



FUTURING SMART ENERGY

1Q 2018 Review & Outlook

LS IS



Disclaimer

This presentation material is prepared for investors' reference, based on data that have not been filed with the financial supervisory commission.

Actual business performance may not necessarily be consistent with the projections herein, as a result of unexpected changes in the market environment and other conditions.

The financial information in this document are consolidated earnings results based on K-IFRS.

I . Results & Outlook

1Q 2018 Total Results

Sales 592bwn (YoY 32bwn increased), Operating Profit 55bwn (YoY 20bwn increased)

Electric Infra, Automation and Convergence led to the increase

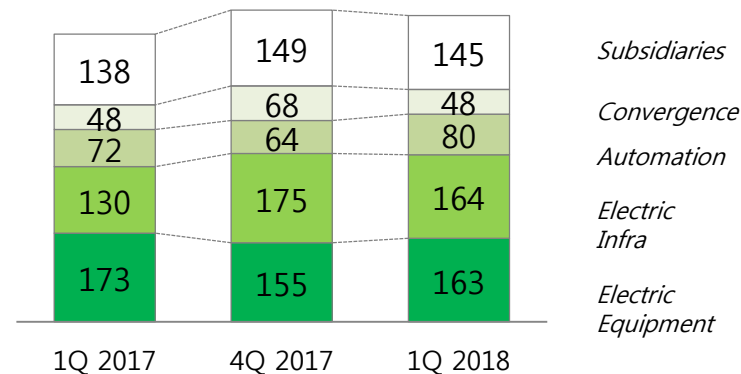
Income Statement

(unit : bwn)

Segment	1Q 2017	4Q 2017	1Q 2018	YoY	QoQ
Sales	559	605	592	32	△13
Operating Profit	36	23	55	20	32
Profit before tax	22	24	53	31	29
Net income	19	16	43	23	27

Sales Breakdown by Business

(unit : bwn)



* Subsidiaries includes LS Metal, LS Sauter, LS Mecapion, LSIS Wuxi, LSIS Dalian and LS-Vietnam

** Convergence Business includes Trans SOC, Solar, Smart-Grid and EV components.

*** Sales of subsidiaries are before the consolidated adjustments.

1Q 2018 Financial Position

Total assets 2,355bwn (YoY 117 bwn increased)

Total liabilities/Equity Ratios dropped 9%p (YoY, 112%→103%)

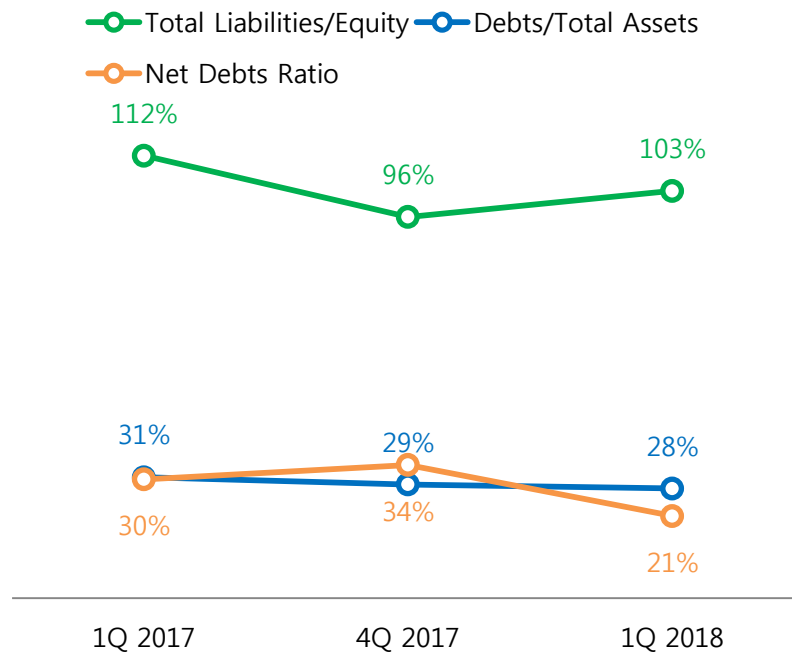
Financial Statement

(unit : bwn)

Segment	1Q 2017	4Q 2017	1Q 2018	YoY	QoQ
Total Assets	2,238	2,256	2,355	117	99
Current Assets	1,392	1,416	1,526	134	110
Cash & cash equivalent	367	262	413	46	151
Total Liabilities	1,182	1,108	1,195	13	88
Debts	684	648	653	△31	5
Net Debts	317	387	241	△77	△146
Equity	1,056	1,148	1,160	104	12

Financial Ratios

(unit : %)

