

Rating Hold

Company

Asia China

Energy

Chemicals

000792.SZ

000792 CH

Exchange

FY15 results in-line; maintaining Hold

FY15 net income down 57% YoY

In its FY15 results QSLI posted net income of RMB559mn or EPS of RMB0.35/share, down 57% YoY but in-line with our estimates and the company's guidance. QSLI declared a DPS of RMB0.031, implying a payout ratio of 10.3%, on par with 10.5% in 2014. The sharp decline in net income was driven by 1) a loss in the chemical segment, 2) impairment losses, and 3) an increase in financial and SG&A expenses. If we exclude asset impairment of RMB1,150mn (+72.5% YoY) on inventory loss of RMB989mn (vs. RMB637mn in 2014) and fixed asset impairment of RMB140mn, QSLI's operating income would have only dropped by 6% to RMB2.35bn.

Mixed bag in potash segment: GPM up but sales volume down

QSLI's potash segment GPM improved by +5.4%points YoY to 73.7% in 2015 on the back of 1) higher production volume, with continuous production during the winter season, and 2) stringent cost control. Potash revenue increased by 2% YoY to RMB7.88bn with ASP of RMB1,777/ton (+4% YoY). Stringent cost control reduced potash unit production cost by 13.3% YoY to RMB468/ton. QSLI produced 5.21mnton of potash, up 12% YoY, but recorded sales of 4.43mnton, down 3% YoY. Potash inventory as of 2015 increased by 66.52% to 1.45mnton.

Chemicals loss widened, but gross loss margin narrowed

The chemicals segment loss is a key drag on earnings. QSLI recorded a loss of RMB1.54bn for chemical integration project phase 1&2, whereas last year it reported a loss of RMB0.71bn for chemical integration project phase 1 (+116% YoY). On the bright side, chemical GPM narrowed by 0.93%points to -22.02%, thanks to a natural gas cost cut in Nov 2015. The company limited the loss in chemical projects by suspending ADC production of Salt Lake Haihong in July 2015. Conversely, its lithium carbonate production surged by 117.3% YoY and reached 3,705 tons in 2015, while production unit cost declined by 29% YoY to RMB28,966/ton.

Valuation and risks; maintaining Hold rating with PT of RMB20.0

We maintain our Hold rating with our DCF-derived PT of RMB20.0/share, implying 1.4x FY16E P/B. The stock trades at 1.30x FY16E P/B, slightly higher than -1SD below the historical average. Key risks: sluggish chemical prices and demand could lead to further inventory write-downs and asset impairments in FY16E.

Date 21 April 2016

Results

Price at 20 Apr 2016 (CNY)	18.45
Price target - 12mth (CNY)	20.00
52-week range (CNY)	33.95 - 16.27
Shenzhen Index	2,048

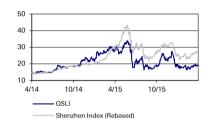
Vitus Leung

Research Analyst (+852) 2203 6158 vitus.leung@db.com

Johnson Wan

Research Analyst (+852) 2203 6163 johnson.wan@db.com

Price/price relative



Performance (%)	1m	3m	12m
Absolute	0.9	-6.7	-33.5
Shenzhen Index	6.6	4.4	-6.4
Source: Deutsche Bank			

Stock data 29,345 Market cap (CNYm) Market cap (USDm) 4,534 1,590.5 Shares outstanding (m) Major shareholders Free float (%) 23 Avg daily value traded 58 6 (USDm) Source: Deutsche Bank

Deutsche Bank AG/Hong Kong



Model	updated:03	February	2016
-------	------------	----------	------

Running the numbers	8
Asia	
China	
Chemicals	

QSLI

Reuters: 000792.SZ Bloomberg: 000792 CH

Hold

Price (20 Apr 16)	CNY 18.45
Target Price	CNY 20.00
52 Week range	CNY 16.27 - 33.95
Market Cap (m)	CNYm 29,345
	USDm 4 534

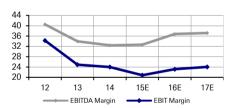
Company Profile

QSLI is the largest potash fertilizer (MOP) manufacturer in China with 3.5mntpa of capacity and its new 1.5mntpa capacity is expected to come on-stream for a production trial in 2H16, which would boost capacity by 43%.

