Deutsche Bank Markets Research



Asia China Resources Metals & Mining

China Gold Industry

29 February 2016

Recommendation Change

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Key Changes Company Target Price Rating 2899.HK 2.30 to 2.80(HKD) Hold to Buy 1818.HK 4.30 to 7.60(HKD) Hold to Buy Source: Deutsche Bank

Source: Deutsche Bank	
Zhaojin Mining (1818.HK),HKD6.13	Buy
Zijin Mining (2899.HK),HKD2.35	Buy
Top picks	

Source: Deutsche Bank Companies Featured

Zijin Mining (2899.H	K),HKD2.35		Buy
	2015A	2016E	2017E
P/E (x)	24.5	17.0	12.4
EV/EBITDA (x)	10.5	7.6	5.7
Price/book (x)	1.3	1.3	1.2
Zhaojin Mining (181	8.HK),HKD6.1	3	Buy
	20144	201EE	20165

Zhaojin Mining (1818.HK),HKD6.13 Buy 2014A 2015E 2016E P/E (x) 23.6 37.8 20.9 EV/EBITDA (x) 10.4 13.4 10.3 Price/book (x) 1.1 1.7 1.6 Source: Deutsche Bank

Upgrading Zhaojin and Zijin to Buy on rising financial instability

Buy Zhaojin and Zijin on new gold price forecasts

The Deutsche Bank global commodity team has upgraded its gold price forecasts by 15.7%/11.9%/10.9% YoY in 2016/17/18 to \$1,195/ \$1,231/ \$1,275/oz, respectively, on rising risks in the global financial system. We accordingly raise our earnings for Zhaojin by 46%/73% and for Zijin by 25%/15% in 2016 and 2017, representing respective bottom-line growth of 81%/52% YoY and 58%/26% YoY in 2016/17. Based on our DCF life-of-mine valuation methodology, we raise Zhaojin and Zijin's target prices by 77%/22% to HKD7.6 and HKD2.8, respectively. With 19% and 24% upside potential, we upgrade both Zhaojin and Zijin from Hold to Buy.

Relatively pricey, but underpinned by rising financial stress

Although gold is relatively expensive compared to many other commodities, as well as relative to its medium-term trading history, our commodity team believes it is well underpinned by rising financial instabilities, i.e., the rising risk of a US corporate default cycle, the risk of a sharp RMB devaluation on strong capital outflows, and overall weakening global macro momentum. Seasonally, the first quarter is usually the strongest. With a potential Fed hike in the near term, our global commodity team expects \$1,230/oz, \$1,150/oz and \$1,170/oz in 1Q16, 2Q16 and 3Q16, respectively, indicating a good entry point in 2Q16.

Buy Zhaojin (pure gold player) and Zijin (undemanding valuation); risks

We derive Zhaojin and Zijin's target prices, of HKD7.6 and HKD2.8 respectively, using the DCF life-of-mine methodology and a WACC of 7.6% and 9.2%, respectively. With 19% and 24% upside potential, we upgrade both from Hold to Buy. We prefer Zhaojin as a pure gold player, with roughly 90% gold exposure vs. Zijin's c.50-60% gold exposure and c.30% copper exposure. We however also like Zijin's undemanding valuation, currently trading at 17x/12x 2016/17DBe EPS, vs. Zhaojin's 21x/14x 2016/17DBe EPS. In 2016 ytd, Zijin's share price is up 16% and Zhaojin is up c.40%. Risks: downside risks in gold and copper prices.

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	New FY16 NPAT (mRMB)	chg%	New FY17 NPAT (mRMB)	chg%	New TP TF (HKD)	chg%	Upside	Rating
Zijin	2,668	25%	3,652	15%	2.8	+22%	24%	Buy
Zhaojin	731	46%	1,112	73%	7.6	+77%	19%	Buy
Source: Deu	tsche Bank							

Deutsche Bank AG/Hong Kong

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Model updated:26 F	February 2016	3
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Running the numbers	
Asia	
China	
Metals & Mining	

Zhaojin Mining

Reuters: 1818.HK Bloomberg: 1818 HK

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Price (26 Feb 16)	HKD 6.13
Target Price	HKD 7.60
52 Week range	HKD 3.47 - 6.46
Market Cap (m)	HKDm 18,181
	USDm 2,340

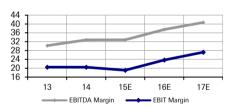
Company Profile

Zhaojin is an integrated mining company with exploration, mining, processing and smelting operations focusing on the gold production business. The Company is one of the leading gold producers and one of the largest enterprises of gold smelting in the PRC.

