



遠東集團
FAR EASTERN GROUP

亞洲水泥股份有限公司 Asia Cement Corporation

Stock code:

1102 TT

IR presentation



May 2020



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- Company snapshot
- What's New
- PRC market overview
- Taiwan market overview
- Dividend Policy
- Financials
- CSR achievement



Company Snapshot

Company Snapshot



Market Cap: US\$ 4.9 bn / NT\$ 147.2 bn (as of 14 May 2020)

Consolidated Entities

ACC Taiwan

- Established in 1957
- 2nd largest cement producer
- Cement capacity: 5.0 mtpa.

ACC China (743 HK)

- 10th largest cement producer
- In Central and Western China
- Cement capacity: 33.0 mtpa.

Other Business

- LNG fired IPP (8% of revenue)
- Cold rolled stainless steel (6% of revenue)

Asia Cement (1102 TT)

Equity Investments

FENC
(1402 TW)

U-Ming
Marine
(2606 TW)

Shanshui
Cement
(691 HK)

Investment Portfolio in Far Eastern Group



NT\$ mn

Incorporated Year	Investees	Stock code	Holdings ⁽¹⁾	Market Value ⁽²⁾	Equity Income				
					1Q19	2Q19	3Q19	4Q19	1Q20
2004	Asia Cement (China) Holdings Corp.	743 HK	67.7%	38,629					
1997	Far EasTone Telecommunications Ltd.	4904 TT	1.0%	2,040					
1992	Far Eastern International Bank	2845 TT	2.4%	844					
1975	Oriental Union Chemical Corp.	1710 TT	7.2%	1,062					
1968	U-Ming Marine Transport Corp.	2606 TT	39.3%	9,320	37	13	338	249	(152)
1967	Far Eastern Department Stores Ltd.	2903 TT	5.7%	1,805					
1949	Far Eastern New Century Corp.	1402 TT	23.8%	33,909	331	518	469	320	333
	Others				(33)	1,514	1,174	561	(23)
Total				87,609	335	2,046	1,980	1,130	158

Note1: Asia Cement comprehensively holds 72.0% of Asia Cement(China) Holdings.

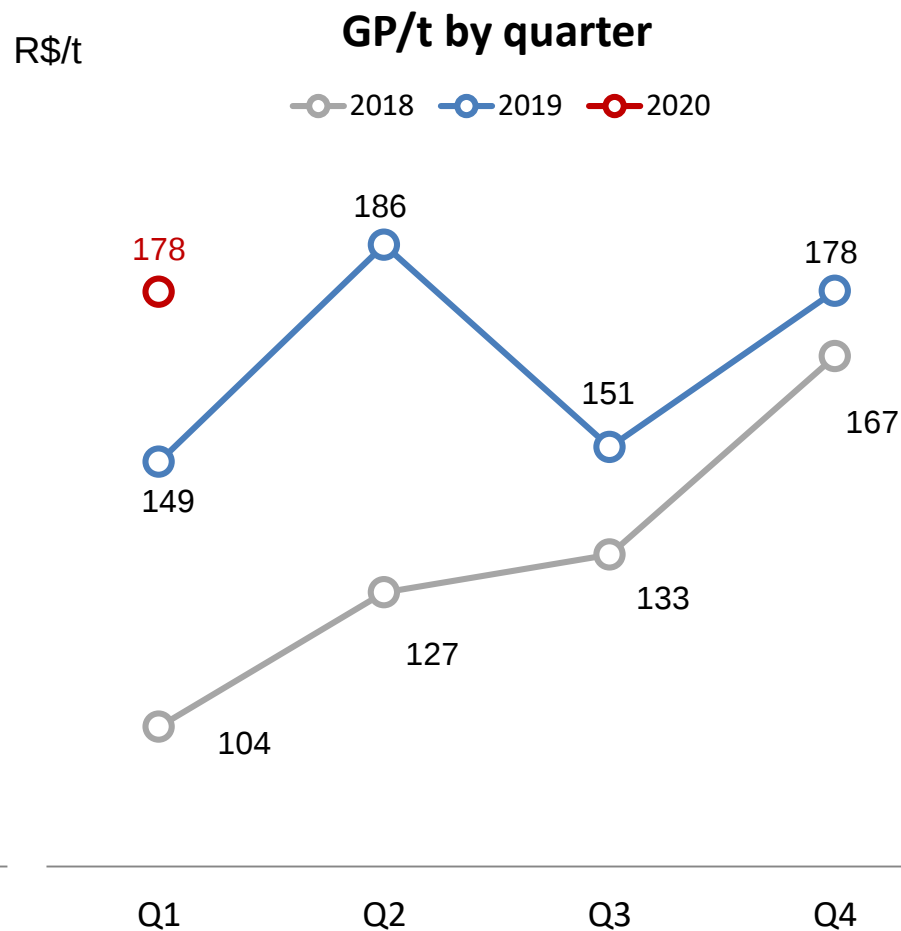
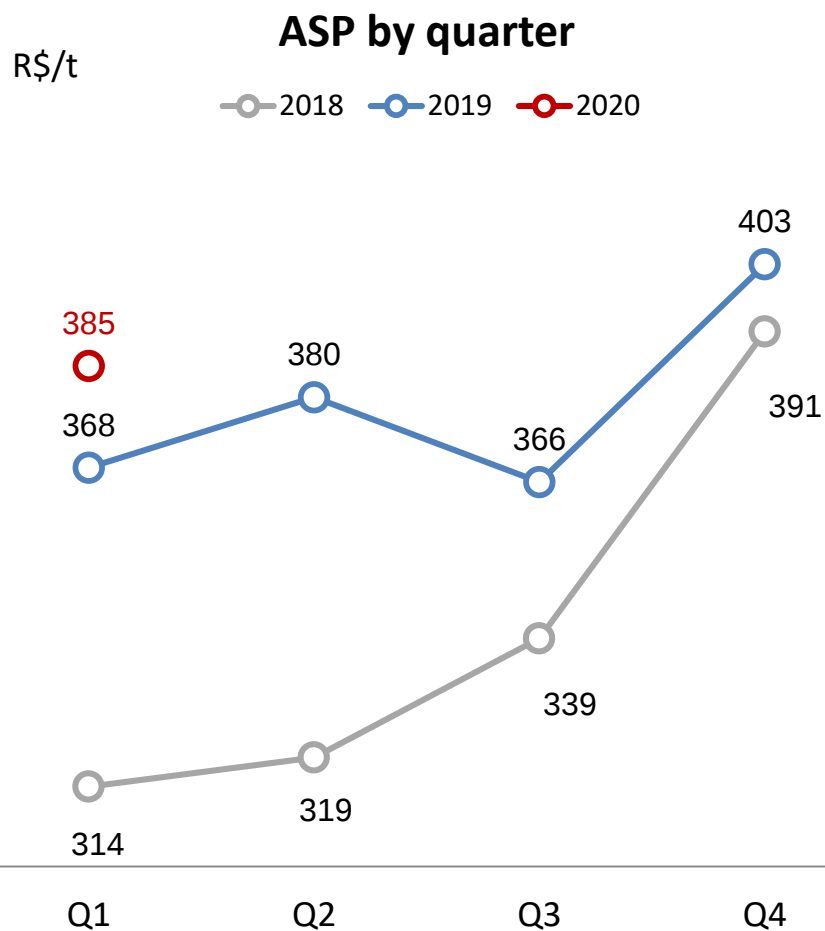
(100%-owned AC(Singapore) holds a 4.1% stake and Asia Engineering Pte. holds a 0.2% stake of Asia Cement(China))

Note2: The market value is calculated on the basis of ACC's holding shares and the equity's closing price at 14 May 2020.



What's New

What's New: Strong ASP and GP growth of ACCH



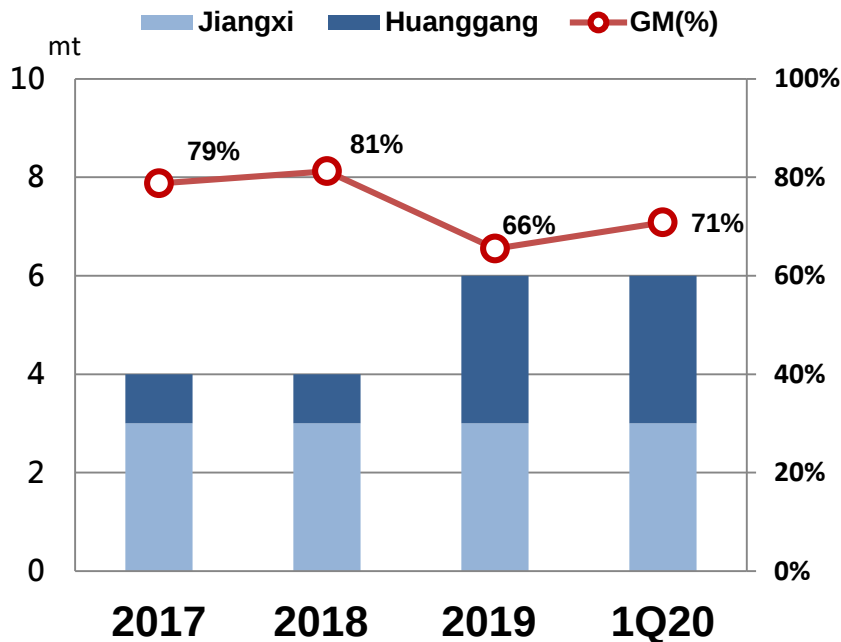
Note: According to IFRS, losses on work stoppages, which is the fixed operating cost RMB 115mn in 1Q20, were recognized as operating expense.

What's New: Undergoing Investments and Future Prospects

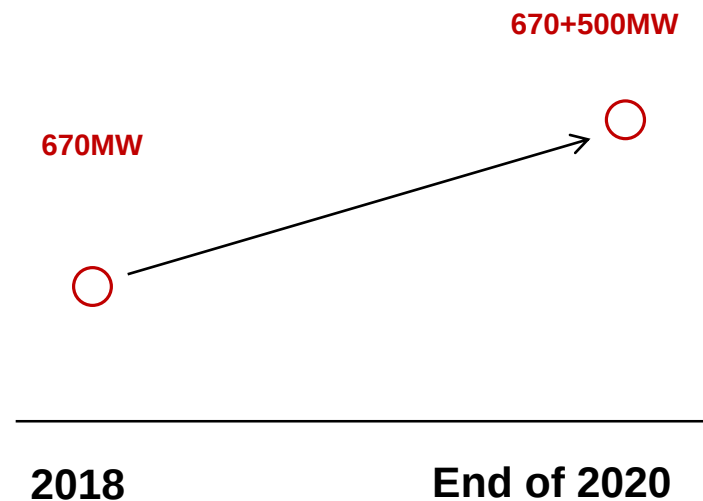


1. GM of aggregate recovered after the production resumed in 1Q20.
2. IPP phase II project is expected to start operation by the end of 2020. Total CAPEX budget is NT\$10.7bn.

