# Solution**Partner**

# 3Q 2018 Business Results & Outlook

October 26, 2018



The business results currently under audit review are presented here for investors' convenience. Hence, please be advised that some of their contents may be altered in the course of audit.

The business results are subject to the K-IFRS(Korea International Financial Reporting Standards).

Forecasts and projections contained in this material are based on current business environments and management's strategies. Please note it may differ from actual results, due to uncertainties including changes in the future business environment and recalibration of strategy.



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### **3Q 2018 Business Results**

#### **Income Statements**

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Classification	3Q '17	2Q '18	3Q '18	ΥοΥ	QoQ
Sales	6,397	7,052	7,235	13.1%	2.6%
Operating Profit	790	703	602	-23.7%	-14.3%
(%)	(12.3)	(10.0)	(8.3)		
EBITDA	1,137	1,065	975	-14.2%	-8.5%
(%)	(17.8)	(15.1)	(13.5)	-17.270	-0.070
Pre-tax Income	702	644	485	-30.9%	-24.7%
(%)	(11.0)	(9.1)	(6.7)	-30.976	-24.770
Net Income	546	493	347	-36.5%	-29.8%
(%)	(8.5)	(7.0)	(4.8)	-30.3 /6	-23.076



3Q'18

(End)

30.7

11.4

21.5

11.1

6.9

(Unit: %)

Change

0.6%p

-2.0%p

-3.0

-1.4%p

-1.1%p

**Balance Sheet** 

				(Unit	: KRW bn)				
	'17 (End)	1Q'18 (End)	2Q'18 (End)	3Q'18 (End)	Change		'17 (End)	1Q'18 (End)	2Q'18 (End)
Asset	25,041	26,416	27,399	28,419	3.7%	Debt / Equity	18.6	25.7	30.1
Cash and equivalents	2,779	3,132	2,830	3,333	17.8%	Net Debt/	4.0	0.7	40.4
Liabilities	8,703	9,905	10,391	11,162	7.4%	Equity	1.6	6.7	13.4
Debt	3,045	4,236	5,114	5,300	3.6%	Interest Coverage Ratio (x)	29.3	25.4	24.5
Shareholder's Equity	16,339	16,510	17,009	17,257	1.5%	ROE	13.3	13.5	12.5
Liabilities/ Equity	53.3	60.0	61.1	64.7	3.6%p	ROA	8.9	8.6	8.0

\* ROE: Annualized net profit / Avg of beginning & ending shareholders' equity ROA: Annualized net profit / Avg of beginning & ending assets

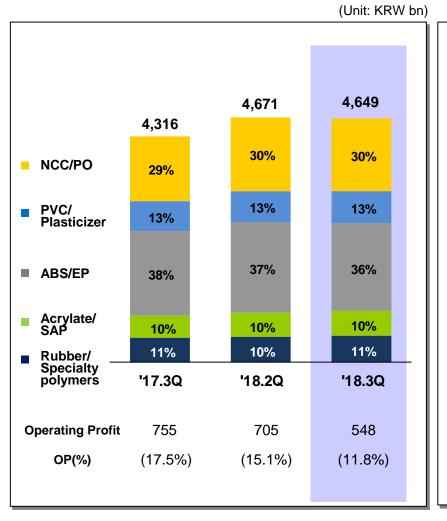
**Financial Ratios** 

(Unit: I

**LG** Chem

#### **Results & Outlook by Business**

#### Performance Breakdown



#### Analysis & Outlook

#### Analysis

- Spread decreased due to increasing of feedstock prices and weaker demand because of trade war
- Increased sales and improved profitability in Acrylate/SAP by improving customer structure

#### <u>Outlook</u>

- Although external uncertainties and unbalanced supply/demand situation in long-term upstream industry are expected, inventory level of major products is expected to be low and supply/demand situation in most downstream industry to be improved in longer term view
- Short-term profit is expected to slow down due to regular maintenance(T/A) of NCC, but profitability will be improved through differentiated competitiveness