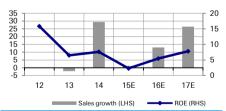
Price Performance



Margin Trends



Growth & Profitability



Solvency



Vitus Leung +852 2203 6158

vitus.leung@db.com

Source: Company data, Deutsche Bank estimates

Fiscal year end 31-Dec	2012	2013	2014	2015E	2016E	2017E
Financial Summary						
DB EPS (CNY) Reported EPS (CNY) DPS (CNY) BVPS (CNY)	1.59	0.66	0.82	0.29	0.70	1.05
	1.59	0.66	0.82	0.29	0.70	1.05
	0.32	0.07	0.09	0.03	0.07	0.11
	10.0	10.3	11.1	12.4	13.0	13.9
Weighted average shares (m)	1,591	1,591	1,591	1,607	1,857	1,857
Average market cap (CNYm)	48,982	33,240	26,932	29,345	29,345	29,345
Enterprise value (CNYm)	65,456	60,968	62,879	68,470	70,808	68,077
Valuation Metrics P/E (DB) (x) P/E (Reported) (x) P/BV (x)	19.4 19.4 2.61	31.6 31.6 1.61	20.7 20.7 1.95	63.6 63.6 1.49	26.5 26.5 1.42	17.5 17.5 1.32
FCF Yield (%)	nm	nm	nm	nm	nm	11.7
Dividend Yield (%)	1.0	0.3	0.5	0.1	0.4	0.6
EV/Sales (x) EV/EBITDA (x) EV/EBIT (x)	7.9	7.5	6.0	6.5	5.9	4.5
	19.5	22.2	18.5	19.8	16.1	12.1
	23.1	30.2	25.0	31.0	25.5	18.7
Income Statement (CNYm)						
Sales revenue Gross profit EBITDA Depreciation Amortisation	8,271	8,095	10,474	10,596	11,975	15,132
	4,615	4,164	5,397	5,139	6,022	7,667
	3,351	2,751	3,397	3,460	4,405	5,631
	479	695	844	1,211	1,594	1,954
	37	38	38	38	38	38
EBIT Net interest income(expense)	2,835	2,017	2,516	2,211	2,773	3,639
	-350	-619	-725	-1,140	-1.065	-1,037
Associates/affiliates Exceptionals/extraordinaries	0 -153	0 -595	0 -667	-896	0	0
Other pre-tax income/(expense) Profit before tax	887	628	597	442	-2	-20
	3,220	1,431	1,720	616	1,706	2,582
Income tax expense Minorities	468	365	389	139	386	583
	228	14	29	10	29	44
Other post-tax income/(expense) Net profit	0	0	0	0	0	0
	2,524	1,052	1,302	466	1,291	1,954
DB adjustments (including dilution) DB Net profit	0	0	0	0	0	0
	2,524	1,052	1,302	466	1,291	1,954
Cash Flow (CNYm)						
Cash flow from operations	1,487	134	1,356	3,107	3,892	5,017
Net Capex	-9,339	-9,548	-7,498	-10,000	-5,000	-1,000
Free cash flow	-7,852	-9,414	-6,142	-6,893	-1,108	4,017
Equity raised/(bought back) Dividends paid	344	0	15	4,900	0	0
	-947	-1,948	-2,166	-1,189	-1,201	-1,242
Net inc/(dec) in borrowings	8,594	11,570	9,199	3,629	1,000	200
Other investing/financing cash flows Net cash flow	80	-42	-290	14	0	0
	219	165	615	461	-1,309	2.975
Change in working capital	-2,290	-2,876	-2,276	255	-126	-10
Balance Sheet (CNYm)						
Cash and other liquid assets	2,166	2,331	3,282	3,743	2,434	5,409
Tangible fixed assets Goodwill/intangible assets	28,425	40,946	53,118	61,907	65,313	64,358
	824	786	759	721	683	644
Associates/investments	534	536	565	565	565	565
Other assets Total assets	10,492	11,009	10,176	10,092	10,772	12,328
	42,440	55,608	67,899	77,027	79,765	83,305
Interest bearing debt	17,416	29,000	38,199	41,828	42,828	43,028
Other liabilities Total liabilities	7,335	8,602	10,421	10,592	11,146	12,692
	24,751	37,603	48,619	52,419	53,973	55,720
Shareholders' equity	15,930	16,410	17,685	23,003	24,158	25,907
Minorities Total shareholders' equity	1,758	1,595	1,594	1,605	1,634	1,677
Net debt	17,689	18,005	19,280	24,607	25,792	27,585
	<i>15,250</i>	<i>26,669</i>	<i>34,916</i>	<i>38,085</i>	<i>40,394</i>	<i>37,619</i>
Key Company Metrics						
Sales growth (%) DB EPS growth (%)	nm	-2.1	29.4	1.2	13.0	26.4
	na	-58.3	23.8	-64.6	139.6	51.3
EBITDA Margin (%)	40.5	34.0	32.4	32.6	36.8	37.2
EBIT Margin (%)	34.3	24.9	24.0	20.9	23.2	24.0
Payout ratio (%)	20.2	10.1	10.5	9.1	10.5	10.5
ROE (%)	15.8	6.5	7.6	2.3	5.5	7.8
Capex/sales (%)	113.0	118.3	71.6	94.4	41.8	6.6
Capex/depreciation (x) Net debt/equity (%)	18.1	13.1	8.5	8.0	3.1	0.5
	86.2	148.1	181.1	154.8	156.6	136.4
Net interest cover (x)	8.1	3.3	3.5	1.9	2.6	3.5