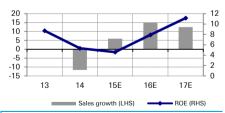
Price Performance



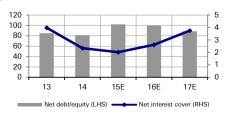
Margin Trends



Growth & Profitability



Solvency



Sharon Ding

sharon.ding@db.com

Fiscal year end 31-Dec	2013	2014	2015E	2016E	2017E
Financial Summary					
DB EPS (CNY) Reported EPS (CNY) DPS (CNY) BVPS (CNY)	0.25	0.15	0.14	0.25	0.37
	0.25	0.15	0.14	0.25	0.37
	0.10	0.05	0.04	0.08	0.12
	2.8	2.9	3.0	3.2	3.5
Weighted average shares (m)	2,966	2,966	2,966	2,966	2,966
Average market cap (CNYm)	17,781	10,748	15,298	15,298	15,298
Enterprise value (CNYm)	26,096	19,183	26,050	26,463	26,160
Valuation Metrics P/E (DB) (x) P/E (Reported) (x) P/BV (x)	24.2 24.2 1.24	23.6 23.6 1.06	37.8 37.8 1.71	20.9 20.9 1.61	13.8 13.8 1.47
FCF Yield (%)	nm	nm	nm	2.3	7.4
Dividend Yield (%)	1.7	1.4	0.9	1.6	2.4
EV/Sales (x) EV/EBITDA (x) EV/EBIT (x)	4.1	3.4	4.4	3.9	3.4
	13.6	10.4	13.4	10.3	8.4
	20.1	16.7	23.0	16.3	12.5
Income Statement (CNYm)					
Sales revenue Gross profit EBITDA Depreciation Amortisation	6,344 2,857 1,916 617 0	5,606 2,864 1,839 691 0	5,941 3,109 1,951 818 0	6,825 3,788 2,560 941 0	7,676 4,428 3,123 1,032
Relitation Reliable R	1,299	1,147	1,133	1,619	2,091
	-326	-490	-563	-620	-557
	21	26	-3	27	27
Exceptionals/extraordinaries Other pre-tax income/(expense) Profit before tax	0	0	0	0	0
	0	0	0	0	0
	994	683	567	1,026	1,560
Income tax expense	226	176	142	256	390
Minorities	33	51	21	38	59
Other post-tax income/(expense) Net profit	0	0	0	0	0
	734	455	404	731	1,112
DB adjustments (including dilution) DB Net profit	0	0	0	0	0
	734	455	404	731	1,112
Cash Flow (CNYm) Cash flow from operations Net Capex Free cash flow Equity raised/(bought back) Dividends paid Net inc/(dec) in borrowings Other investing/financing cash flows Net cash flow Change in working capital	875 -2,543 -1,668 0 -807 3,170 -1,008 -313 -526	1,068 -2,126 -1,058 0 -420 447 1,250 219 -588	1,516 -3,097 -1,581 0 -148 2,000 -558 -288	2,697 -2,347 350 0 -132 504 -620 103 279	2,977 -1,847 1,130 0 -238 -695 -557 -360 111
Balance Sheet (CNYm)					
Cash and other liquid assets Tangible fixed assets Goodwill/intangible assets Associates/investments Other assets Total assets	1,200	1,643	1,355	1,458	1,098
	9,476	11,145	13,468	14,925	15,795
	5,196	5,628	5,585	5,533	5,479
	514	585	582	608	635
	6,987	7,399	7,608	7,365	7,287
	23,372	26,400	28,597	29,890	30,294
Interest bearing debt Other liabilities Total liabilities Shareholders' equity Minorities Total shareholders' equity	9,133	9,580	11,585	12,089	11,394
	4,917	7,070	6,986	7,136	7,303
	14,050	16,650	18,570	19,225	18,697
	8,426	8,667	8,923	9,522	10,396
	897	1,083	1,104	1,143	1,201
	9,323	9,750	10,027	10,665	11,597
Net debt	7,933	7,937	10,229	10,631	10,296
Key Company Metrics Sales growth (%) DB EPS growth (%) EBITDA Margin (%) EBIT Margin (%) Payout ratio (%) ROE (%) Capex/sales (%) Capex/depreciation (x) Net debt/equity (%) Net interest cover (x)	nm	-11.6	6.0	14.9	12.5
	na	-38.0	-11.2	80.8	52.1
	30.2	32.8	32.8	37.5	40.7
	20.5	20.5	19.1	23.7	27.2
	40.4	32.6	32.6	32.6	32.6
	8.7	5.3	4.6	7.9	11.2
	40.2	38.5	52.1	34.4	24.1
	4.1	3.1	3.8	2.5	1.8
	85.1	81.4	102.0	99.7	88.8
	4.0	2.3	2.0	2.6	3.8