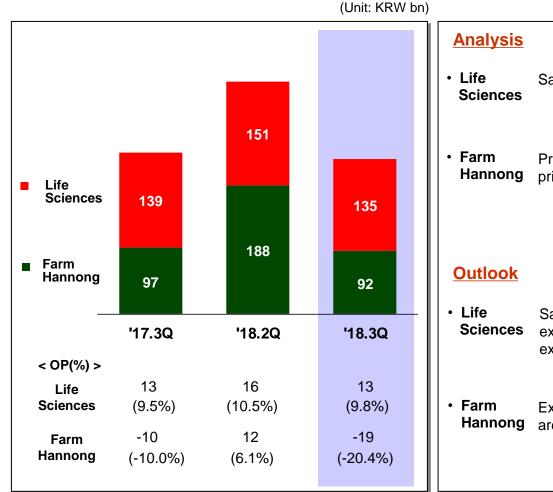
#### **Results & Outlook by Business**

#### **Analysis & Outlook Performance Breakdown** (Unit: KRW bn) **Analysis** • Energy Sales was posted historic-high and profitability was improved Solutions from an increase in EV sales and IT & New Application Battery 1,704 • I&E Turnaround was made by increasing in sales volume caused 1,494 Materials by seasonality 1,189 Energy Solutions **Outlook** I&E Materials 847 787 765 • Energy Revenue growth and profitability expect to grow continually Solutions due to huge growth of automotive and ESS battery demand '17.3Q '18.2Q '18.3Q < OP(%) > • I&E Despite concerns about slowing demand in display market 18 27 84 Energy **Materials** (1.5%) (1.8%) (4.9%) and declined price, revenue expects to increase due to Solutions strength of cost competitiveness and growth of premium product sales 41 -22 12 **I&E Materials** (1.4%)(5.2%)(-2.9%)

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#### **Results & Outlook by Business**

#### Performance Breakdown



#### Analysis & Outlook

- Life Sales was slightly decreased due to seasonality Sciences
- FarmProfitability was declined YoY caused by rising of feedstockHannongprices

- Life Sales of key products such as Zemiglo and YVOIRE is expected to grow while new drug R&D and marketing expense are expected to increase as well
- FarmExport of main products and sales of new product (Terrad'or)Hannongare expected to expand

# Appendix

### **Divisional Sales & Operating Profit**

LG CHEM			2016					2017				2018	
	1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q	4Q	Total	1Q	2Q	3Q
Sales	4,874	5,219	5,054	5,512	20,659	6,487	6,382	6,397	6,432	25,698	6,554	7,052	7,235
Operating Profits	458	612	460	462	1,992	797	727	790	615	2,928	651	703	602
(%)	9.4%	11.7%	9.1%	8.4%	9.6%	12.3%	11.4%	12.3%	9.6%	11.4%	9.9%	10.0%	8.3%
EBITDA	780	946	796	805	3,327	1,151	1,074	1,137	972	4,335	1,006	1,065	975
(%)	16.0%	<b>18.1%</b>	15.8%	14.6%	<b>16.0%</b>	17.8%	16.8%	17.8%	15.1%	16.9%	15.3%	15.1%	13.5%
Basic Materials & Chemicals	3,512	3,653	3,525	3,758	14,447	4,495	4,319	4,316	4,297	17,427	4,359	4,671	4,649
NCC / PO	1,156	1,221	1,131	1,161	4,669	1,362	1,291	1,246	1,323	5,222	1,326	1,401	1,386
PVC / Plasticizer	489	508	495	542	2,035	587	572	560	568	2,288	605	596	611
ABS	877	920	866	947	3,611	1,216	1,185	1,261	1,214	4,876	1,233	1,356	1,304
EP	298	299	304	308	1,210	332	307	357	347	1,343	347	372	374
Acrylate / SAP	345	331	357	391	1,424	435	427	424	420	1,706	427	468	477
Rubber / Specialty Polymer	347	374	370	408	1,499	563	537	467	424	1,991	420	478	497
Operating Profit	466	649	517	506	2,139	734	686	755	634	2,808	637	704	548
(%)	13.3%	17.8%	14.7%	13.5%	14.8%	16.3%	15.9%	17.5%	14.7%	16.1%	14.6%	15.1%	11.8%
Energy Solutions	814	809	879	1,059	3,562	999	1,120	1,189	1,253	4,561	1,244	1,494	1,704
Operating Profit	0	-31	-14	-4	-49	-10	7	18	14	29	2	27	84
(%)	0.0%	-3.9%	-1.6%	-0.3%	-1.4%	-1.0%	0.7%	1.5%	1.1%	0.6%	0.2%	1.8%	4.9%
I&E Materials	627	650	641	739	2,656	725	747	786	801	3,059	759	765	847
Operating Profit	-8	-15	-16	-16	-55	29	23	41	18	111	-10	-22	12
(%)	-1.3%	-2.2%	-2.5%	-2.2%	-2.1%	4.0%	3.1%	5.2%	2.2%	3.6%	-1.3%	-2.9%	1.4%
Life Sciences	120	131	135	147	532	129	135	139	148	552	131	151	135
Operating Profit	17	11	10	9	47	21	19	13	1	54	7	16	13
(%)	14.3%	8.1%	7.5%	6.4%	8.9%	15.9%	14.0%	9.5%	0.6%	9.7%	5.3%	10.5%	9.8%
Farm Hannong	242	189	87	50	568	254	186	97	67	604	237	188	92
Operating Profit	39	-2	-20	-31	-15	50	14	-10	-19	36	45	12	-19
(%)	15.9%	-1.2%	-23.3%	-61.1%	-2.6%	19.8%	7.3%	-10.1%	-27.9%	5.9%	19.2%	6.1%	-20.4%