Aggregate Capacity in China



IPP Phase II project in TW



What's New: Growing investment income



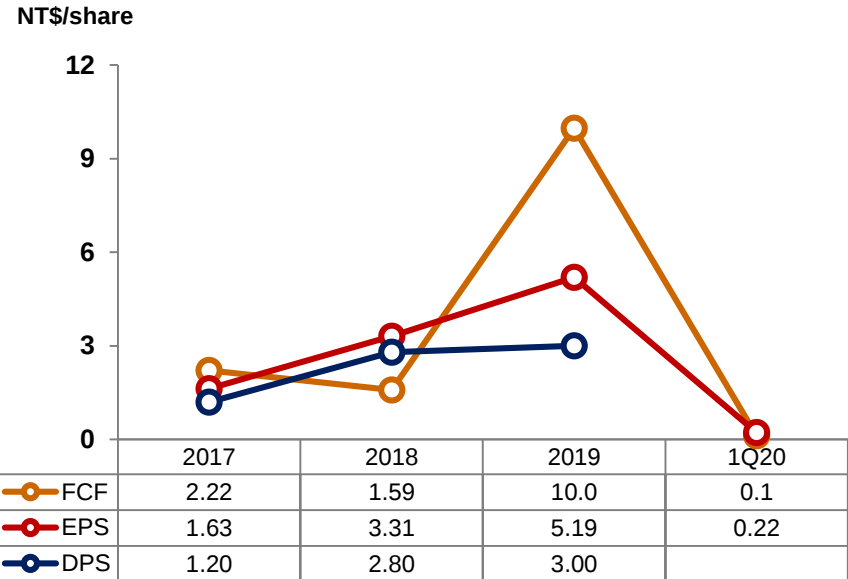
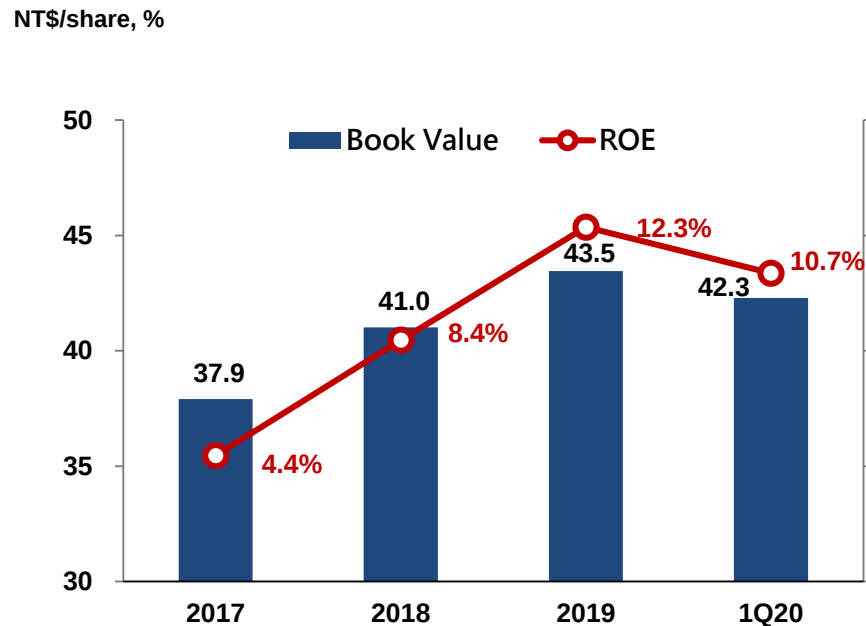
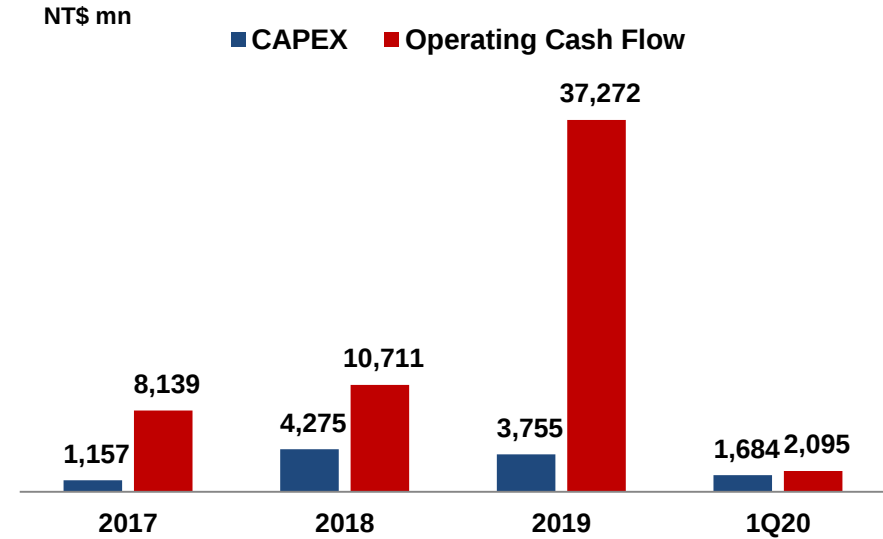
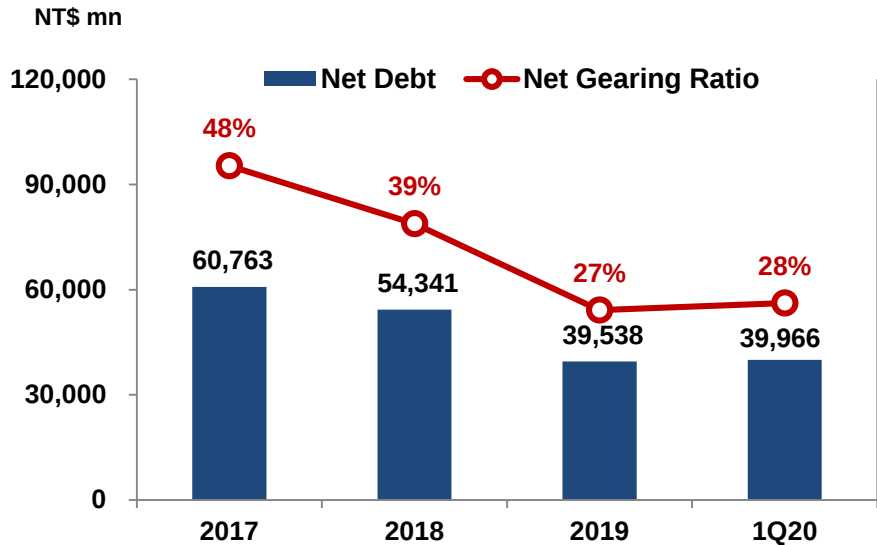
1. U-Ming: The rebound of BDI is under pressure due to the weakness in bulk shipping demand.
2. FENC: PET spread could be supported by lower raw material costs amid weak oil prices. Development of the new office complex in Tpark could contribute to the property segment's profits.
3. Shanshui Cement: Supply-demand could continue improving thanks to infrastructure and well-implemented off-peak production halt in the north.

NT\$ mn

Investees	Holdings	Equity income (1102 TT)						
		2018	1Q19	2Q19	3Q19	4Q19	2019	1Q20
U-Ming Marine Transport Corp.	39.3%	655	37	13	338	249	637	(152)
Far Eastern New Century Corp.	23.8%	2,343	331	518	469	320	1,638	333
Shanshui Cement Co. Ltd.	17.5%	377	(169)	1,119	885	376	2,212	(342)
Others (unlisted investees)		770	136	395	288	185	1,004	319
Total		4,144	335	2,046	1,980	1,130	5,490	158