Key financial data

Figure 1: Income statement

RMB million	1H12	2H12	1H13	2H13	1H14	2H14	1H15	2H15	2H15 YoY	2H15 HoH
Revenue	3,917	4,354	4,129	3,966	4,204	6,271	4,317	6,565	5%	52%
cogs	(1,511)	(2,145)	(1,872)	(2,059)	(2,049)	(3,028)	(2,225)	(2,967)	-2%	33%
Gross Profit	2,406	2,209	2,257	1,907	2,155	3,242	2,092	3,598	11%	72%
SG&A	(516)	(804)	(705)	(920)	(830)	(1,322)	(908)	(1,640)	24%	81%
Operating profit	1,890	1,405	1,552	987	1,324	1,920	1,183	1,958	2%	65%
Other Income/(loss)	(16)	291	(235)	(254)	(465)	(334)	(287)	(1,080)	223%	276%
ЕВІТ	1,874	1,695	1,318	732	859	1,586	896	878	-45%	-2%
Interest expense	(141)	(209)	(262)	(358)	(310)	(415)	(449)	(563)	36%	25%
Pretax income	1,733	1,487	1,056	375	549	1,171	447	316	-73%	-29%
Tax expense	(273)	(195)	(163)	(202)	(112)	(277)	(106)	(112)	-59%	6%
Net profit	1,460	1,292	893	173	437	894	341	222	-75%	-35%
NP attributable to shareholders	1,311	1,213	822	230	429	873	361	198	-77%	-45%
EPS	0.82	0.76	0.52	0.14	0.27	0.55	0.23	0.12	-77%	-45%
GPM%	61%	51%	55%	48%	51%	52%	48%	55%	3% ppts	6% ppts
OPM%	48%	32%	38%	25%	32%	31%	27%	30%	-1% ppts	2% ppts
NIM%	37%	30%	22%	4%	10%	14%	8%	3%	-11% ppts	-5% ppts
SG&A as % of Revenue	13%	18%	17%	23%	20%	21%	21%	25%	4% ppts	4% ppts
Effective tax rate	16%	13%	15%	54%	20%	24%	24%	36%	12% ppts	12% ppts