(Unit : KRW bn)											
Classification	'17	1Q'18	2Q'18	3Q'18							
	(End)	(End)	(End)	(End)							
Total	3,045	4,236	5,114	5,300							
KRW	1,327	2,375	2,340	2,346							
denominated	44%	56%	46%	44%							
Other currency denominated	1,718	1,861	2,774	2,954							
	56%	44%	54%	56%							
Short-term	1,451	1,593	1,903	2,037							
	48%	38%	37%	38%							
Long-term	1,594	2,643	3,211	3,262							
	52%	62%	63%	62%							
Cash	2,779	3,132	2,830	3,333							
Net Debt	266	1,105	2,284	1,967							

#### Cashflow

Classification 2017 1Q'18 2Q'18 3Q'18	ssification
Beginning Cash 2,207 2,779 3,132 2,830	inning Cash
Operations/Investment Activities1,337-831-662289	
Operating profit 2,929 651 703 602	erating profit
Depreciation 1,406 355 362 373	preciation
Working Capital -845 -707 -446 128	rking Capital
Investing Activities -1,844 -867 -744 -908	esting Activities
Others -309 -262 -537 97	iers
Financial Activities -737 1,170 369 238	I Activities
Debt (Financed & reimbursed) -351 1,170 829 270	
Dividends paid -386 - -460 -32	idends paid
Ending Cash 2,779 3,132 2,830 3,333	ding Cash

## Appendix

#### CAPEX & R&D expenses

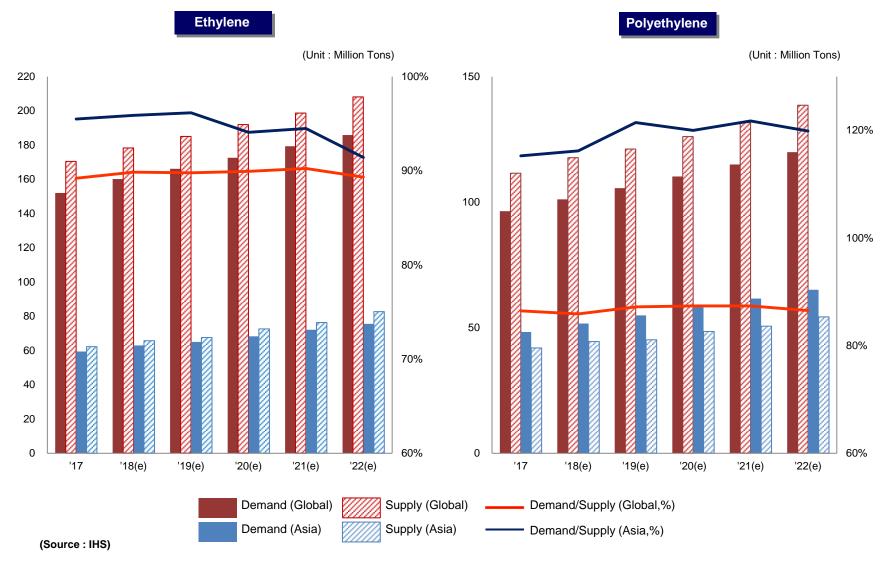
(Uni									
Class	ification	<b>'16</b>	<b>'17</b>	1Q '18	2Q '18	3Q '18			
Basic	New / Expansion	103	324	116	229	182			
Materials &	Maintenance	289	345	49	104	114			
Chemicals	Total	392	669	164	333	296			
Energy	New / Expansion	365	691	150	275	502			
Solutions	Maintenance	197	259	30	72	68			
	Total	563	950	180	347	569			
I & E	New / Expansion	291	120	46	30	51			
Materials	Maintenance	95	101	28	37	32			
	Total	386	221	75	67	83			
Life	New / Expansion	124	81	24	18	9			
Sciences	Maintenance	38	25	2	6	8			
	Total	162	106	26	24	17			
Common	New / Expansion	555	395	21	43	28			
(including	Maintenance	82	200	36	45	39			
Farm Hannong)	Total	637	595	56	88	67			
	New / Expansion	1,314	1,612	357	595	771			
Total	Maintenance	663	928	145	263	259			
	Total	1,977	2,540	501	859	1,030			

