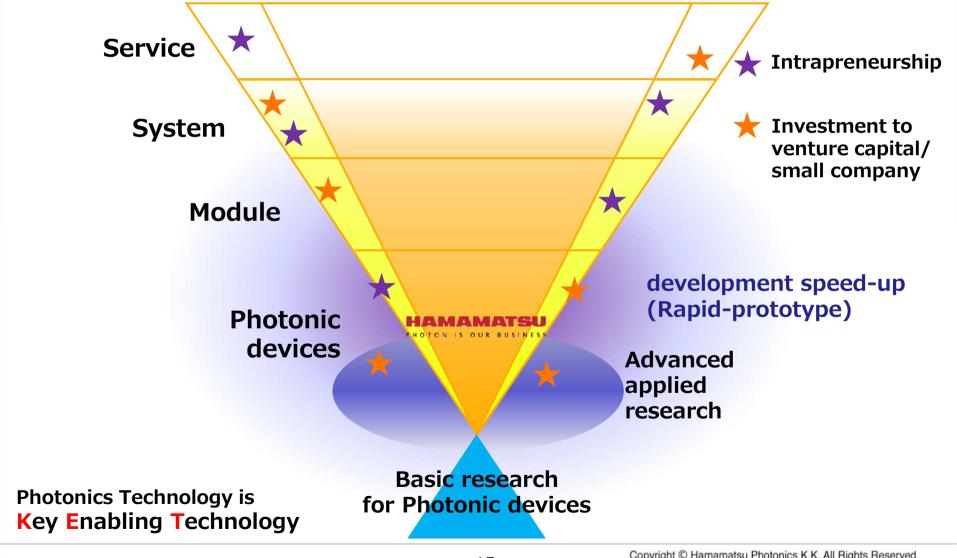


Structure of Industry using Photonics Technology



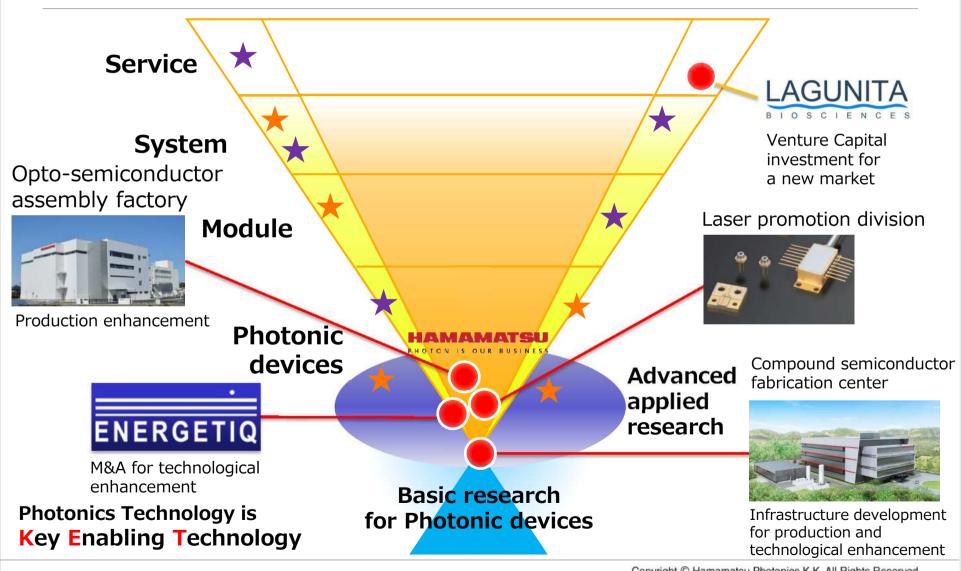


Sustainable growth strategy





Competitiveness enhancement





Compound semiconductor fabrication center

(Infrastructure development for production and technological enhancement)

Purpose

 As the IR light market is expected to expand, investment to strengthen the production capacity of compound optosemiconductor's sensor and light source.

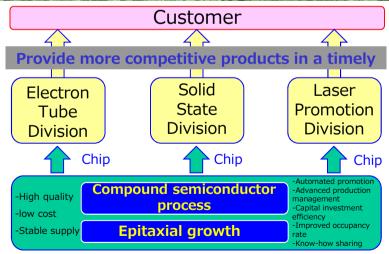
Overview

- Shinmiyakoda, Kita-ward, Hamamatsu-city
- Completed at Nov. 2017
- Operation scheduled at Apr. 2018
- Steel-framed and 4 story building (quake-absorbing structure)
- Building area: 3,767m²
- Total floor area: 9,944m²
- Monthly production
 - : 2 thousand in 2 inch wafer equivalent

> Investment amount

Approx. 4.3 billion yen





Shared front-end process by business division



Compound semiconductor fabrication center

(Infrastructure development for production and technological enhancement)

> Application of IR

Analysis -Food, Air, Water quality, Gas etc.
 LED+InGaAs, QCL+InAsSb

Industry -Laser processing, encoder

DDL, CWLD for fiber laser pumping, LED

Medical -Gas monitor(breath analysis etc.)OCL+InAsSb

Communication -Optical communication,

-Quantum encryption communication

InGaAs-PD、InGaAs-APD

Transportation -In-vehicle biometric identification, LiDAR

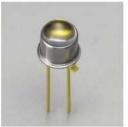
PLD, Infrared LED, InGaAs-APD

Measurement -Disaster prevention detection(In tunnel)

> Expected investment effect

- Production will start from Oct. 2020 and grow 9% per annum until 10 years later.
- Start operating from Apr. 2018, prepare for sequential migration work and stable production.

