Source: Company data, Deutsche Bank estimates



	Model	updated:26	February	2016
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Running the numbers	
Asia	
China	
Metals & Mining	

Zijin Mining

Reuters: 2899.HK Bloomberg: 2899 HK

Buy

Price (26 Feb 16)	HKD 2.35
Target Price	HKD 2.80
52 Week range	HKD 1.71 - 3.49
Market Cap (m)	HKDm 51,258
	USDm 6,598

Company Profile

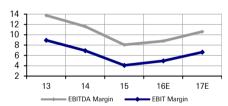
Zijin Mining is a mining conglomerate in the PRC. It is engaged primarily in the exploration, mining and sale of gold and other non-ferrous metals. The company is one of the largest and most efficient mine-produced gold producers in the PRC.

Price Performance

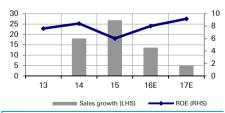


Zijin Mining ——— HANG SENG INDEX (Rebased)

Margin Trends



Growth & Profitability



Solvency



Sharon Ding

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Fiscal year end 31-Dec	2013	2014	2015	2016E	2017E
Financial Summary					
DB EPS (CNY) Reported EPS (CNY) DPS (CNY) BVPS (CNY)	0.08	0.11	0.08	0.12	0.16
	0.10	0.11	0.08	0.12	0.16
	0.08	0.08	0.05	0.04	0.07
	1.3	1.3	1.3	1.6	1.7
Weighted average shares (m)	21,812	21,573	21,573	22,970	22,970
Average market cap (CNYm)	36,491	32,034	41,308	43,131	43,131
Enterprise value (CNYm)	48,751	50,517	63,343	56,918	53,631
Valuation Metrics P/E (DB) (x) P/E (Reported) (x) P/BV (x)	19.9 17.2 1.04	13.7 13.7 1.34	24.5 24.5 1.27	17.0 17.0 1.25	12.4 12.4 1.17
FCF Yield (%)	0.9	0.6	nm	2.6	11.6
Dividend Yield (%)	4.7	5.4	2.5	2.2	3.4
EV/Sales (x) EV/EBITDA (x) EV/EBIT (x)	1.0	0.9	0.8	0.7	0.6
	7.1	7.4	10.5	7.6	5.7
	11.0	12.4	20.8	13.6	9.1
Income Statement (CNYm)					
Sales revenue Gross profit EBITDA Depreciation Amortisation	49,772 10,601 6,846 2,395	58,761 9,790 6,820 2,749 0	74,556 9,347 6,006 2,963 0	84,743 10,487 7,452 3,253 0	89,106 12,652 9,455 3,536
EBIT Net interest income(expense) Associates/affiliates	4,451	4,071	3,043	4,199	5,918
	-733	-768	-936	-766	-530
	117	21	21	21	21
Exceptionals/extraordinaries Other pre-tax income/(expense) Profit before tax Income tax expense Minorities Other post-tax income/(expense)	0 0 3,835 973 736	0 0 3,324 689 290 0	0 0 2,128 532 -92 0	0 0 3,454 863 -78 0	0 0 5,410 1,352 406 0
Net profit DB adjustments (including dilution) DB Net profit	2,126	2,345	1,688	2,668	3,652
	-291	0	0	0	0
	1,834	2,345	1,688	2,668	3,652
Cash Flow (CNYm)	1,004	2,040	1,000	2,000	0,002
Cash flow from operations Net Capex Free cash flow Equity raised/(bought back) Dividends paid Net inc/(dec) in borrowings Other investing/financing cash flows Net cash flow Change in working capital	8,842	6,321	4,874	6,573	10,329
	-8,519	-6,143	-5,856	-5,412	-5,069
	324	177	-982	1,162	5,260
	0	0	0	9,000	0
	-3,687	-3,034	-1,726	-1,045	-1,036
	484	1,201	6,000	-2,000	-2,000
	150	-2,954	-4,015	-1,605	-950
	-2,729	-4,609	-723	5,511	1,274
	2,765	-2,256	-621	-37	2,205
Balance Sheet (CNYm)					
Cash and other liquid assets Tangible fixed assets Goodwill/intangible assets Associates/investments Other assets Total assets Interest bearing debt Other liabilities Total liabilities Shareholders' equity Minorities	4,492	4,140	3,416	8,824	10,098
	29,529	33,242	36,743	39,498	41,633
	8,995	9,882	9,510	9,149	8,782
	5,854	6,154	9,233	10,072	10,492
	18,029	21,742	22,132	23,825	19,996
	66,898	75,160	81,035	91,368	91,001
	17,133	23,167	29,167	27,244	25,244
	16,680	18,324	18,328	20,220	18,832
	33,813	41,491	47,495	47,464	44,076
	27,612	28,059	28,022	38,465	41,080
	5,473	5,609	5,517	5,440	5,845
Total shareholders' equity Net debt	33,085	33,669	33,539	43,904	46,925
	12,641	<i>19,028</i>	<i>25,751</i>	18,420	15,146