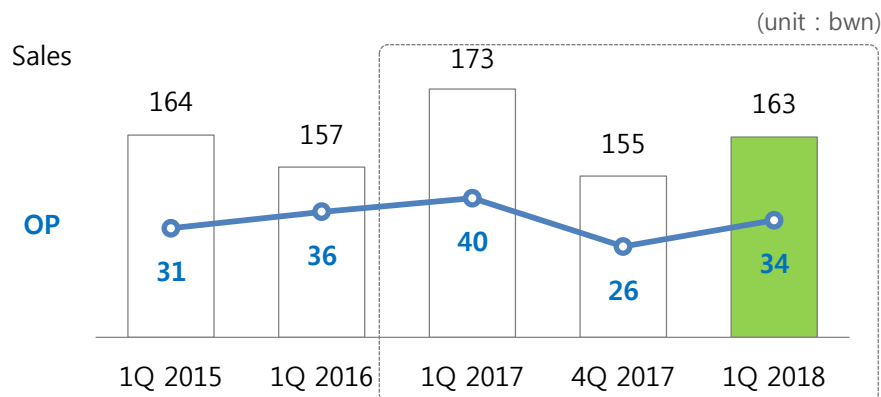


Business Results & Outlook

Electric Equipment – Sales decreased in overseas mkt

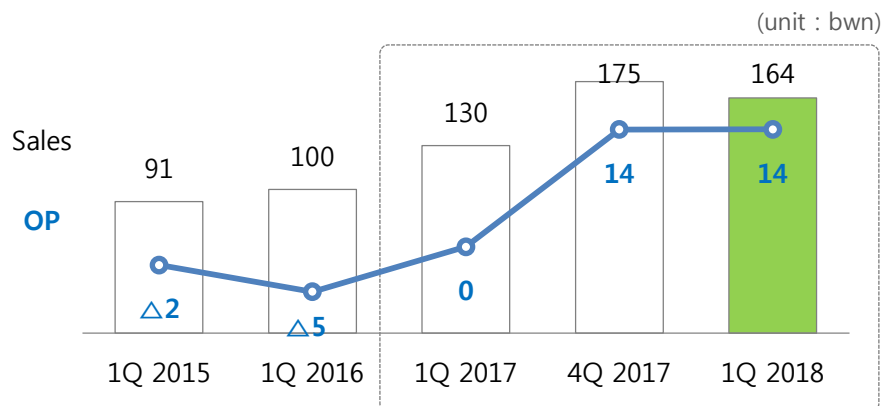
Electric Infra – Sales profit grew due to SWGR and TR in Domestic Market

Electric Equipment



- Sales decreased YoY 6.0%, OP decreased YoY 15.9%
 - Sales decreased by overseas mkt
 - Sales profit decreased by exchange rate
- For the 2018,
 - Strengthen Domestic sales in DC Equipment mkt
 - Expansion into SE Asia mkt by direct sales and distribution channel development

Electric Infra



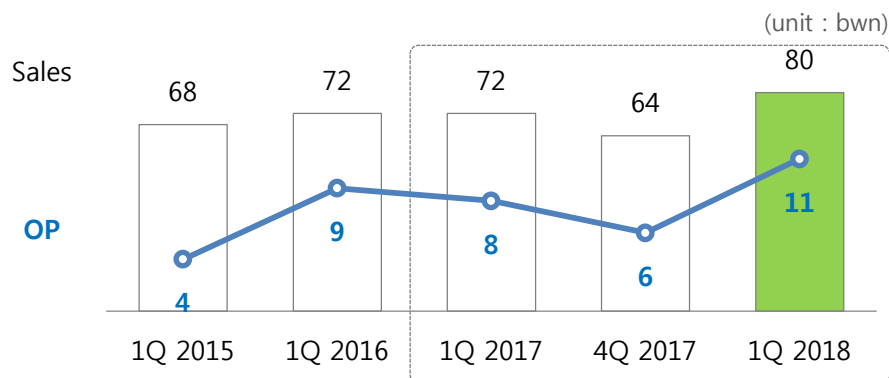
- Sales increased YoY 25.4%, OP increased YoY 189,233.1%
 - Domestic sales improved by demand in Display mkt
 - Boosted profitability due to the product mix changes and SWGR projects and High-Voltage projects
- For the 2018, Domestic performance keep improving by favorable demand in governmental mkt
Expect to win a new HVDC contract in domestic mkt

Business Results & Outlook

Automation – Overseas improved in Europe and North America mkt

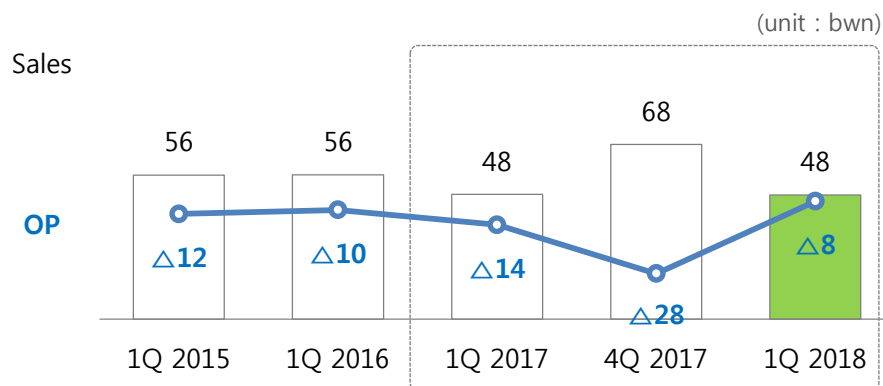
Convergence- Sales decreased in Solar mkt and OP increased by all business

Automation



- Sales increased YoY 10.5%, OP increased YoY 37.9%
 - Performance improved by upward in Overseas mkt
 - Sales increase in Domestic mkt (Semiconductor mkt)
 - Sales profit increased by PLC/IVT sales volume
- For the 2018,
 - Strengthen Overseas sales in Target Area (Vietnam , Middle East)