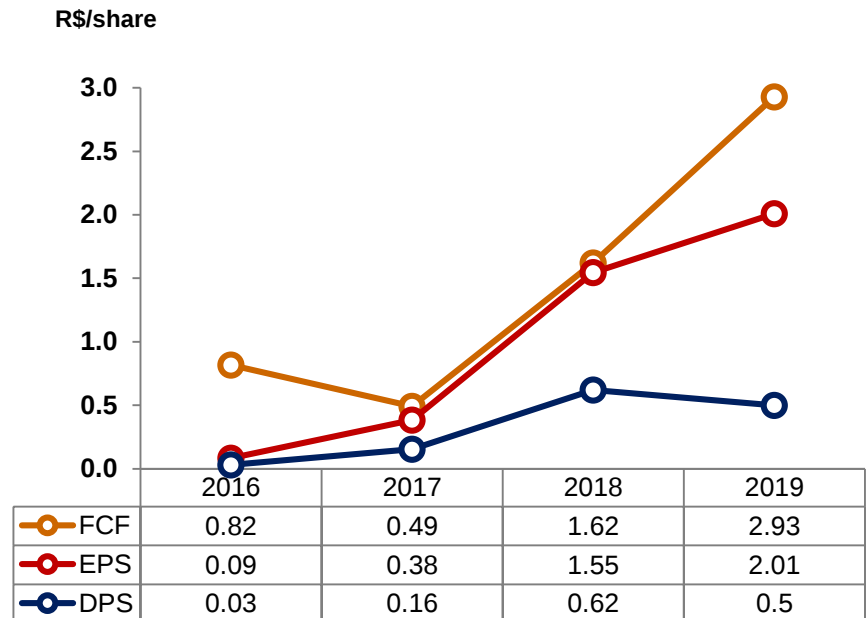
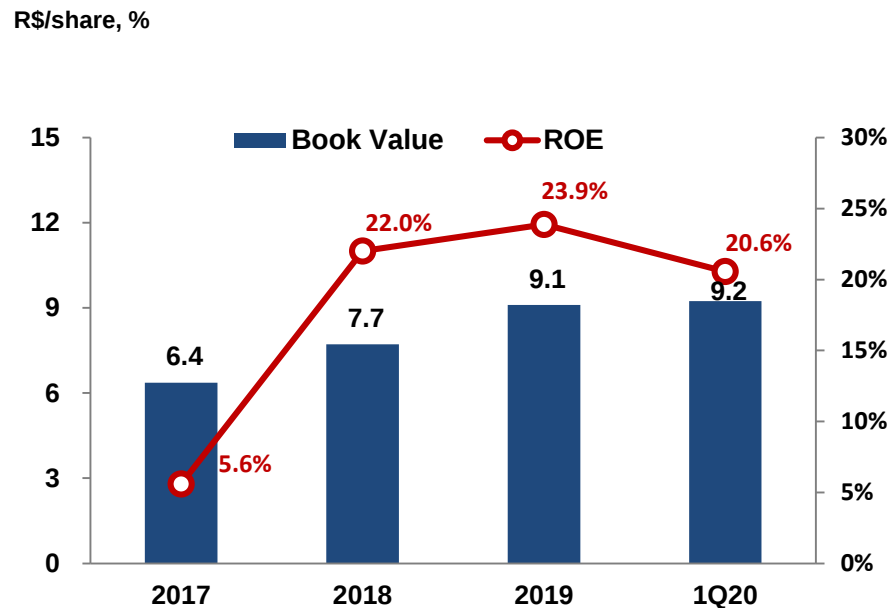
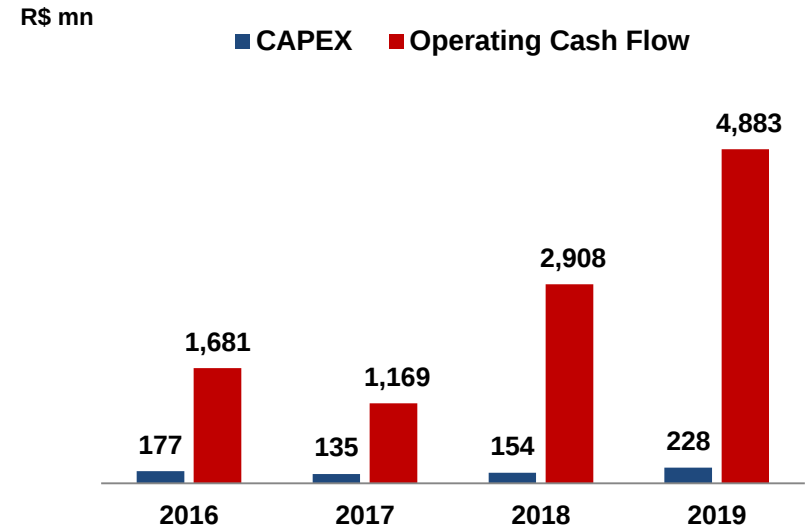
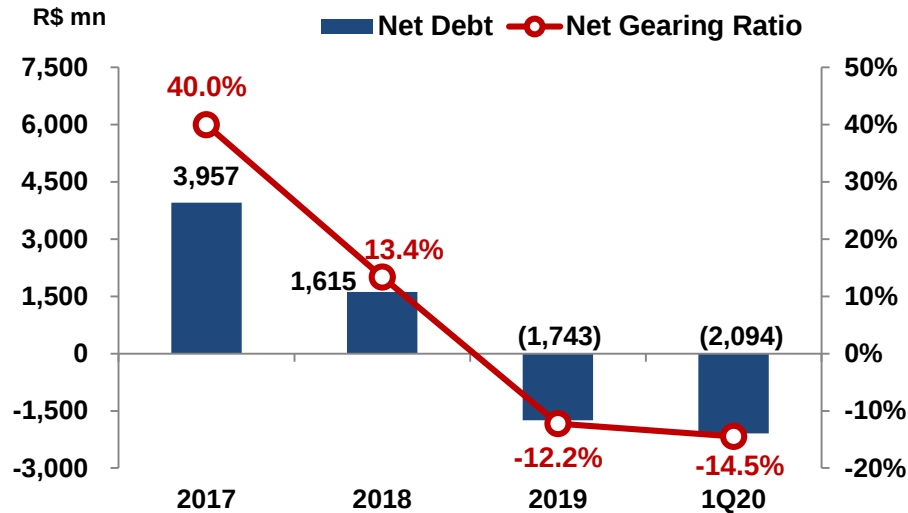
Asia Cement (1102 TW):

Robust financial structure and high dividend Payout



Note: EPS is calculated using total outstanding shares.

Asia Cement (China)(743 HK): Excellent profitability and rich cash flow





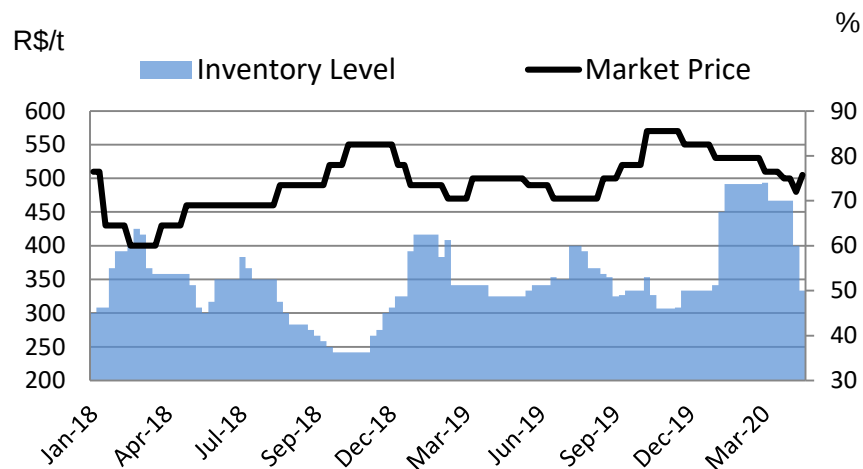
Asia Cement (China) Operating Data

AC(China): Regional P.O42.5 Price & Inventory Level

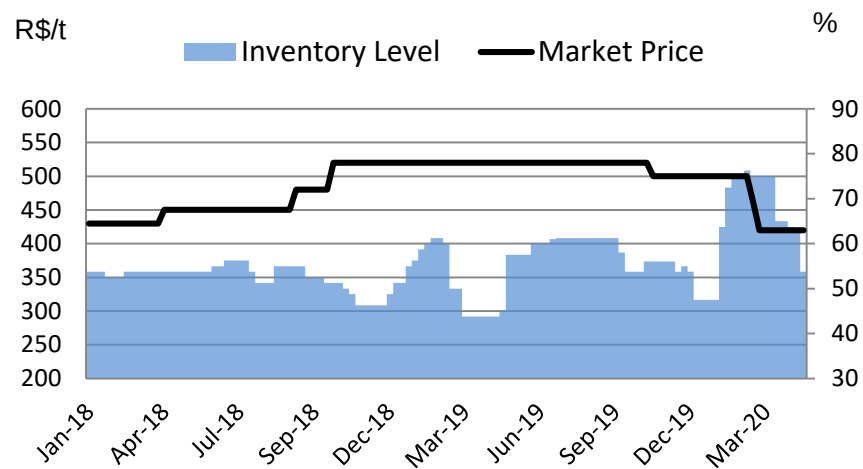


Unit: R\$/t ; %

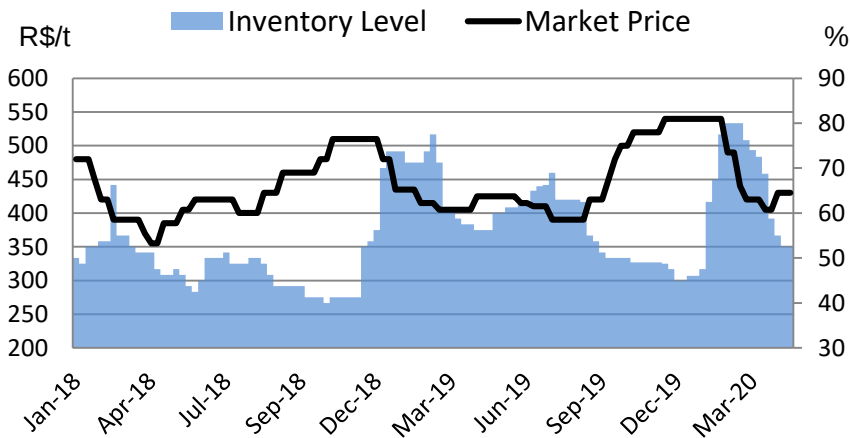
Hubei (Wuhan)



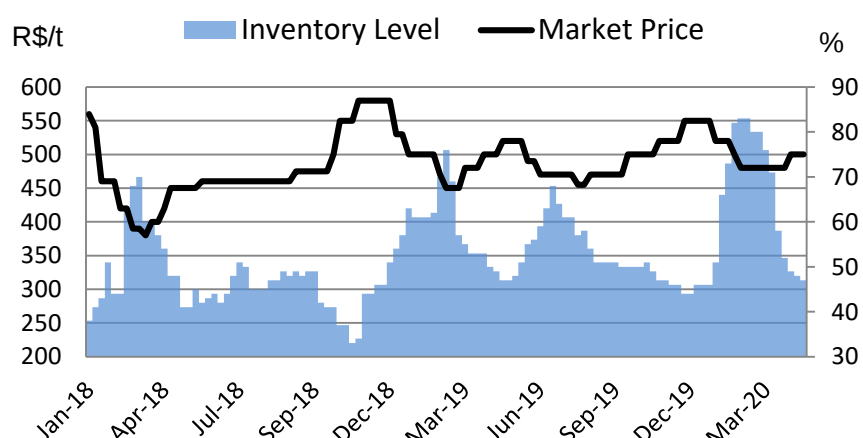
Sichuan (Chengdu)



Jiangxi (Nanchang)



Jiangsu (Nanjing)