Source: Deutsche Bank, company data



Operating data

Figure 2: Operating segments

Main businesses (RMB mn)	Revenue	Cost of Goods Sold	Gross Profit	Gross Margin
Potash Fertilizer	6,462	1,546	4,915	76%
Mathanol	39	92	-53	-135%
PVC	414	561	-147	-36%
Potassium hydroxide,	412	389	24	6%
potassium carbonate	412	309	24	0%
Urea	458	699	-241	-53%
Other chemical products	39	111	-72	-186%
Steam	36			0%
Woven bag	57	45	12	21%
Subtotal	7,916	3,443	4,473	57%
Other businesses	Revenue	Cost of Goods Sold	Gross Profit	Gross Margin
Brine	164	80	84	51%
Transportation	11	12	-1	-9%
Rent	5	0	4	97%
Mining royalties	256		256	100%
Utility and tenement	44	41	3	7%
Materials	217	205	12	5%
Commissions	26	19	7	29%
•••••				
Interest	35		35	100%
	35 4		35 4	100% 100%
Interest		357		
Interest Other income	4	357 3,799	4	100%

Figure 3: Potassium chloride

Potassium Chloride	FY13	FY14	FY15	FY15 YoY %
Revenue (RMB mn)	6,245	7,760	7,879	2%
ASP(RMB/t)	1,904	1,706	1,777	4%
Production (th tonne)	3,266	4,642	5,213	12%
Sales (th tonne)	3,280	4,566	4,434	-3%
GPM%	69%	68%	74%	5% ppts

Source: Deutsche Bank, company data



Valuation charts





Source: Deutsche Bank, company data

Source: Deutsche Bank, company data

Comp sheet

Figure 6: Comp sheet

	Reuters	DB	19-A	pr-16	Market Cap	P/E	(x)	P/E	(x)	ROE	E (%)	Divid	dend	EV/EBI	TDA (x)	ROI	C (%)
Name	Ticker	Rating	Share	price	(USD mn)	FY16E	FY17E	FY16E	FY17E	FY16E	FY17E	FY16E	FY17E	FY16e	FY17e	FY16E	FY17E
China BlueChem	3983.HK	Buy	HKD	1.90	1,129	8.5	7.1	0.5	0.5	6.1	7.1	6.3	6.3	2.8	2.5	7.6	8.3
Sinofert	0297.HK	Hold	HKD	1.13	1,381	14.0	8.9	0.5	0.5	3.4	5.2	1.8	2.9	-0.9	-0.8	2.7	3.5
QSLI	000792.SZ	Hold	CNY	18.88	4,534	26.5	17.5	1.4	1.3	5.5	7.8	0.4	0.6	16.1	12.1	3.3	4.3
Global (ex-HK/China)																	
Mosaic	MOS.N	NR	USD	28.22	9,139	NA	NA	NA	NA								
Industries Qatar	IQCD.QA	Buy	QAR	105.30	22,214	18.6	14.9	1.9	1.8	10.2	12.5	4.7	4.7	54.8	52.8	2.9	2.9
Yara	YAR.OL	Hold	NOK :	321.60	13,339	10.6	10.0	1.1	1.1	11.0	10.9	4.7	4.8	6.2	5.9	10.3	10.1
Ma'aden	1211.SE	Hold	SAR	31.20	11,699	37.1	20.5	1.3	1.2	3.5	6.1	0.0	0.0	22.3	17.0	2.0	3.1
SAFCO	2020.SE	Hold	SAR	64.25	12,873	22.9	17.2	3.8	3.8	15.9	22.2	6.2	6.2	15.6	12.7	18.2	26.0
PTT GC	PTTGC.BK	Buy	THB	61.00	7,704	10.8	10.6	1.1	1.1	10.7	10.3	4.6	4.7	6.7	6.1	9.8	10.1
ICL	ICL.TA	Hold	ILS	17.60	8,131	9.8	8.8	1.8	1.7	19.3	20.3	7.1	8.0	8.1	7.5	10.6	11.8
PHOSAGRO	PHORq.L	Hold	USD	14.80	5,728	9.5	9.4	4.2	3.4	50.0	40.5	5.0	5.0	6.9	6.4	23.7	22.1
K + S	SDFGn.DE	Hold	EUR	20.75	6,267	12.4	9.7	0.9	0.9	7.3	9.1	5.5	6.3	8.5	7.1	6.1	7.3
UPL	UPLL.BO	Buy	INR :	504.40	2,356	17.4	13.6	3.2	2.7	19.6	21.2	1.1	1.3	9.1	7.8	18.1	18.0
Chambal	CHMB.BO	Buy	INR	60.40	392	6.5	6.1	1.0	0.9	16.1	15.4	3.3	3.6	6.3	5.4	7.0	8.2
Weighted average						17.6	12.4	1.90	1.72	16.8	15.1	3.5	3.5	17.0	15.4	10.5	11.0