PIN photodic



Opto-semiconductor assembly factory (Production enhancement)

Purpose

- Production enhancement for opto-semiconductor's back-end process (assembly and inspection).
 - →It corresponds to increase of demand for sensor and light source for X-ray nondestructive inspection, automobile and industrial equipment etc. with growing demand.

Overview

- Shingai-cho, Minamiward, Hamamatsu-city
- Completed at Mar. 2017
- Operated at May 2017
- Steel-framed and 4 story building
- Building area: 2,659m²
- Total floor area: 9,342m²
- Monthly production: 6 million pieces

> Investment amount

Approx. 2.8 billion yen







M&A for technological enhancement

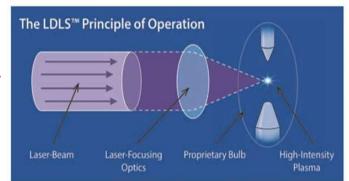
We acquired the technology of Energetiq technology, Inc...

> Overview

✓ Development, manufacturing and distribution of light source for semiconductor inspection.
Laser-Driven Light Source

✓ High brightness UV light source LDLS : Laser Driven Light Source

- ✓ A high-technologically oriented company The only company which produces EUV (Extreme Ultra Violet) light source.
- ✓ Amount paid 53 million dollar
- > Purpose
- ✓ Expansion of light source product lineup in our group
- ✓ Synergy of Energetiq's light source and our light source and sensor technology -More value-added product development
- ✓ Respond quickly to customer needs -Rapid prototyping







Venture Capital investment for a new market

- We invested Lagunita Biosciences
 LLC from interaction with Stanford
 University.
- Venture capital and incubator for the purpose of technology and marketing.





Expand the new application

- Prefetch of the market needs
- A new market gain
- Diversification of business category
- Human resource development



Topics

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Change of Representative Director (plan)

Change of Representative Director and Officers

As of today's date the Board of Directors has resolved to submit for approval the following changes of representative director and officers to the General Shareholders, the Board of Directors, and the Audit & Supervisory Board Members meetings to be held on December 22, 2017.

In an effort to strengthen the management and promote growth in our business, and due to the retirement of the current Representative Director, Haruji Ohtsuka, who will be assuming a Senior Adviser role, Junichi Takeuchi will assume the position of Representative Director, and Vice President. Mr. Takeuchi is currently Representative Director, Senior Managing Director and Divisional Manager of Electron Tube Division.



Change of Director and Officers (plan)

The following individuals have been appointed to the Board as Directors: Kazuhiko Mori, presently Audit & Supervisory Board Member Tadashi Maruno, presently Deputy Divisional Manager of Systems Division Takayuki Suzuki, presently Deputy Divisional Manager of Solid State Division Ken Koibuchi (outside), presently Executive General Manager of Toyota Motor Corporation

The following individuals are retiring from active service on the Board:

Teruo Hiruma, presently Chairman of the Board Hitoshi Iida, presently Managing Director Mitsutaka Takemura, presently Managing Director Tadahiko Shimazu, presently Director Kiyotaka Ise(outside), presently Director

Mr. Teruo Hiruma will be awarded the position of Honorary Chairman. The Company thanks the retiring members of the Board for their service and contributions to the success of our business.

As for Board of Audit & Supervisory, Akira Utsuyama has been appointed as the member. Mr. Utsuyama is currently General Manager of the Intellectual Property Division. He replaces Kazuhiko Mori who will assume the position of Director.



Improve shareholder returns and capital efficiency

Purchase of Treasury Stock and Cancellation of Treasury Stock

- 1. Reasons for the purchase and cancellation of treasury stock Our Company will purchase and cancel treasury stock in order to implement a flexible capital policy to respond to changes in the business environment and to improve shareholder returns and capital efficiency.
- 2. Details of matters pertaining to the purchase of treasury stock
 - (1) Class of shares to be purchased: Common stock of the Company
 - (2) Total number of shares to be purcahsed: 3,000,000 shares (maximum)
 - (1.90% of the total number of shares issued [excluding treasury stock])
 - (3) Total amount of purchase cost: ¥10 billion (maximum)
 - (4) Purhcase period: November 14, 2017 to March 23, 2018
 - (5) Purchase method: at Tokyo Stock Exchange
- 3. Details of matters pertaining to the cancellation of treasury stock
 - (1) Class of shares to be cancelled: Common stock of the Company
- (2) Number of shares to be cancelled: * All shares of treasury stock purchased as stated in

item 2 above

(3) Scheduled date of cancellation: April 20, 2018



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