AC(China): 1Q20 Operating data points

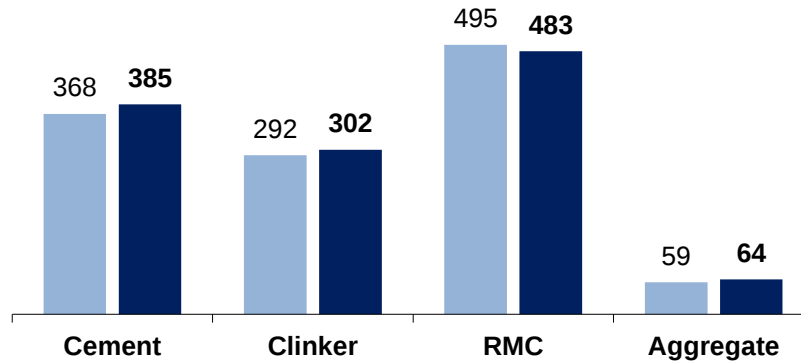


R\$/t

RMC:R\$/mm³

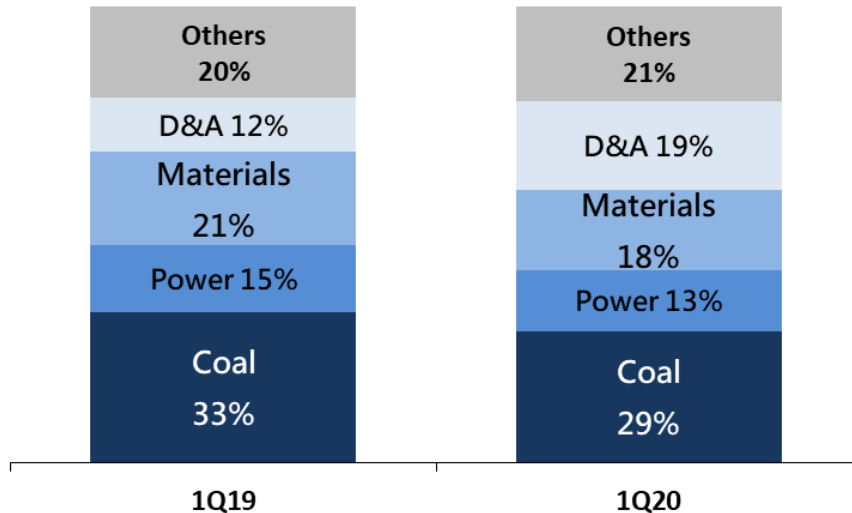
ASP

■ 1Q19 ■ 1Q20



Note: Net of VAT

Cost Breakdown

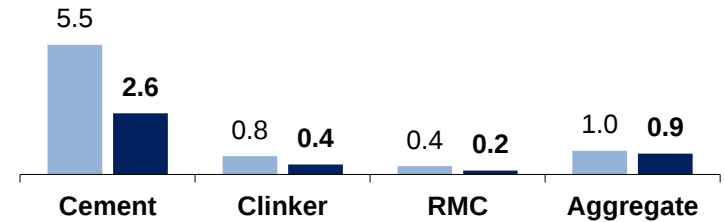


mt

RMC:mm³

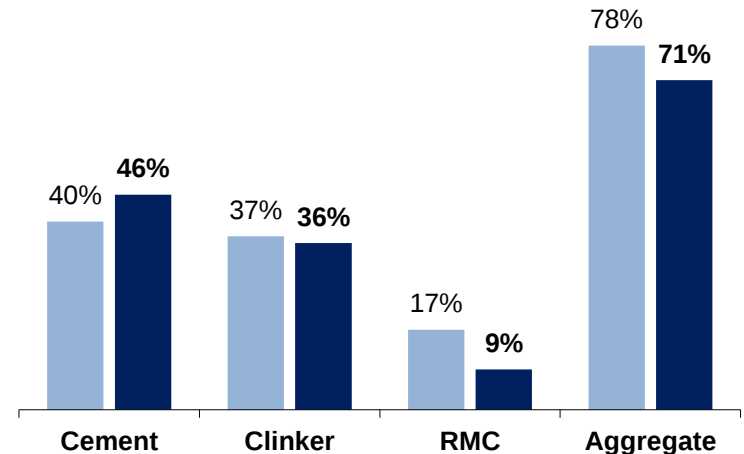
Shipment

■ 1Q19 ■ 1Q20



Gross Margin

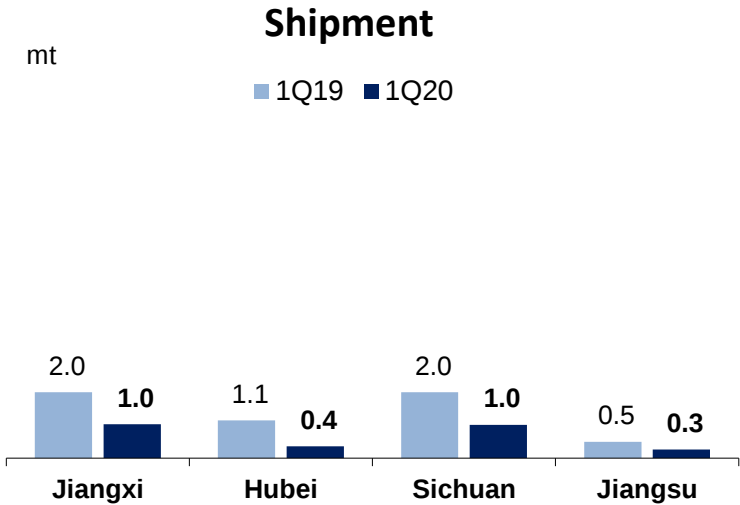
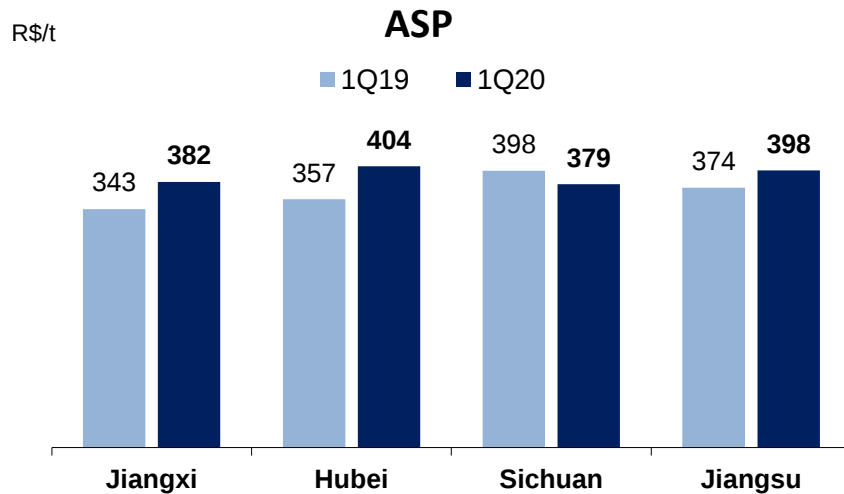
■ 1Q19 ■ 1Q20



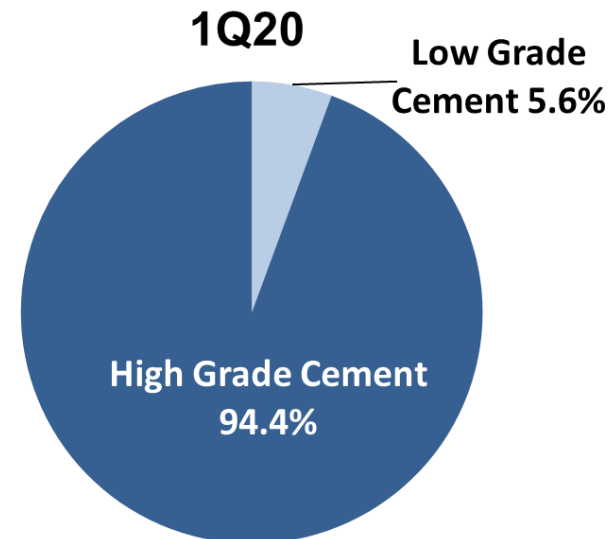
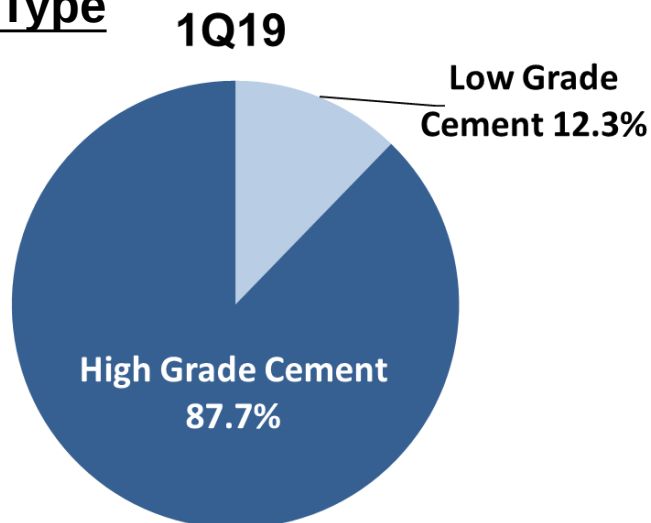
AC(China): 1Q20 Operating data points



Cement Product by Regions



Product Type





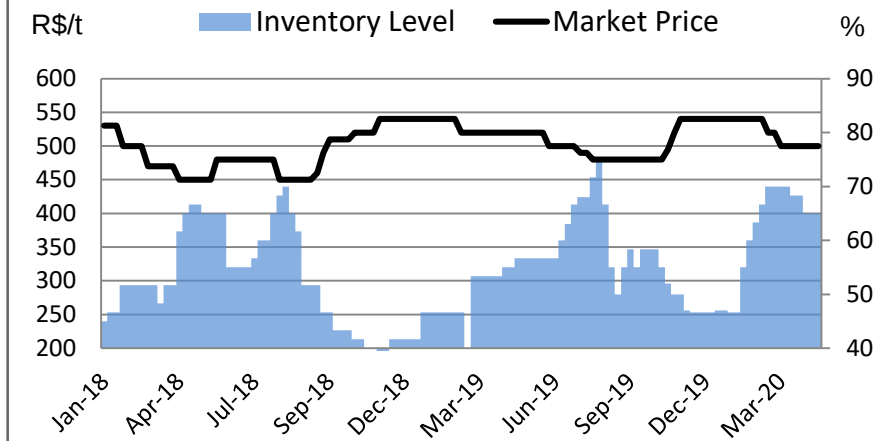
Shanshui Cement Profile

Shanshui: Regional P.O42.5 Price & Inventory Level

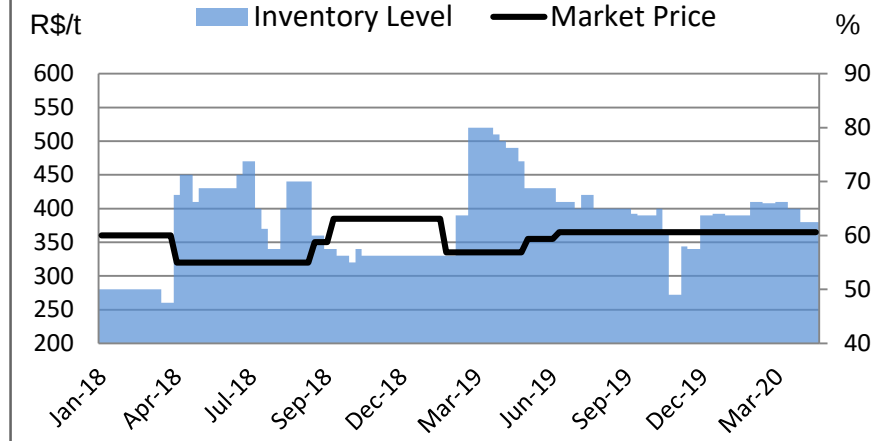


Unit: R\$/t ; %

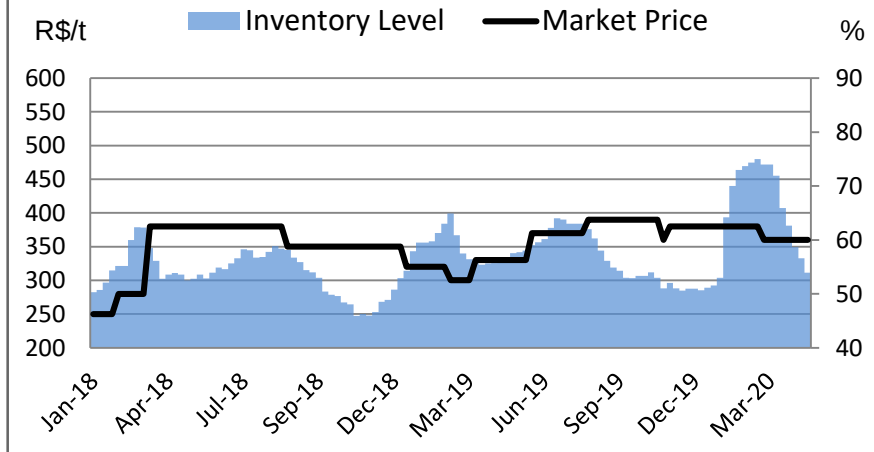
Shandong (Jinan)