Convergence Business

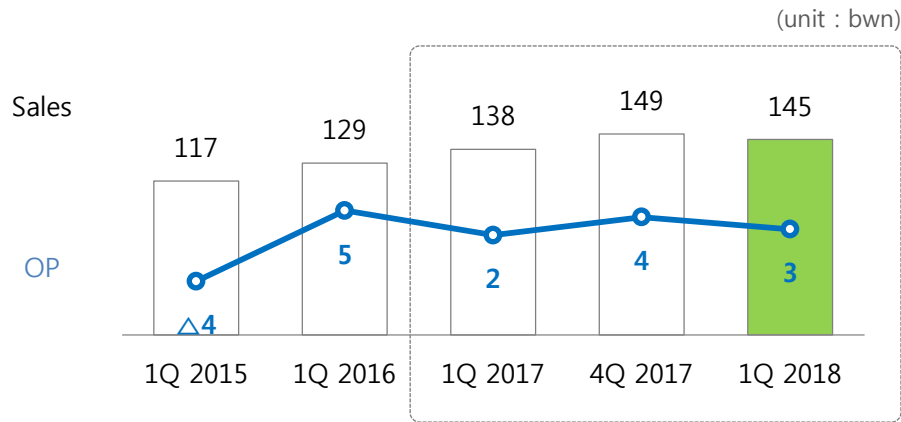


- Sales decreased YoY 0.4%, OP increased YoY 44.4%
 - Sales decreased in Solar system
 - Sales profit increased by EV components
- For the 2018,
 - Expand floating Solar EPC & Japanese Solar EPC mkt
 - Expand Smart-Grid mkt (ESS system)

Business Results & Outlook

China Subsidiaries led to the performance increase

Subsidiaries



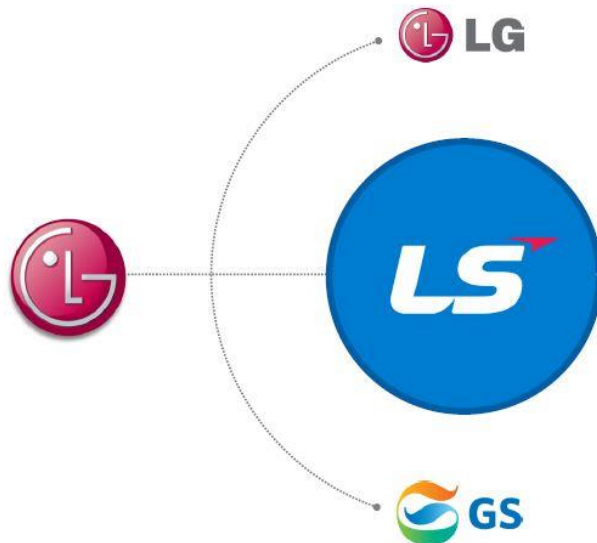
- Sales increased YoY 4.8%, OP YoY 33.3% increased
 - LS Metals improved due to favorable demand in construction mkt and copper price increase
 - Wuxi performance increased in renewable mkt and Electric Car mkt condition
- For the 2018,
 - LS Metals performance keep improving by copper price
 - Wuxi performance improving by better Electric Car mkt condition in China.

II. Company & Business Introduction

Growing into a World's Best from the Nation's First!

Leading company in the industrial electric, electronics, materials and energy field following its separation from LG in 2003

LS History



Leader in Power Solutions, Automation & Green Business

The Leading Company in the Power Distribution & Automation Industry

The first to build a Smart Grid, Green Village and Green Factory

Founded	1974
Sales	2,344billion(KRW)
Employees	3,538
Headquarters	LS Tower, Gyeonggi-do, Korea
Plants	Total 7 Plants
Overseas subsidiaries	China, Vietnam, Japan, etc.
Overseas branches	USA, Europe, Russia, Vietnam, etc.

(As of 2017)



1. A History of Challenging the Future (1970's ~ 2007)

1970's '74 Jul. Established Goldstar Instrument & Electrical Co., Ltd

1980's '87 Mar. Established Goldstar Industrial Systems Co., Ltd.



2007 Feb. Opened Marketing Subsidiary in Dubai

2005 Mar. Renamed from LG to LS Industrial Systems
Sep. Constructed the Electric & Automation equipment factory in Wuxi, China

2003 Nov. Disaffiliated from LG Group, joined LS Group

2001 Jun. Constructed Dalian factory

2000 Sep. Established high-voltage testing agency

1990's '94 Jul. Listed Goldstar Industrial Systems on the Korea Stock Exchange

'95 Feb. Renamed from Goldstar to LG Industrial Systems (LGIS)

'95 Sep. LGIS merged Goldstar I&E & Goldstar Mechanical & Electrical

'99 Apr. LGIS merged LG Metal

'99 Aug. Sold copper smelting, Vending Machine, Elevator & Escalator unit

2. Shifting the strategy to growth paradigm (2007 ~ 2012)

- 2008**
- Apr. Relocated its headquarters to Anyang LS Tower
 - Sep. Received the Korea Best Company Award (Electricity & Cable industry category)
 - Oct. LS Industrial Systems(currently LSIS) Opened R&D Center in Shanghai, China



- 2009**
- Mar. Published the Green Business Vision
 - Oct. Share in Mecapion acquired
 - Oct. European sales corporation established