Key Company Metrics Sales growth (%) 18.1 26.9 13.7 5.1 DB EPS growth (%) EBITDA Margin (%) 29.3 -28.0 48.4 36.9 11.6 10.6 13.8 8.1 8.8 EBIT Margin (%) 6.9 6.6 8.9 4.1 5.0 81.5 41.9 73.6 61.9 Payout ratio (%) 36.6 ROE (%) 8.4 6.0 8.0 9.2 7.6 Capex/sales (%) 17.3 5.7 10.6 7.9 6.4 Capex/depreciation (x) 3.6 2.3 2.0 1.4 Net debt/equity (%) 38.2 56.5 76.8 42.0 32.3

Source: Company data, Deutsche Bank estimates

11.2

3.3



Upgrading Zhaojin and Zijin

New Deutsche Bank gold price forecasts

Deutsche Bank's global commodity team has upgraded its gold price forecast by an average of 13% over the next three years, on the rising risk of a US credit default cycle, the rising potential of a sharp one-off RMB devaluation and overall slowing global momentum, despite gold already being relatively expensive vs. other commodities like oil. We show our new forecasts in Figure 2 below.

Figure 2: Gold price	forecasts							
USD/oz	2015	2016	2017	2018	2019	2020	2021	
Gold price (annually)	1160	1195	1231	1275	1317	1359	1400	
% Change from previous forecast	0.0%	15.7%	11.9%	10.9%	6.8%	3.2%	0.0%	
	Q1 16	Q2 16	Q3 16	Q4 16	Q1 17	Q2 17	Q3 17	Q4 17
Gold price (quarterly)	1230	1150	1170	1230	1250	1175	1210	1290
% Change from previous forecast Source: Deutsche Bank	11.8%	9.5%	17.0%	25.5%	19.0%	6.8%	10.0%	12.2%

Zhaojin – upgrading to Buy, target price of HKD7.6

Following Deutsche Bank's new gold price forecasts, we upgrade Zhaojin's 2016 and 2017 earnings by 46% and 73% to RMB731m and RMB1112m, respectively, which is almost twice the level of consensus, as shown in the figures below.

Figure 3: Zhaojin	's forecast ch	ange tak	ole			
	2016E			2017E		
RMB m	New	Old	Change%	New	Old	Change%
Revenue	6,825	6,300	8%	7,676	6,750	14%
EBIT	1,619	1,275	27%	2,091	1,399	49%
NP	731	501	46%	1,112	644	73%
Source: Deutsche Bank						

Figure 4: Zhaojin Deutsche Bank estimates against consensus						
	2016E			2017E		
RMB m	DBe	Consensus	DBe/Cons.	DBe	Consensus	DBe/Cons.
Revenue	6,825	5,931	115%	7,676	6,505	118%
EBIT	1,619	1,265	128%	2,091	1,445	145%
NP	731	439	167%	1,112	540	206%
Source: Deutsche Bank, Bloombei	rg Finance LP					



Our sensitivity analysis below shows that every c.100/oz gold price movement from the current forecast would result in a 37% change in earnings vs. an 18% change in Zijin earnings.