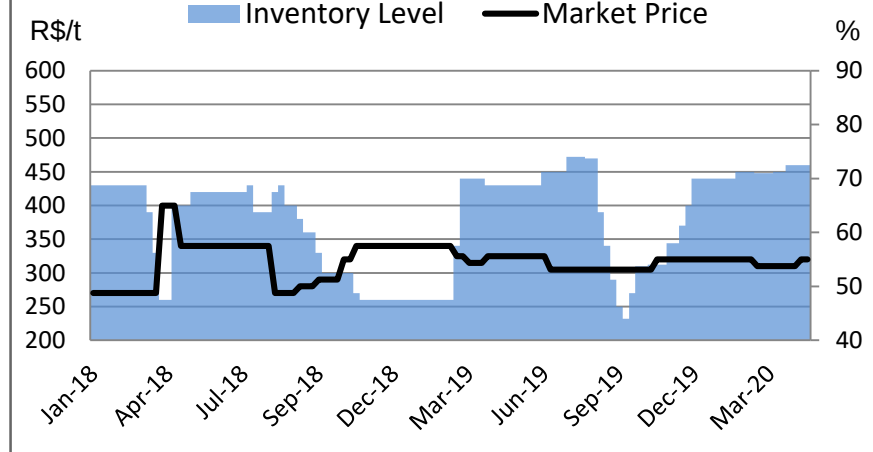
Shanxi (Taiyuan)



Inner Mongolia (Hohhot)



Liaoning (Shenyang)

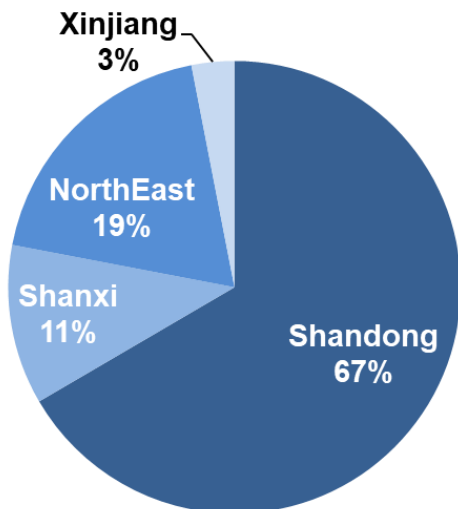


Source: Digit Cement. Inventory level is based on the average of province.

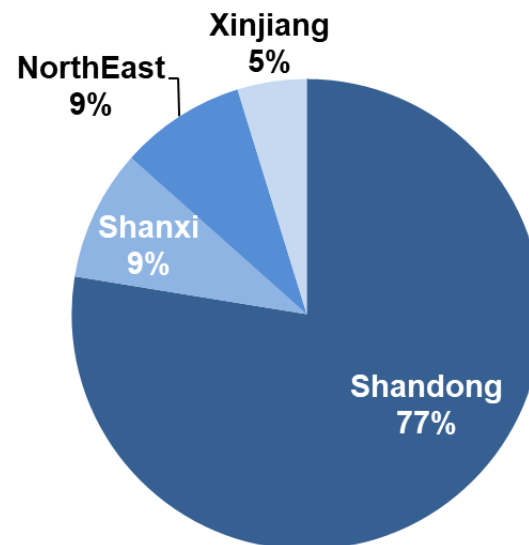
Shanshui: Overview by Regions



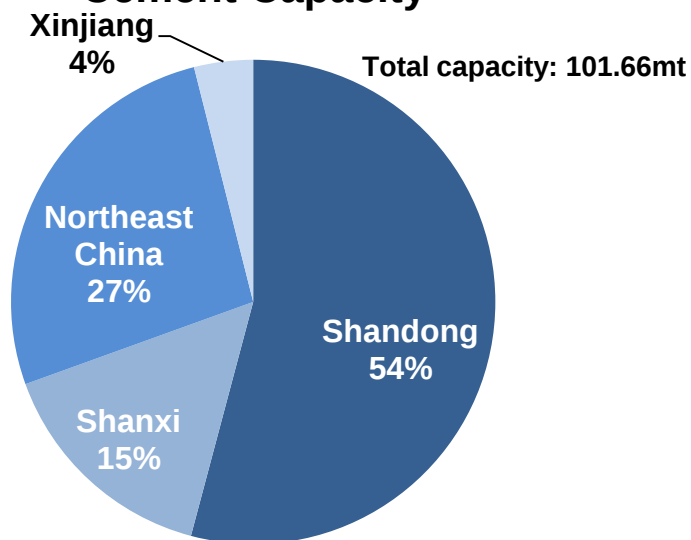
2019 Revenue by Regions



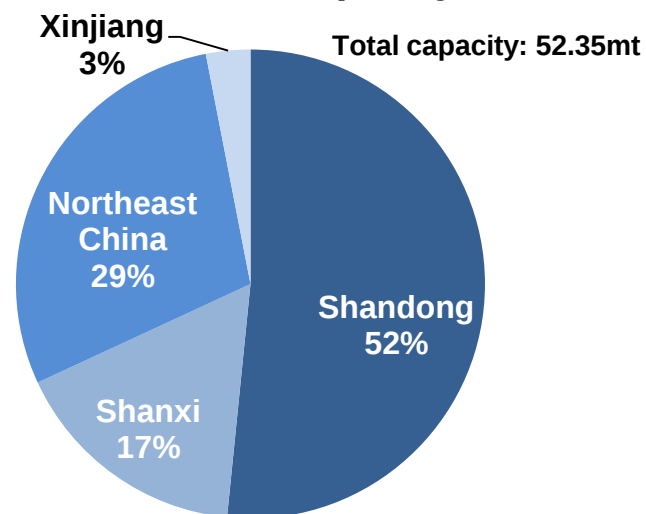
2019 Pretax Profit by Region



Cement Capacity



Clinker Capacity

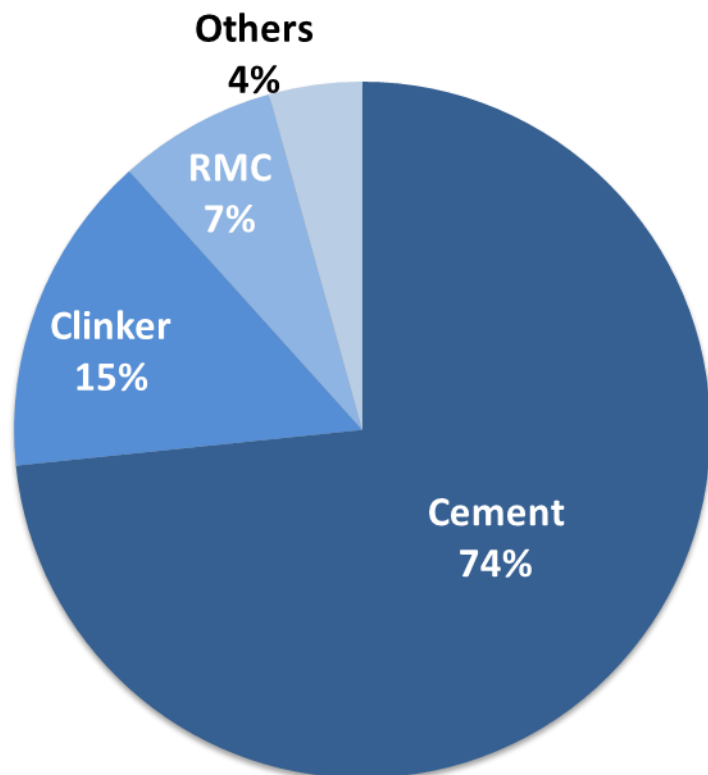


Note: Western Shandong region includes the capacities in Tianjin city. Northeast China region includes Liaoning province and Inner Mongolia.
Source: China Shanshui Cement Group Ltd. 2019 financial report and 2019 annual report.