Source: Deutsche Bank, Bloomberg Finance LP

21 April 2016 Chemicals QSLI





Appendix 1

Important Disclosures

Additional information available upon request

Disclosure checklist			
Company	Ticker	Recent price*	Disclosure
OSLI	000792.SZ	18.45 (CNY) 20 Apr 16	NA

^{*}Prices are current as of the end of the previous trading session unless otherwise indicated and are sourced from local exchanges via Reuters, Bloomberg and other vendors. Other information is sourced from Deutsche Bank, subject companies, and other sources. For disclosures pertaining to recommendations or estimates made on securities other than the primary subject of this research, please see the most recently published company report or visit our global disclosure look-up page on our website at http://gm.db.com/ger/disclosure/DisclosureDirectory.eqsr.

For disclosures pertaining to recommendations or estimates made on securities other than the primary subject of this research, please see the most recently published company report or visit our global disclosure look-up page on our website at http://gm.db.com/ger/disclosure/Disclosure.egsr?ricCode=000792.SZ

Analyst Certification

The views expressed in this report accurately reflect the personal views of the undersigned lead analyst(s) about the subject issuer and the securities of the issuer. In addition, the undersigned lead analyst(s) has not and will not receive any compensation for providing a specific recommendation or view in this report. Vitus Leung

Historical recommendations and target price: QSLI (000792.SZ) (as of 4/20/2016)





Equity rating key

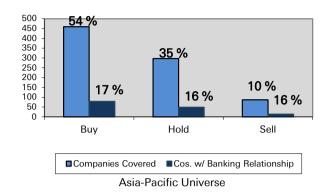
Buy: Based on a current 12- month view of total share-holder return (TSR = percentage change in share price from current price to projected target price plus pro-jected dividend yield), we recommend that investors buy the stock.

Sell: Based on a current 12-month view of total shareholder return, we recommend that investors sell the stock

Hold: We take a neutral view on the stock 12-months out and, based on this time horizon, do not recommend either a Buy or Sell.

Newly issued research recommendations and target prices supersede previously published research.

Equity rating dispersion and banking relationships



Regulatory Disclosures

1.Important Additional Conflict Disclosures

Aside from within this report, important conflict disclosures can also be found at https://gm.db.com/equities under the "Disclosures Lookup" and "Legal" tabs. Investors are strongly encouraged to review this information before investing.

2.Short-Term Trade Ideas

Deutsche Bank equity research analysts sometimes have shorter-term trade ideas (known as SOLAR ideas) that are consistent or inconsistent with Deutsche Bank's existing longer term ratings. These trade ideas can be found at the SOLAR link at http://gm.db.com.



Additional Information

The information and opinions in this report were prepared by Deutsche Bank AG or one of its affiliates (collectively "Deutsche Bank"). Though the information herein is believed to be reliable and has been obtained from public sources believed to be reliable, Deutsche Bank makes no representation as to its accuracy or completeness.

If you use the services of Deutsche Bank in connection with a purchase or sale of a security that is discussed in this report, or is included or discussed in another communication (oral or written) from a Deutsche Bank analyst, Deutsche Bank may act as principal for its own account or as agent for another person.