- 2012**
- May. completed a EV Relay factory in Cheongju, Korea
 - Jun. Awarded the Best Korean Company Grand Award
 - Dec. Selected as one of the Top 100 Global Innovators by Thompson Reuters
 - Dec. US and Chinese patent acquired for smart meter technology

- 2011**
- Oct. Completed the Busan HVDC Plant
 - Nov. Included in the Fortune Korea's 500 Fastest Growing Companies
 - Nov. Selected as one of the Top 100 Global Innovators by Thompson Reuters



- 2010**
- Jan. LS Power Semittech J/V established
 - Feb. LS Sauter established
 - Apr. LS Metal spun off from LSIS and newly established LS Metal
 - Apr. Construction of Busan plant completed
 - May. LS Hogae Electric established in China
 - May. LS Industrial Systems(currently LSIS) got the largest number of Green Certification as the first company in Korea
 - Jul. LS Industrial Systems(currently LSIS) opened R&D Center in Beijing, China

3. Challenging for the future of Smart Energy (2013 ~)

2017 Mar. Selected as one of the Top 100 patent application corp. in Europe
Jun. Awarded the Best Korean Company Grand Award
Oct. Completed the Solar Power Station in Hokkaido Japan

2015 Jan. Declared value-based management
Mar. Newly constructed R&D campus in Anyang

2013 Apr. Awarded the Great Place to Work Award for 2 consecutive years
May. Concluded contract for the transfer of HVDC technology, and partnered with KAPES and Alstom
Oct. Selected as one of the Top 100 Global Innovators by Thompson Reuters
Nov. Awarded the 39th Korea National Quality Grand Award
Dec. Won the 500 million Trade Tower Award



2014 Jan. Launched new strategic automation product lines for A&D
May. LSIS Vice Chairman Ja-kyun Koo Received Gold Tower Order of Industrial Service Merit
May. Won the World's Largest Order for Smart Grid Project in Iraq
Jun. Awarded the Best Korean Company Grand Award for 7 consecutive years
Jul. Marked the 40th anniversary of the foundation
Nov. Selected as one of the Top 100 Global Innovators by Thompson Reuters

2016 Jan. Selected as one of the Top 100 Global Innovators by Thompson Reuters
Mar. R&D campus achieved the first BEMS certification
Jun. Awarded the Best Korean Company Grand Award
Sep. R&D campus equipped ESS for emergency electric power supply

We guarantee all our customers a safe and affluent life and a happy future by supplying them with convenient smart energy.

Mission

FUTURING SMART ENERGY

Vision 2020



Strategy

- Boosting Our Market Position as a Power Solutions Provider
- Leading New Markets through Convergence and Combination
- Expansion of Global Markets
- Securing Operational Excellence

Core Value



Collaboration

Execution

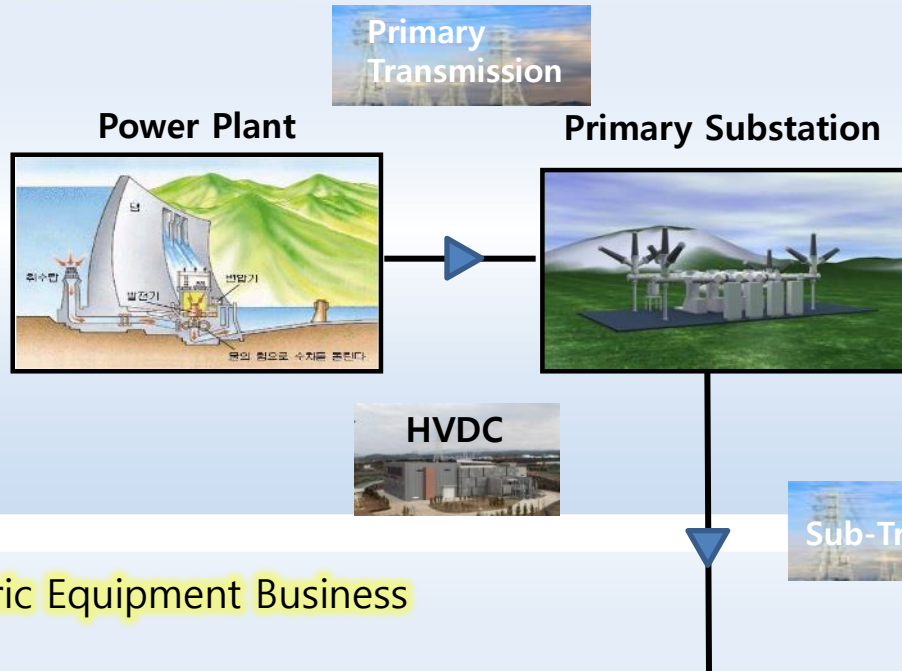
Creativity

Integrity

Business Introduction

Leading Provider of Total Electric Power, Automation & Green Business Solutions

Electric Infra Business

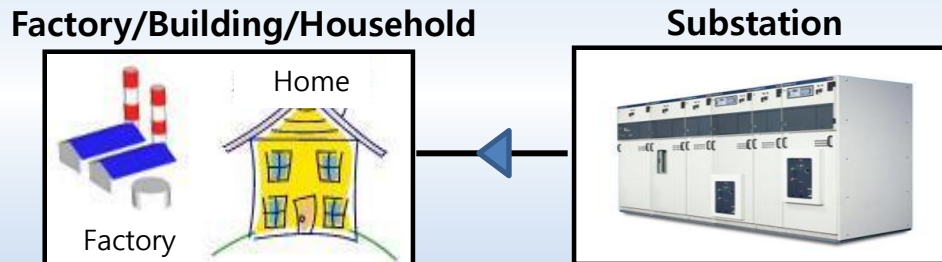


Ultra-high voltage power transmission & distribution system equipment such as gas insulated switchgear (GIS)