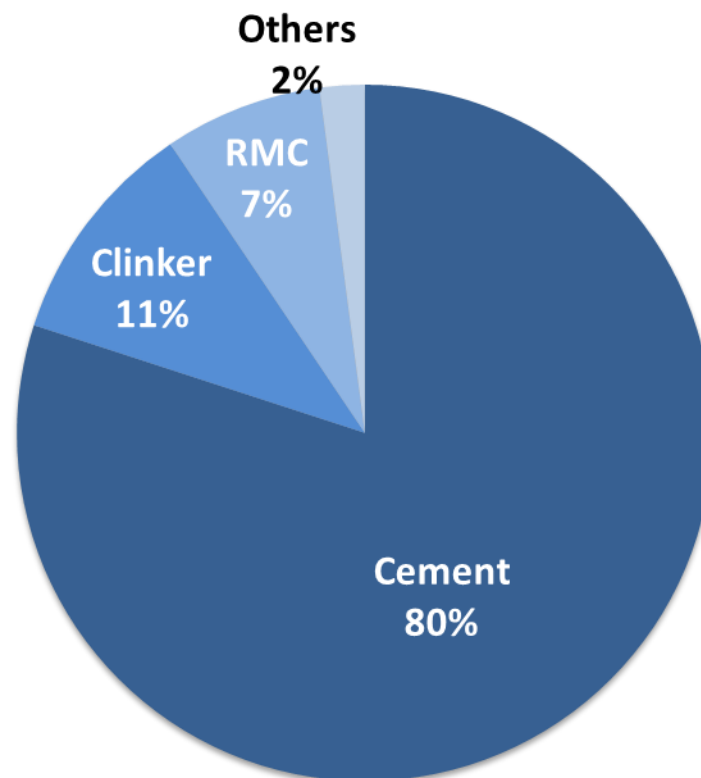
Shanshui: Revenue Breakdown



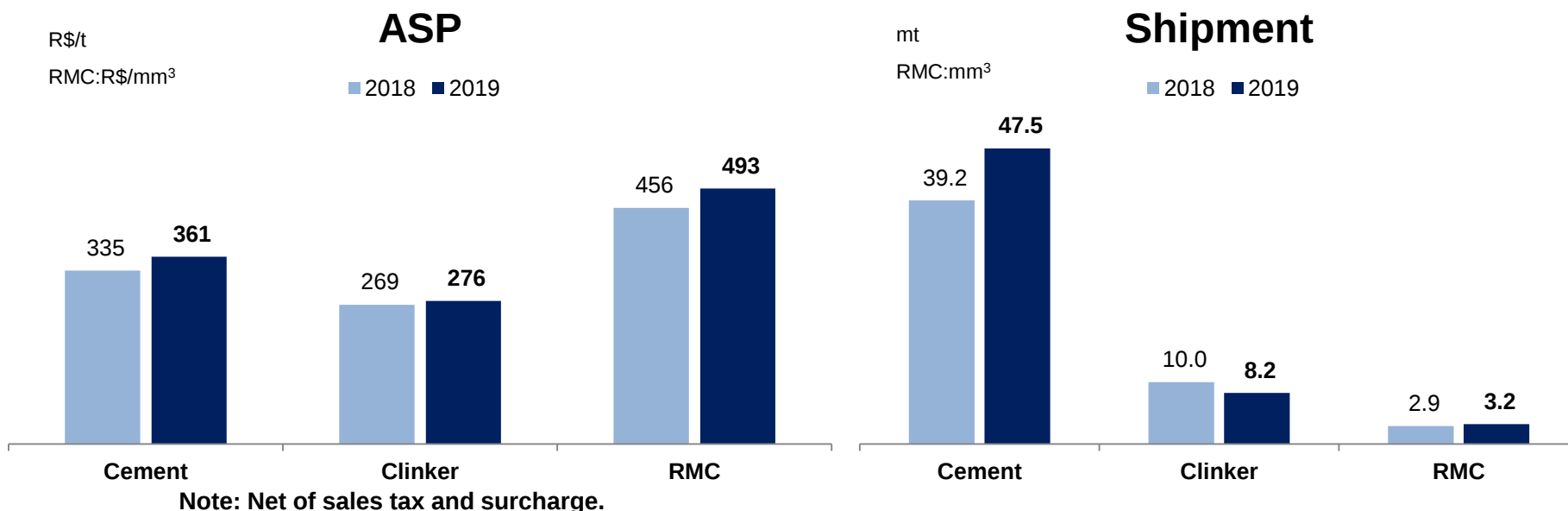
2018



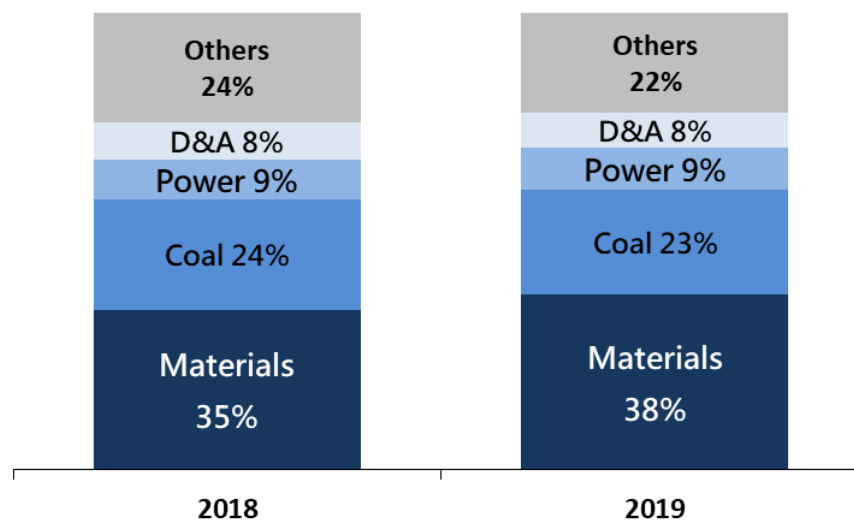
2019



Shanshui: 2019 Operating data points



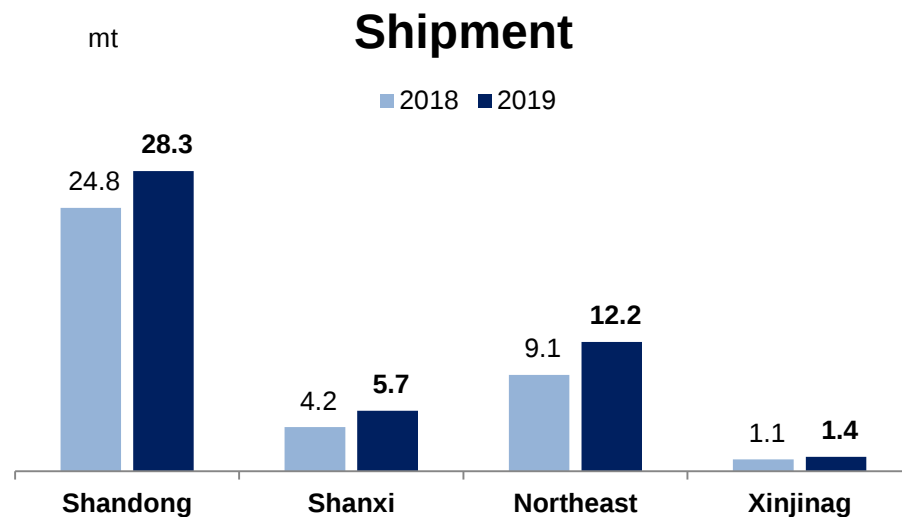
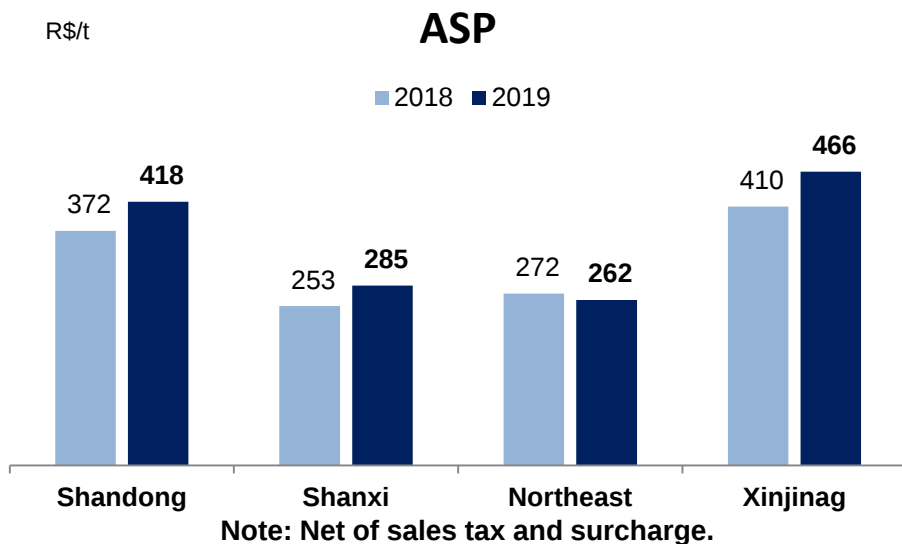
Cost Breakdown



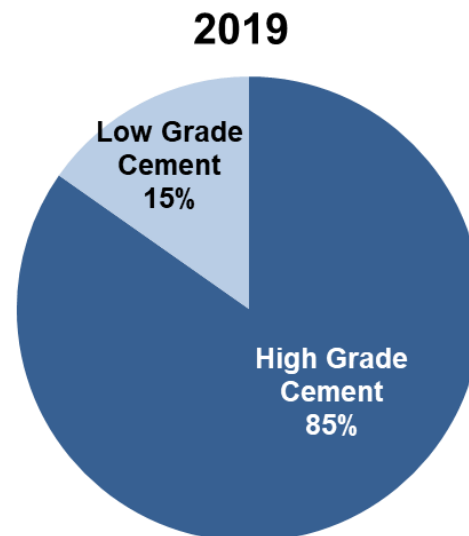
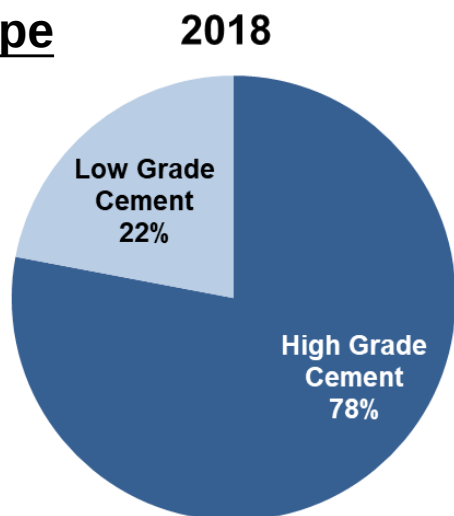
Shanshui: 2019 Operating data points