Deutsche Bank may consider this report in deciding to trade as principal. It may also engage in transactions, for its own account or with customers, in a manner inconsistent with the views taken in this research report. Others within Deutsche Bank, including strategists, sales staff and other analysts, may take views that are inconsistent with those taken in this research report. Deutsche Bank issues a variety of research products, including fundamental analysis, equity-linked analysis, quantitative analysis and trade ideas. Recommendations contained in one type of communication may differ from recommendations contained in others, whether as a result of differing time horizons, methodologies or otherwise. Deutsche Bank and/or its affiliates may also be holding debt securities of the issuers it writes on.

Analysts are paid in part based on the profitability of Deutsche Bank AG and its affiliates, which includes investment banking revenues.

Opinions, estimates and projections constitute the current judgment of the author as of the date of this report. They do not necessarily reflect the opinions of Deutsche Bank and are subject to change without notice. Deutsche Bank has no obligation to update, modify or amend this report or to otherwise notify a recipient thereof if any opinion, forecast or estimate contained herein changes or subsequently becomes inaccurate. This report is provided for informational purposes only. It is not an offer or a solicitation of an offer to buy or sell any financial instruments or to participate in any particular trading strategy. Target prices are inherently imprecise and a product of the analyst's judgment. The financial instruments discussed in this report may not be suitable for all investors and investors must make their own informed investment decisions. Prices and availability of financial instruments are subject to change without notice and investment transactions can lead to losses as a result of price fluctuations and other factors. If a financial instrument is denominated in a currency other than an investor's currency, a change in exchange rates may adversely affect the investment. Past performance is not necessarily indicative of future results. Unless otherwise indicated, prices are current as of the end of the previous trading session, and are sourced from local exchanges via Reuters, Bloomberg and other vendors. Data is sourced from Deutsche Bank, subject companies, and in some cases, other parties.

Macroeconomic fluctuations often account for most of the risks associated with exposures to instruments that promise to pay fixed or variable interest rates. For an investor who is long fixed rate instruments (thus receiving these cash flows), increases in interest rates naturally lift the discount factors applied to the expected cash flows and thus cause a loss. The longer the maturity of a certain cash flow and the higher the move in the discount factor, the higher will be the loss. Upside surprises in inflation, fiscal funding needs, and FX depreciation rates are among the most common adverse macroeconomic shocks to receivers. But counterparty exposure, issuer creditworthiness, client segmentation, regulation (including changes in assets holding limits for different types of investors), changes in tax policies, currency convertibility (which may constrain currency conversion, repatriation of profits and/or the liquidation of positions), and settlement issues related to local clearing houses are also important risk factors to be considered. The sensitivity of fixed income instruments to macroeconomic shocks may be mitigated by indexing the contracted cash flows to inflation, to FX depreciation, or to specified interest rates - these are common in emerging markets. It is important to note that the index fixings may -- by construction -- lag or mis-measure the actual move in the underlying variables they are intended to track. The choice of the proper fixing (or metric) is particularly important in swaps markets, where floating coupon rates (i.e., coupons indexed to a typically short-dated interest rate reference index) are exchanged for fixed coupons. It is also important to acknowledge that funding in a currency that differs from the currency in which coupons are denominated carries FX risk. Naturally, options on swaps (swaptions) also bear the risks typical to options in addition to the risks related to rates movements.



Derivative transactions involve numerous risks including, among others, market, counterparty default and illiquidity risk. The appropriateness or otherwise of these products for use by investors is dependent on the investors' own circumstances including their tax position, their regulatory environment and the nature of their other assets and liabilities, and as such, investors should take expert legal and financial advice before entering into any transaction similar to or inspired by the contents of this publication. The risk of loss in futures trading and options, foreign or domestic, can be substantial. As a result of the high degree of leverage obtainable in futures and options trading, losses may be incurred that are greater than the amount of funds initially deposited. Trading in options involves risk and is not suitable for all investors. Prior to buying or selling an option investors must review the "Characteristics and Risks of Standardized Options", at http://www.optionsclearing.com/about/publications/character-risks.jsp. If you are unable to access the website please contact your Deutsche Bank representative for a copy of this important document.