< Main Products >

- Gas Insulated Switchgear (GIS)
- Power Transformers
- Remote Monitoring & Diagnosis Equipment
- HVDC
- Switchgear (SWGR)

Electric Equipment Business



Top low and medium voltage electrical equipment for electricity users

<Main Products>

- Vacuum Circuit Breakers (VCB)
- Air Circuit Breakers (ACB)
- Molded Case Circuit Breakers (MCCB)
- Magnetic Contactors (MC)0

Business Introduction

Automation Business

Factory / Building (FA/PA)



Discrete Automation



Process Automation



Building Automation

From simple automation control to large-scale manufacturing facilities and process control, LSIS provides the optimal solutions to diverse industrial fields.

< Main Products >

- Variable Frequency Drive
- PLC (Programmable Logic Controller)
- HMI (Human Machine Interface)
- Servo Drive & Motor
- DCS (Distributed Control System)
- RTU (Remote Terminal Unit)

Convergence Business



Smart Grid



Green Car Solution



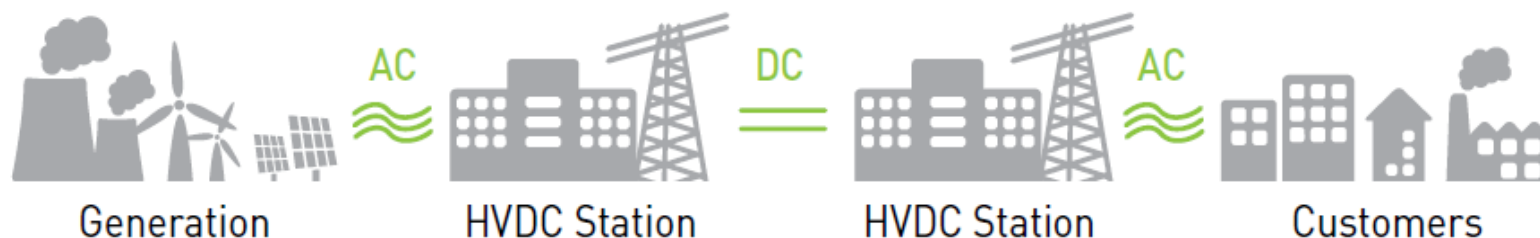
Photovoltaic System



Railway System

HVDC

HVDC system converts AC to DC to transmit long distance and then converts back again to AC to connect with the AC grid with very low loss



Long Distance Transmission with Lower Cost

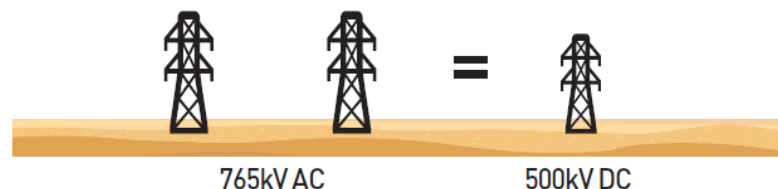
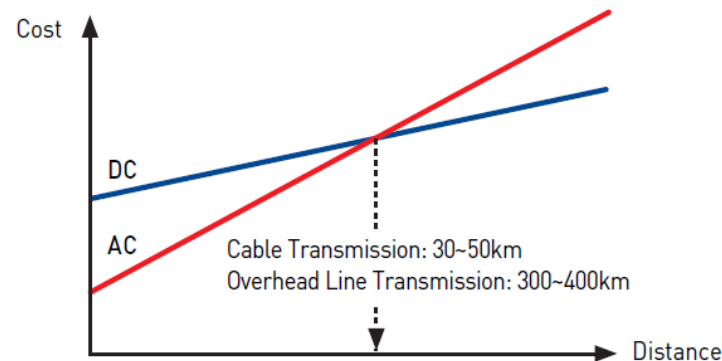
HVDC is the only option for the overhead transmission longer than 300km or submarine/underground 40km thanks to DC characteristics.

Eco-friendly Transmission

HVDC system has lower environmental impact because it requires fewer overhead lines comparing to AC system. The technology is also the key component in the future energy system based on renewable energy sources.