Cement Product by Regions



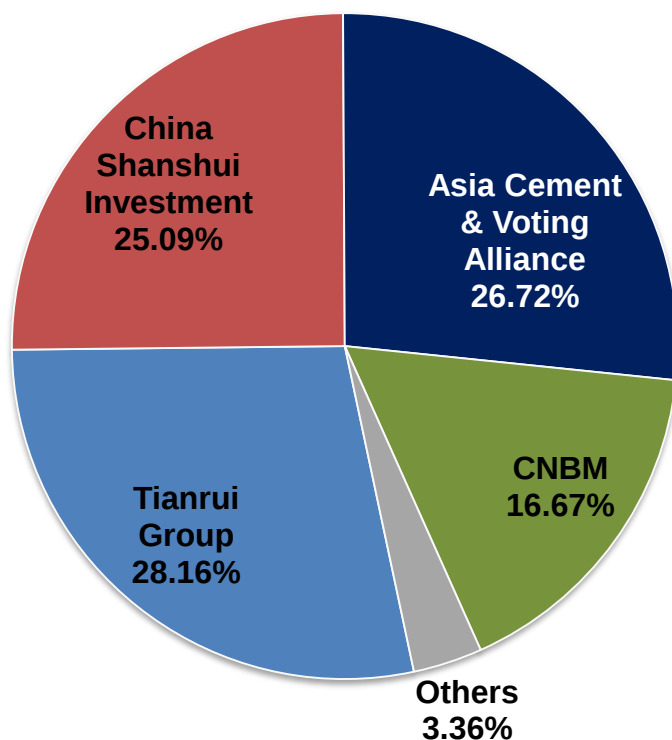
Product Type



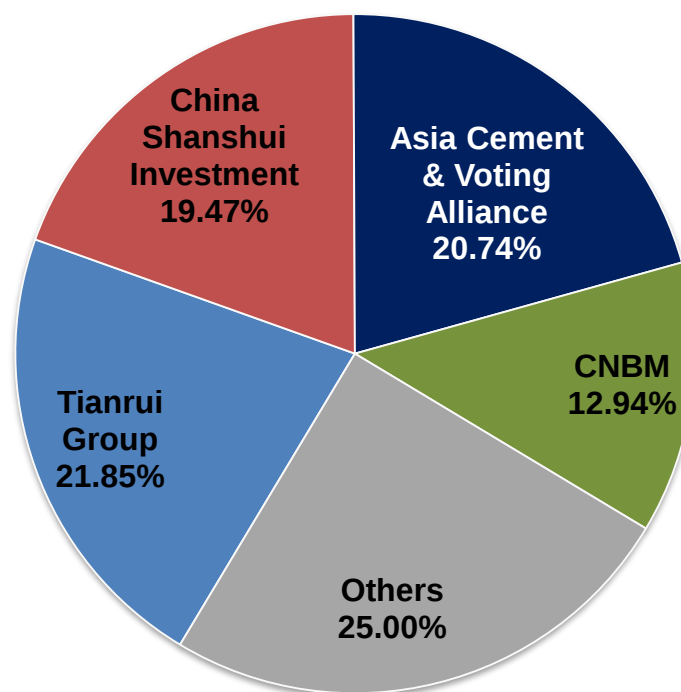
Shanshui: Shareholder Structure



Prior EGM 2018/10/30



Current



Note: Asia Cement holds 17.46%, and 3.28% of the interests are held through agreement to acquire interests in the Company, required to be disclosed under s.317(1)(a) and s.318 of the SFO.

Source: http://www3.hkexnews.hk/listedco/listconews/SEHK/2018/1030/LTN20181030956_C.pdf.



PRC Market Overview

China Cement Demand: The New Normal



2009-2011:

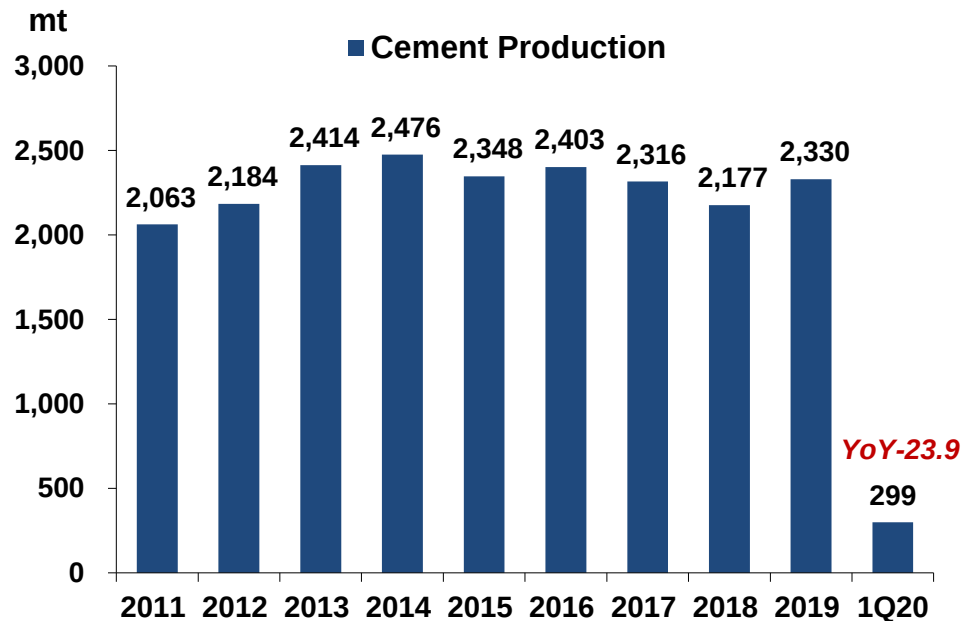
Demand boosted by R\$4 trillion stimulus

2012-2015:

Demand increase slowed down and oversupply weakened ASP

2016-2020:

“New Normal Economy” urges Supply-Side Reform and industry evolution.



2020 cement demand :

- Infrastructure: China government is proactively taking counter-cyclical measures and issuing more special bonds to offset the economic downturn.
- Property: Housing demand could benefit from more policy easing.

China Cement Supply-side Reform:



Control capacity expansion



1. Prohibit using outdated pipelines for capacity swap
2. Tightening regulation for cross-provincial capacity swap



Phase out capacities by lifting industry standards



1. Raise UT rate from 70% to 80%
2. Eliminate PC 32.5R grade of cement
3. Promote intelligent manufacturing



Schedule production halt to restrain output



1. The government plays a more active role on implementing.
2. Differentiation measures provide uncertainty in 2020.



Encourage consolidation



1. M&A, cross holding, JVs, sales platform
2. Carry out pilot program to subsidize the exiting capacity

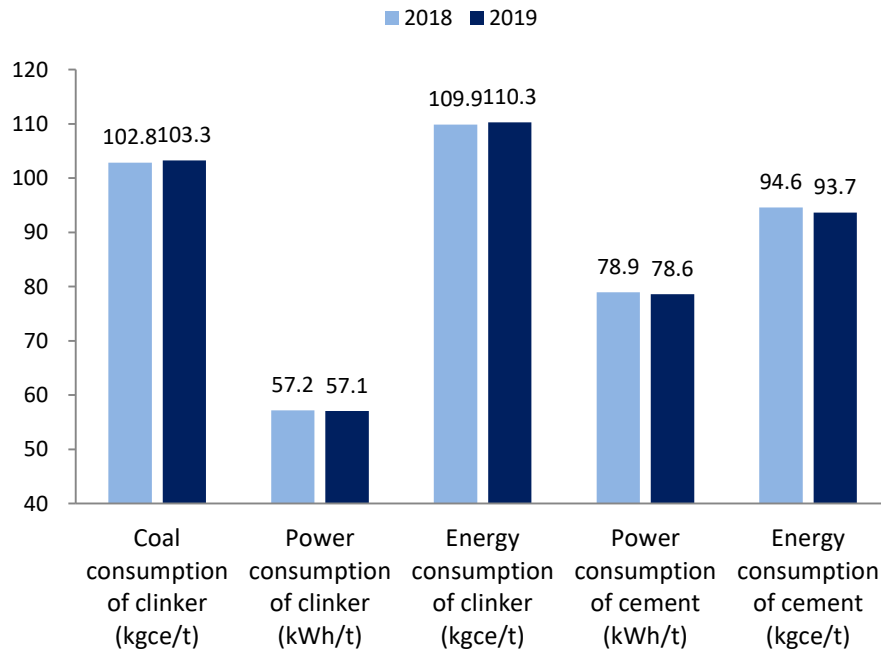
AC(China): Survival of the Fittest



Strength of AC(China)

- Superior to regulatory requirements in energy efficiency and GHG emission
- Sufficient limestone resources and reserves
- > 90% sales are high-grade cement
- 90% UT rate and no ≤ 2500 t/d clinker lines

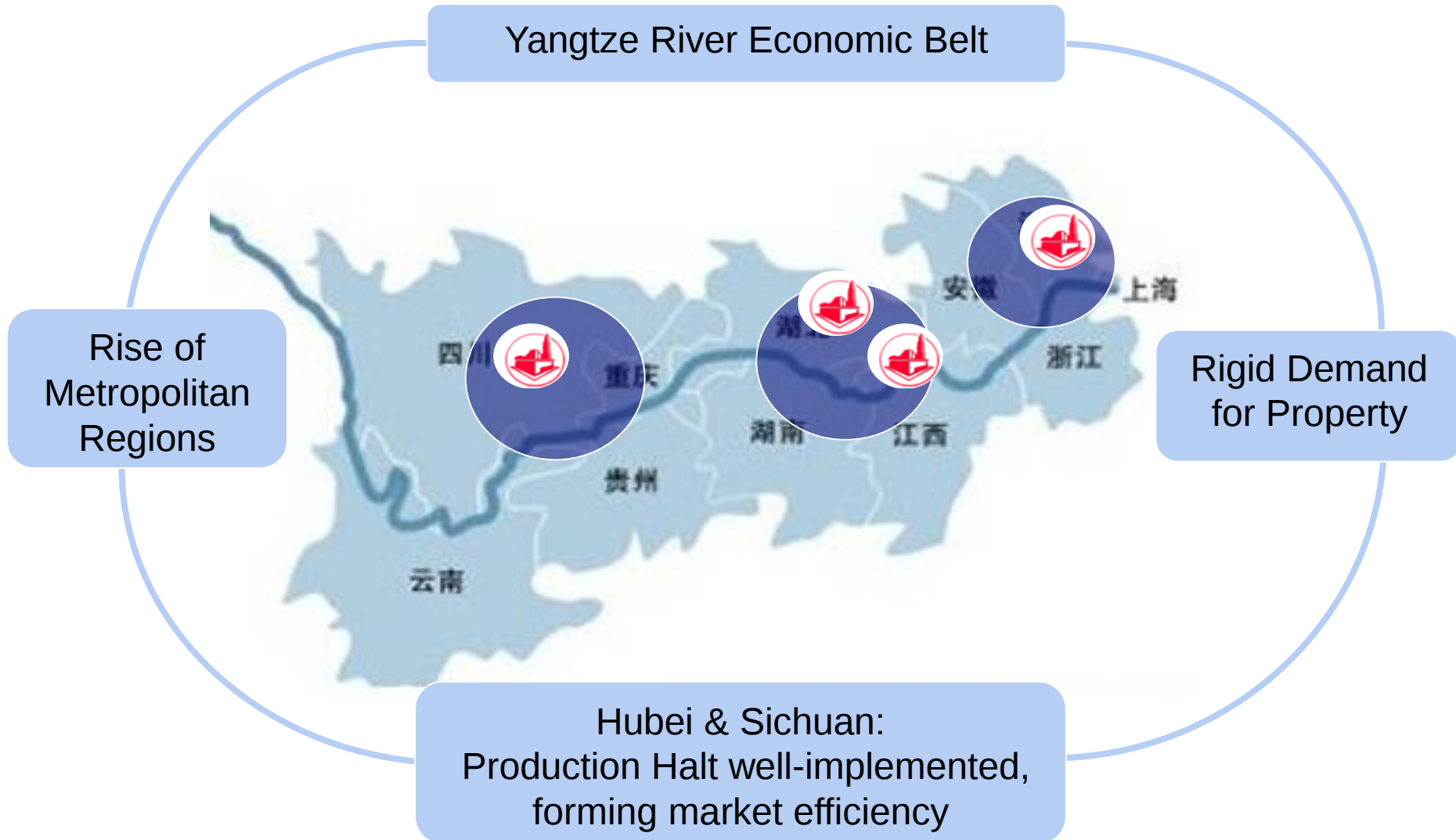
Energy Consumption and Emission



Unit: mg/m ³	SO ₂		NO _x		Dust Particles	
	2018	2019	2018	2019	2018	2019
ACC Jiangxi	59	63	282	267	16	9
ACC Hubei	18	25	252	198	8	8
ACC Sichuan	4	6	130	85	5	5
National Standard	200		400		30	
Special Limit	100		320		20	
Ultra-low Standard	35		100		10	