Participants in foreign exchange transactions may incur risks arising from several factors, including the following: (i) exchange rates can be volatile and are subject to large fluctuations; (ii) the value of currencies may be affected by numerous market factors, including world and national economic, political and regulatory events, events in equity and debt markets and changes in interest rates; and (iii) currencies may be subject to devaluation or government imposed exchange controls which could affect the value of the currency. Investors in securities such as ADRs, whose values are affected by the currency of an underlying security, effectively assume currency risk.

Unless governing law provides otherwise, all transactions should be executed through the Deutsche Bank entity in the investor's home jurisdiction.

United States: Approved and/or distributed by Deutsche Bank Securities Incorporated, a member of FINRA, NFA and SIPC. Analysts employed by non-US affiliates may not be associated persons of Deutsche Bank Securities Incorporated and therefore not subject to FINRA regulations concerning communications with subject companies, public appearances and securities held by analysts.

Germany: Approved and/or distributed by Deutsche Bank AG, a joint stock corporation with limited liability incorporated in the Federal Republic of Germany with its principal office in Frankfurt am Main. Deutsche Bank AG is authorized under German Banking Law and is subject to supervision by the European Central Bank and by BaFin, Germany's Federal Financial Supervisory Authority.

United Kingdom: Approved and/or distributed by Deutsche Bank AG acting through its London Branch at Winchester House, 1 Great Winchester Street, London EC2N 2DB. Deutsche Bank AG in the United Kingdom is authorised by the Prudential Regulation Authority and is subject to limited regulation by the Prudential Regulation Authority and Financial Conduct Authority. Details about the extent of our authorisation and regulation are available on request.

Hong Kong: Distributed by Deutsche Bank AG, Hong Kong Branch.

India: Prepared by Deutsche Equities India Pvt Ltd, which is registered by the Securities and Exchange Board of India (SEBI) as a stock broker. Research Analyst SEBI Registration Number is INH000001741. DEIPL may have received administrative warnings from the SEBI for breaches of Indian regulations.

Japan: Approved and/or distributed by Deutsche Securities Inc.(DSI). Registration number - Registered as a financial instruments dealer by the Head of the Kanto Local Finance Bureau (Kinsho) No. 117. Member of associations: JSDA, Type II Financial Instruments Firms Association and The Financial Futures Association of Japan. Commissions and risks involved in stock transactions - for stock transactions, we charge stock commissions and consumption tax by multiplying the transaction amount by the commission rate agreed with each customer. Stock transactions can lead to losses as a result of share price fluctuations and other factors. Transactions in foreign stocks can lead to additional losses stemming from foreign exchange fluctuations. We may also charge commissions and fees for certain categories of investment advice, products and services. Recommended investment strategies, products and services carry the risk of losses to principal and other losses as a result of changes in market and/or economic trends, and/or fluctuations in market value. Before deciding on the purchase of financial products and/or services, customers should carefully read the relevant disclosures, prospectuses and other documentation. "Moody's", "Standard & Poor's", and "Fitch" mentioned in this report are not registered credit rating agencies in Japan unless Japan or "Nippon" is specifically designated in the name of the entity. Reports on Japanese listed companies not written by analysts of DSI are written by Deutsche Bank



Group's analysts with the coverage companies specified by DSI. Some of the foreign securities stated on this report are not disclosed according to the Financial Instruments and Exchange Law of Japan.

Korea: Distributed by Deutsche Securities Korea Co.

South Africa: Deutsche Bank AG Johannesburg is incorporated in the Federal Republic of Germany (Branch Register Number in South Africa: 1998/003298/10).

Singapore: by Deutsche Bank AG, Singapore Branch or Deutsche Securities Asia Limited, Singapore Branch (One Raffles Quay #18-00 South Tower Singapore 048583, +65 6423 8001), which may be contacted in respect of any matters arising from, or in connection with, this report. Where this report is issued or promulgated in Singapore to a person who is not an accredited investor, expert investor or institutional investor (as defined in the applicable Singapore laws and regulations), they accept legal responsibility to such person for its contents.