Optimal Grid Management

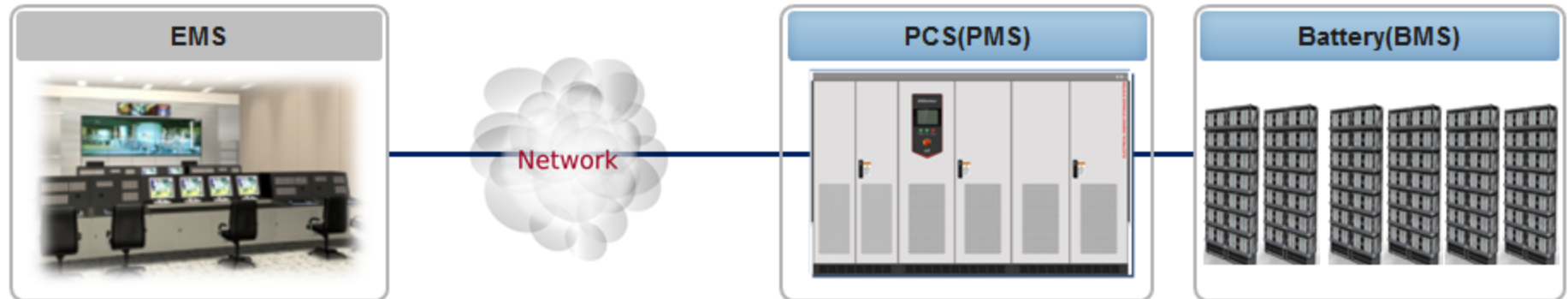
HVDC can directly interconnect load centers with huge energy sources efficiently. Therefore, negative impact on the grid is minimized. HVDC also improves the performance of AC grid by means of additional controllability.



ESS Applications

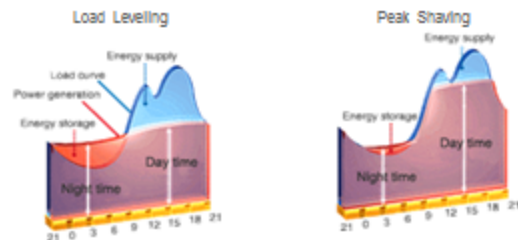
ESS(Energy Storage System) includes PCS(Power Conversion System) and battery, and make an efficient way of use electricity power

Concept of ESS



Function of ESS

➤ Peak Shaving, Load Leveling



➤ Renewable Energy Smoothing



➤ Frequency Regulation



• EMS : Energy Management System

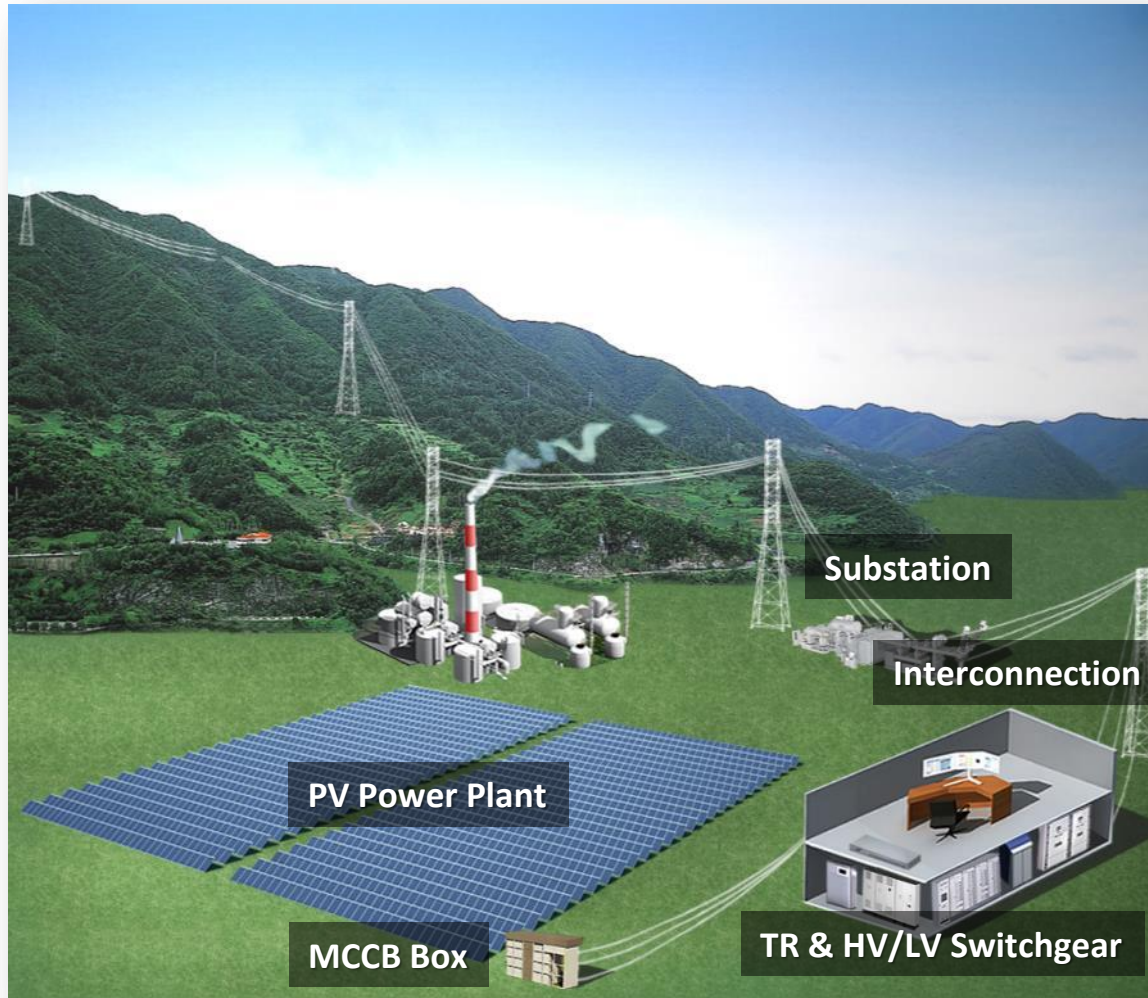
• PCS : Power Conditioning System

• PMS : Power Management System

• BMS : Battery Management System

PV Power Plant

We provide total solution for PV Power Plant. In addition to PV products, we can provide customers with all kinds of electric power equipment manufactured by LSIS.