Figure 5: Earnings sensitivity to gold price 2016 PEx Gold price % chg to current FY16 earnings %chg in earnings assumptions USD/oz RMBm Х 1,000 -16% 229 -69% 66 1,100 31 -8% 486 -33% 1,195 0% 731 0% 21 1,300 9% 1,001 37% 15 1,400 17% 1,259 72% 12 Source: Deutsche Bank

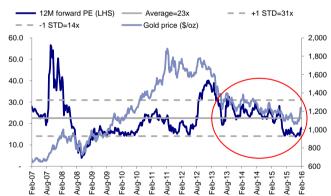
We base our target price of HKD7.6 on a DCF life-of-mine valuation methodology, with a WACC of 7.6%. We adopt 9.5% as the cost of equity for Zhaojin, reflecting a risk-fee rate of 3.9%, a market risk premium of 5.6% and beta of 1.0. Our target price indicates 26x/17x 2016/17DBe EPS and 2.0x/1.8x 2016/17DBe BVPS, respectively. With 19% upside potential, we upgrade Zhaojin from Hold to Buy.

Zhaojin is currently trading at 18x 12 months forward PE, 20% lower than its historical average of 23x. As illustrated in Figure 7 below, we can see that recent share price momentum is still lagging that of the gold price.

Figure 6: Zhaojin share price vs. gold price



Figure 7: Zhaojin PE vs. gold price



Source: Deutsche Bank, Bloomberg Finance LP





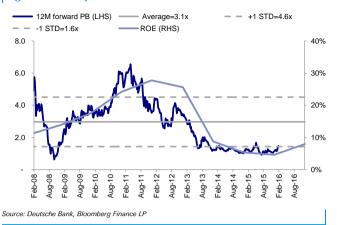
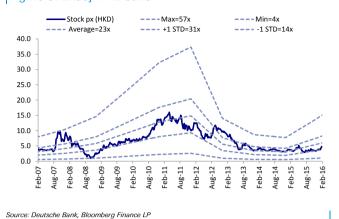


Figure 9: Zhaojin PE band



Zijin Mining – upgrading to Buy, target price of HKD2.8

As shown in the table below, we revise up Zijin's FY16/17 earnings by 25% and 15% to RMB2.7bn and RMB3.7bn, respectively, driven by ~16%/12% upgrade in the gold price. Copper price forecasts remain unchanged at US\$4,575/t and US\$4,725/t in 2016 and 2017 respectively in our current model.

Our earnings forecasts are \sim 19%/12% higher than Bloomberg consensus in 2016 and 2017 as shown in Figure 11.

1 0			O .				
		2016E			2017E		
RMB m		New	Old	Change%	New	Old	Change%
Revenue		84,743	75,989	11.5%	89,106	81,961	8.7%
EBIT		4,199	3,485	20.5%	5,918	5,230	13%
NP		2,668	2,127	25.4%	3,652	3,178	15%
Source: Deutsche	e Bank						

Figure 11: Zijin Deutsche Bank estimates against consensus

	2016E			2017E		
RMB m	DBe	Consensus	DBe/Cons.	DBe	Consensus	DBe/Cons.
Revenue	84,743	71,605	118%	89,106	76,582	116%
EBIT	4,199	4,596	91%	5,918	6,263	94%
NP	2,668	2,246	119%	3,652	3,265	112%
Source: Deutsche Bank, Bloomb	erg Finance LP					

Our sensitivity analysis below shows that every c.100/oz gold price movement (c.8% chg) from the current forecast would result in an 18% change in Zijin's earnings. Also, the copper price of \$4,000/t suggests a 14% decline in FY16 earnings.