Taiwan: Information on securities/investments that trade in Taiwan is for your reference only. Readers should independently evaluate investment risks and are solely responsible for their investment decisions. Deutsche Bank research may not be distributed to the Taiwan public media or quoted or used by the Taiwan public media without written consent. Information on securities/instruments that do not trade in Taiwan is for informational purposes only and is not to be construed as a recommendation to trade in such securities/instruments. Deutsche Securities Asia Limited, Taipei Branch mav not execute transactions for clients in these securities/instruments.

Qatar: Deutsche Bank AG in the Qatar Financial Centre (registered no. 00032) is regulated by the Qatar Financial Centre Regulatory Authority. Deutsche Bank AG - QFC Branch may only undertake the financial services activities that fall within the scope of its existing QFCRA license. Principal place of business in the QFC: Qatar Financial Centre, Tower, West Bay, Level 5, PO Box 14928, Doha, Qatar. This information has been distributed by Deutsche Bank AG. Related financial products or services are only available to Business Customers, as defined by the Qatar Financial Centre Regulatory Authority.

Russia: This information, interpretation and opinions submitted herein are not in the context of, and do not constitute, any appraisal or evaluation activity requiring a license in the Russian Federation.

Kingdom of Saudi Arabia: Deutsche Securities Saudi Arabia LLC Company, (registered no. 07073-37) is regulated by the Capital Market Authority. Deutsche Securities Saudi Arabia may only undertake the financial services activities that fall within the scope of its existing CMA license. Principal place of business in Saudi Arabia: King Fahad Road, Al Olaya District, P.O. Box 301809, Faisaliah Tower - 17th Floor, 11372 Riyadh, Saudi Arabia.

United Arab Emirates: Deutsche Bank AG in the Dubai International Financial Centre (registered no. 00045) is regulated by the Dubai Financial Services Authority. Deutsche Bank AG - DIFC Branch may only undertake the financial services activities that fall within the scope of its existing DFSA license. Principal place of business in the DIFC: Dubai International Financial Centre, The Gate Village, Building 5, PO Box 504902, Dubai, U.A.E. This information has been distributed by Deutsche Bank AG. Related financial products or services are only available to Professional Clients, as defined by the Dubai Financial Services Authority.

Australia: Retail clients should obtain a copy of a Product Disclosure Statement (PDS) relating to any financial product referred to in this report and consider the PDS before making any decision about whether to acquire the product. Please refer to Australian specific research disclosures and related information at https://australia.db.com/australia/content/research-information.html

Australia and New Zealand: This research, and any access to it, is intended only for "wholesale clients" within the meaning of the Australian Corporations Act and New Zealand Financial Advisors Act respectively. Additional information relative to securities, other financial products or issuers discussed in this report is available upon request. This report may not be reproduced, distributed or published without Deutsche Bank's prior written consent. Copyright © 2016 Deutsche Bank AG



David Folkerts-Landau

Chief Economist and Global Head of Research

Raj Hindocha **Global Chief Operating Officer** Research

Marcel Cassard Global Head FICC Research & Global Macro Economics

Steve Pollard Global Head **Equity Research**

Michael Spencer Regional Head Asia Pacific Research

Ralf Hoffmann Regional Head Deutsche Bank Research, Germany

Andreas Neubauer Regional Head Equity Research, Germany

International locations

Deutsche Bank AG

Deutsche Bank Place Level 16 Corner of Hunter & Phillip Streets

Sydney, NSW 2000

Australia

Tel: (61) 2 8258 1234

Deutsche Bank AG London Deutsche Bank Securities Inc.

Deutsche Bank AG

Tel: (49) 69 910 00

Germany

Große Gallusstraße 10-14

60272 Frankfurt am Main

1 Great Winchester Street 60 Wall Street New York, NY 10005 London EC2N 2EQ United Kingdom United States of America Tel: (44) 20 7545 8000 Tel: (1) 212 250 2500

Deutsche Bank AG

Filiale Hongkong International Commerce Centre, 1 Austin Road West, Kowloon, Hong Kong

Tel: (852) 2203 8888

Deutsche Securities Inc.

2-11-1 Nagatacho Sanno Park Tower Chiyoda-ku, Tokyo 100-6171 Japan

Tel: (81) 3 5156 6770