System Components



PV Power System

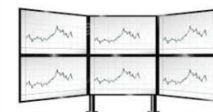
- Module
- Inverter
- Balance of System



- HV Switchgear
- MV Switchgear
- LV Switchgear



Transformer



Monitoring(SCADA)

III. Appendix

Appendix 1. Condensed Statement

Income statement

(unit : bwn, %)

Segment	1Q 2017	4Q 2017	1Q 2018	QoQ	YoY
Sales	559	605	592	5.7%	△2.2%
Cost of Sales	△455	△505	△469	3.2%	△7.1%
Gross Profit	105	100	123	16.9%	22.6%
(%)	(18.7%)	(16.5%)	(20.7%)	-	-
SG&A	△69	△77	△67	△2.6%	△12.3%
Operating Profit	36	23	55	54.5%	136.4%
(%)	(6.4%)	(3.9%)	(9.4%)	-	-
Non-OP and Loss	△14	0	△3	△81.6%	△2,525.3%
Profit before tax	22	24	53	143.2%	124.2%
Net Income	19	16	43	121.6%	173.5%
(%)	(3.5%)	(2.6%)	(7.2%)	-	-
EBITDA Margin	8.4%	8.0%	13.0%	-	-

Statement of Financial position

(unit : bwn, %)

Segment	1Q 2017	4Q 2017	1Q 2018	QoQ	YoY
Total Assets	2,238	2,256	2,355	5%	4%
Current Assets	1,392	1,416	1,526	10%	8%
Cash&Cash Equivalents	367	262	413	12%	58%
Inventories	158	167	189	20%	13%
Other Current Assets	867	988	924	7%	△6%
Non-Current Assets	846	840	829	△2%	△1%
Tangible Assets	601	577	573	△5%	△1%
Intangible Assets	126	116	119	△6%	2%
Other Non-Current Assets	120	146	138	15%	△6%
Total Liabilities	1,182	1,108	1,195	1%	8%
Current Liabilities	664	650	737	11%	13%
Short-term borrowings	179	199	204	14%	2%
Non-Current Liabilities	519	458	459	△12%	0%
Long-term borrowings	505	449	449	△11%	0%
Equity	1,056	1,148	1,160	10%	1%
Current Ratio	210%	218%	207%	△1%	△5%
Equity/Total Assets	47%	51%	49%	4%	△3%
Total Liabilities/Equity	112%	96%	103%	△8%	7%
Net debts Ratio	30%	34%	21%	△31%	△38%

Statements of Cash Flows

(unit : bwn)

Segment	'17.1Q	'18.1Q	YoY
Cash and cash equivalents at the beginning of year	340	262	△79
Cash Flows From Operating Activities	73	61	△12
Cash Flows From Investing Activities	△46	94	139
Capex	△12	△13	△1
R&D	△4	△3	1
Others	△30	109	140
Cash Flows From Financing Activities	5	△6	△12
Effect of exchange rate changes on cash and cash equivalents	△6	3	9
Cash and cash equivalents	367	413	46

Appendix 2. Results for the past 3 years

HQ

(unit : bwn)

Segment				15					16					17					18		Y-o-Y (4Q)
				1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q	4Q	Total	1Q	Total	
HQ	Electric Equipment	Sales	Domestic	105	107	108	109	429	95	101	102	101	399	115	111	109	100	435	111	111	△3%
			Overseas	58	62	67	62	249	61	62	55	57	235	59	61	56	55	230	52	52	△11%
		Total		164	168	175	172	678	157	163	157	157	634	173	172	165	155	665	163	163	△6%
		Operating Profit		31	35	41	32	139	36	36	37	33	142	40	36	37	26	139	34	34	△16%
	Electric Infra	Sales	Domestic	79	107	100	98	384	64	82	105	141	392	90	106	131	120	447	134	134	49%
			Overseas	12	16	15	33	75	36	33	20	46	134	41	40	38	55	174	30	30	△26%
		Total		91	122	115	130	459	100	114	125	187	526	130	147	169	175	621	164	164	25%
		Operating Profit		△2	△0	7	2	7	△5	0	△7	8	△4	0	2	13	14	29	14	14	189,233%
	Automation	Sales	Domestic	47	43	48	49	187	46	48	47	45	186	48	49	51	44	193	54	54	11%
			Overseas	21	22	21	25	89	26	23	19	20	88	24	24	26	20	94	26	26	10%
		Total		68	65	69	74	276	72	71	66	65	274	72	73	77	64	287	80	80	11%
		Operating Profit		4	4	8	4	19	9	6	6	6	27	8	10	12	6	36	11	11	38%
	Convergence Business	Sales	Domestic	45	83	67	76	271	38	46	30	56	171	26	36	31	52	145	32	32	27%
			Overseas	11	7	23	28	69	17	17	31	42	107	23	26	24	15	89	16	16	△31%
		Total		56	89	90	105	340	56	63	61	98	278	48	63	55	68	234	48	48	△0%
		Operating Profit		△11	△0	△3	△3	△18	△10	△15	△11	△31	△67	△14	△9	△8	△28	△60	△8	△8	44%
	Subtotal	Sales	Domestic	277	339	323	332	1,271	244	277	284	343	1,148	278	303	322	317	1,220	330	330	19%
			Overseas	102	106	126	149	482	141	134	125	164	564	146	151	145	145	587	124	124	△15%
		Total		379	445	449	481	1,753	385	411	409	507	1,712	425	454	467	461	1,807	455	455	7%
		Operating Profit		22	38	53	35	148	29	27	25	16	97	34	38	53	18	143	50	50	50%