**R&D** expenses

Classification	2016	2017	1Q '18	2Q '18	3Q '18
Basic Materials & Chemicals	150	164	40	43	47
(% of sales)	(1.0%)	(0.9%)	(0.9%)	(0.9%)	(1.0%)
Energy Solutions	276	299	70	78	85
(% of sales)	(7.7%)	(6.6%)	(5.6%)	(5.2%)	(5.0%)
I & E Materials	161	181	48	52	50
(% of sales)	(6.1%)	(5.9%)	(6.3%)	(6.7%)	(5.9%)
Life Sciences	91	96	28	32	30
	(17.6%)	(17.5%)	(21.4%)	(21.1%)	(22.3%)
<b>Common</b> (including Farm Hannong)	104	152	45	59	58
Total	686	893	231	264	270
(% of sales)	(3.3%)	(3.5%)	(3.5%)	(3.7%)	(3.5%)

Appendix

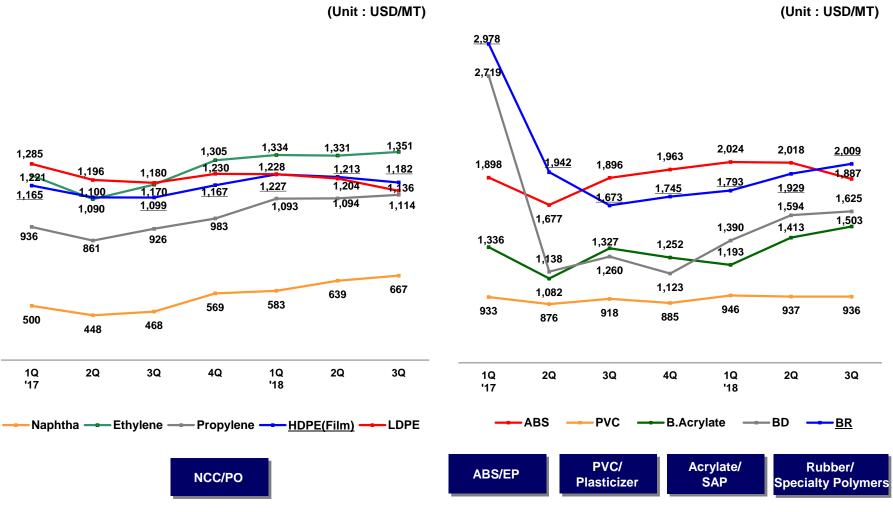
#### **Ethylene/PE Demand & Supply**



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#### **Quarterly Price Trends**

Appendix

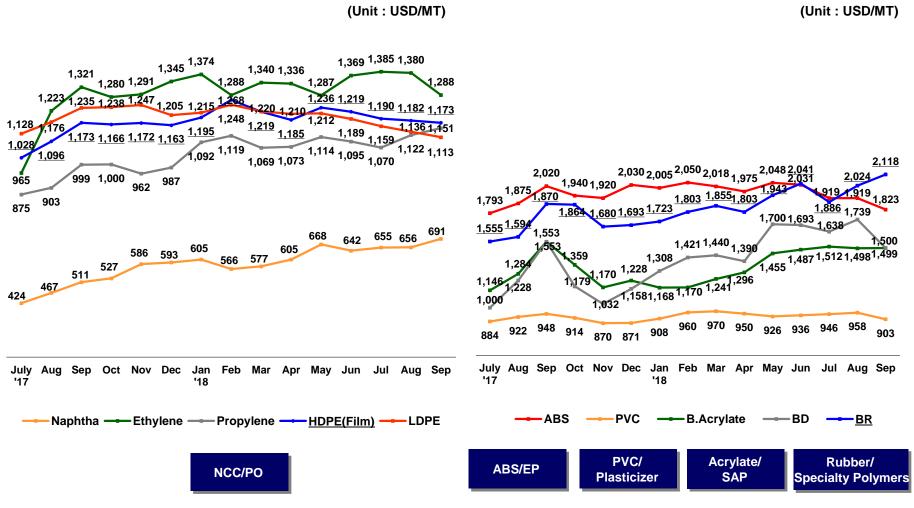


Prices are the average of CFR FE Asia for general grade in each product group



#### **Monthly Price Trends**

Appendix



Prices are the average of CFR FE Asia for general grade in each product group