Figure 12: Farnings sensitivity to gold price

Figure 12: Earnii	ngs sensitivity to go	ola price		
Gold px	% chg to current assumptions	16 earnings	%chg in earnings	2016 PEx
USD/oz		RMBm		X
1,000	-16%	1,758	-34%	25
1,100	-8%	2,224	-17%	20
1,195	0%	2,668	0%	17



1,300	9%	3,158	18%	14
1,400	17%	3,625	36%	12
Source: Deutsche Bank				

Copper	% chg to current assumptions	16 earnings	%chg in earnings	2016 PEx
USD/t		RMBm		Х
3,500	-23%	1,980	-26%	22
4,000	-13%	2,300	-14%	19
4,575	0%	2,668	0%	17
5,000	9%	2,940	10%	15
5,500	20%	3,260	22%	14

We base our target price of HKD2.8 on a DCF life-of-mine valuation methodology, with a WACC of 9.2%. We adopt 11.2 % as the cost of equity for Zijin, reflecting a risk-fee rate of 3.9%, a market risk premium of 5.6% and beta of 1.3. Zijin is currently trading at 17x/12x 2016/17DBe EPS and 1.2x/1.1x 2016/17DBe BVPS. Our target price indicates 20x/15x 2016/17DBe EPS and 1.5x/1.4x 2016/17DBe BVPS, respectively. With 24% upside potential, we upgrade Zijin from Hold to Buy.

As shown in Figure 14 and Figure 15 below, Zijin's 12m forward PE is trading at 16x and 1.2x, lower than the historical average of 18x and 3.9x. We believe the valuation is undemanding, given the encouraging gold price forecasts on rising financial risks across the world.

Figure 14: Zijin PE band

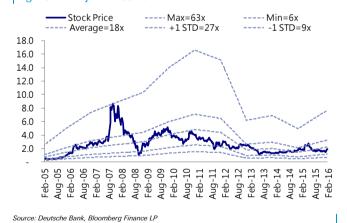
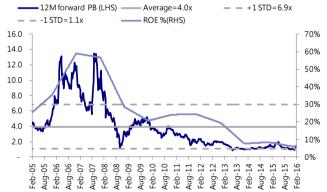


Figure 15: Zijin PB vs. ROE band



Source: Deutsche Bank, Bloomberg Finance LP



Figure 16: Zijin share price vs. gold price



Source: Deutsche Bank, Bloomberg Finance LP

Figure 17: Zijin share price vs. copper price



Source: Deutsche Bank, Bloomberg Finance LP



Appendix 1

Important Disclosures

Additional information available upon request

Disclosure checklist			
Company	Ticker	Recent price*	Disclosure
Zijin Mining	2899.HK	2.36 (HKD) 26 Feb 16	6,9,14,15
Zhaojin Mining	1818.HK	6.13 (HKD) 26 Feb 16	6,9

^{*}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.

Important Disclosures Required by U.S. Regulators

Disclosures marked with an asterisk may also be required by at least one jurisdiction in addition to the United States. See Important Disclosures Required by Non-US Regulators and Explanatory Notes.

- 6. Deutsche Bank and/or its affiliate(s) owns one percent or more of any class of common equity securities of this company calculated under computational methods required by US law.
- Deutsche Bank and/or its affiliate(s) has received non-investment banking related compensation from this company within the past year.
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Important Disclosures Required by Non-U.S. Regulators

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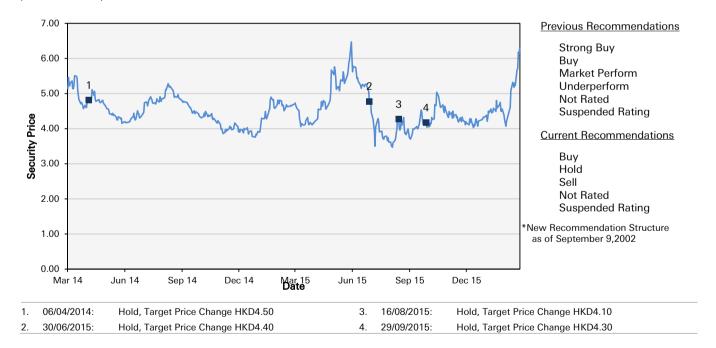
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Historical recommendations and target price: Zijin Mining (2899.HK) (as of 2/26/2016)



Historical recommendations and target price: Zhaojin Mining (1818.HK) (as of 2/26/2016)





Equity rating key

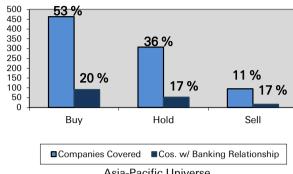
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Equity rating dispersion and banking relationships



Asia-Pacific Universe

Regulatory Disclosures

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