Appendix 2. Results for the past 3 years

Subsidiaries

(unit : bwn)

Segment				15					16					17					18		Y-o-Y (4Q)
				1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q	4Q	Total	1Q	Total	
Subsidiaries	LS Metal	Sales	Domestic	24	28	26	26	104	25	28	33	40	126	34	37	41	43	156	39	39	14%
			Overseas	47	39	44	39	168	45	36	29	37	147	49	39	37	43	167	48	48	△2%
		Total		71	67	70	64	272	70	64	62	77	273	83	76	79	85	323	87	87	5%
		Operating Profit		△3	△2	△5	1	△9	1	1	△1	△0	0	0	△0	△1	1	△0	△0	△0	△142%
	Subsidiaries (Korea)	Sales		15	14	11	17	56	10	11	13	25	58	16	22	19	16	72	15	15	△9%
		Operating Profit		1	1	0	△0	2	△0	△0	1	2	2	1	3	2	1	7	2	2	35%
	Subsidiaries (China)	Sales		31	43	58	49	180	49	53	42	44	188	39	45	38	48	170	39	39	0%
		Operating Profit		0	2	6	4	13	5	5	4	2	16	1	3	0	3	6	1	1	167%
	Subsidiaries (Vietnam)	Sales		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
		Operating Profit		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Subtotal	Sales		116	124	139	130	508	129	128	117	146	519	138	143	135	149	565	145	145	5%
		Operating Profit		△2	2	1	5	6	5	5	4	4	18	2	6	1	4	13	3	3	35%

Consolidated

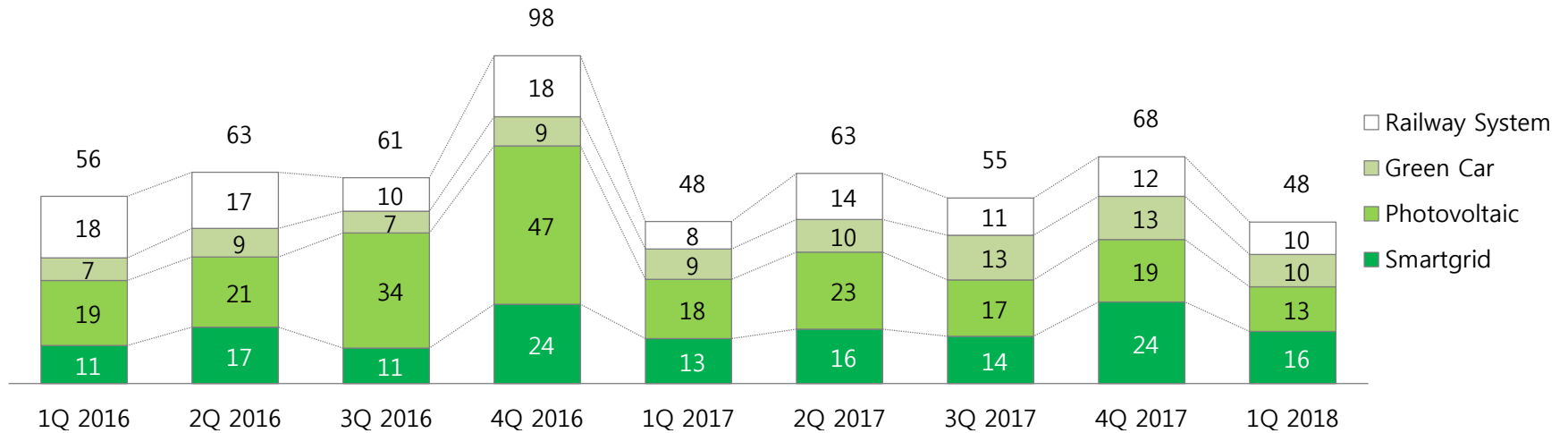
(unit : bwn)

Segment				15					16					17					18		Y-o-Y (4Q)
				1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q	4Q	Total	1Q	Total	
Consolidation adjustment for Sales				△10	△16	△15	△19	△60	△12	△14	△2	10	△18	△3	△9	△11	△5	△29	△8	△8	△139%
Consolidation adjustment for OP				△1	1	△0	1	1	0	0	1	8	9	0	△0	1	1	3	2	2	878%
Total Sales				485	552	573	592	2,202	501	525	524	663	2,214	559	588	591	605	2,344	592	592	6%
Total Operating Profit				19	41	54	41	154	35	32	30	28	124	36	44	55	23	158	55	55	54%

Appendix 3. Sales details for Convergence & Subsidiaries

Convergence

(unit : bwn)



Subsidiaries

(unit : bwn)