Note: Averaged by capacity

AC(China): Foreseeable Solid Regional Demand



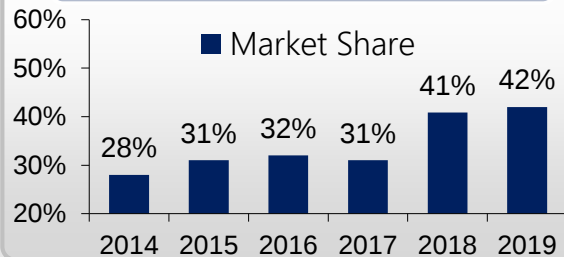
AC(China) Strategy: to Dominate Locally



2019: Capacity Rank top 10 nationwide

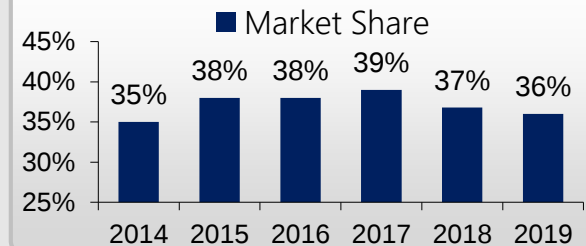
Capacity : 11 mt / year

Chengdu - Sichuan



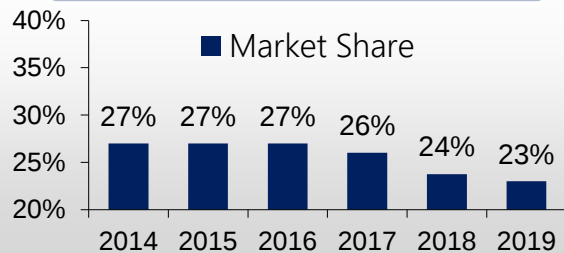
Capacity : 14 mt / year

Jiujiang - Jiangxi

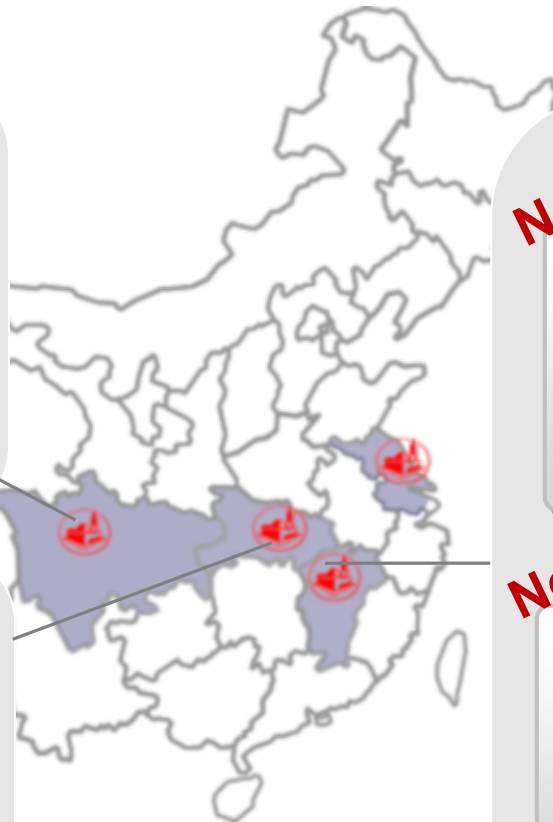
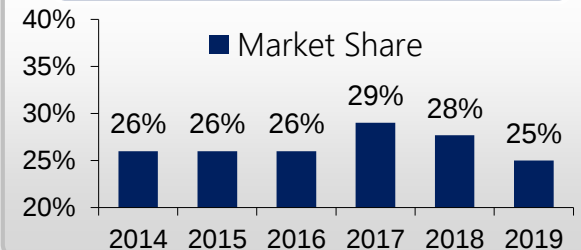


Capacity : 8 mt / year

Wuhan - Hubei



Nanchang - Jiangxi



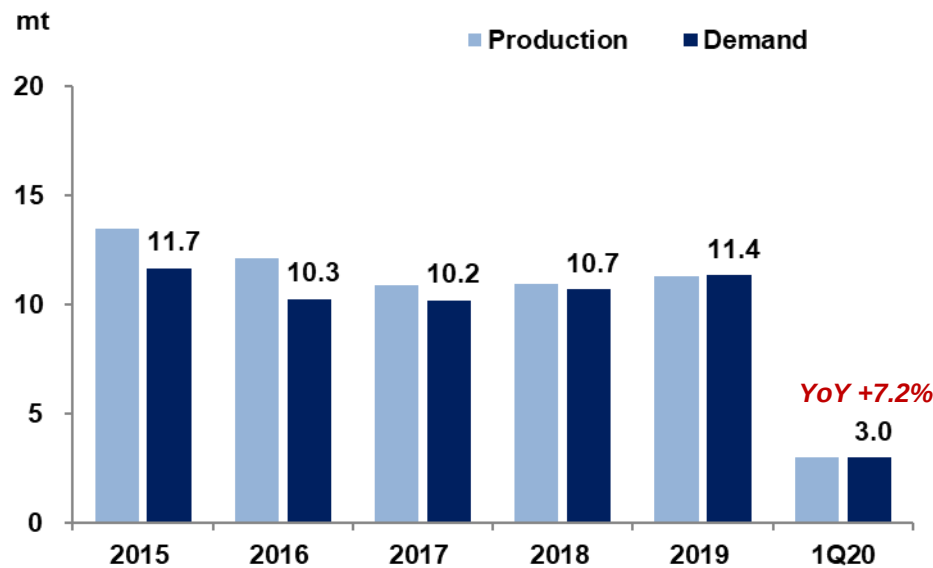


Taiwan Market Overview

TW Cement Market: Sophisticated and Highly Concentrated

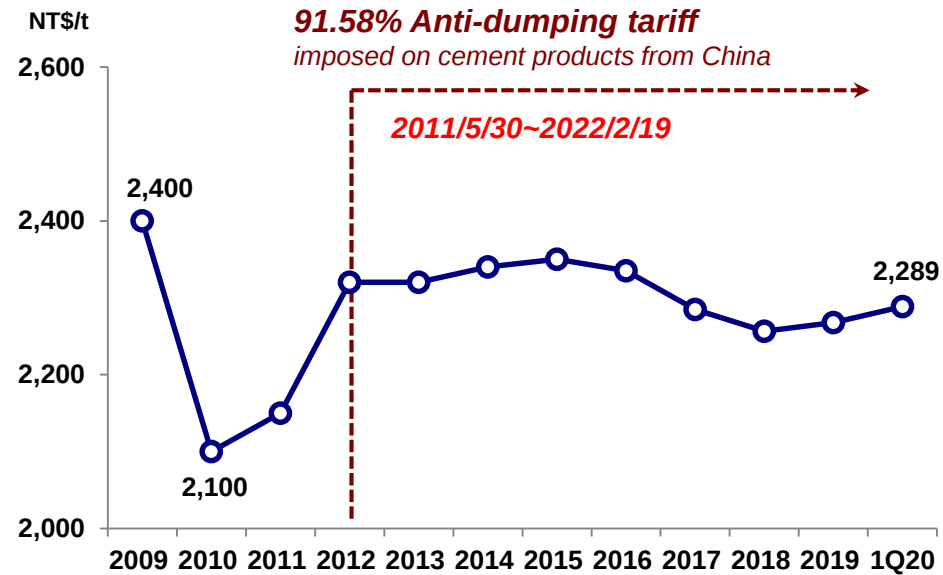


Mature and net export cement market



- Demand bottomed in 2017 due to private sector weakness.
- Catalyst: NT\$420 billion infrastructure budget from 2018~2021

Oligopoly keeps ASP steady

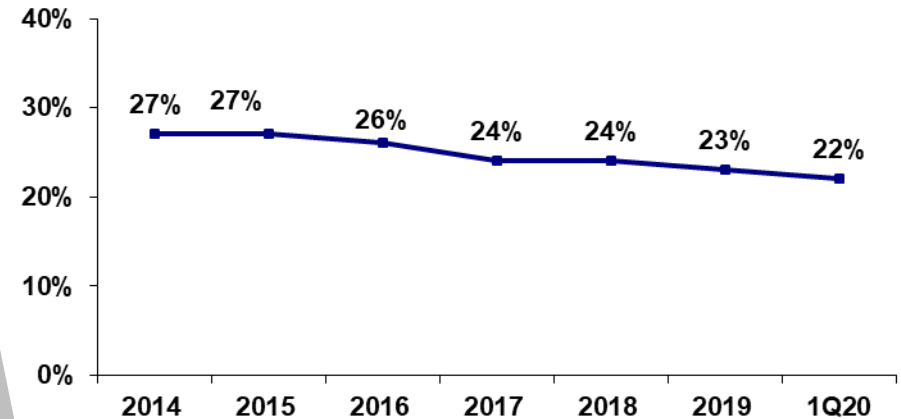


- **ACC & TCC dominate 75% of production**
- ASP remains steady since anti-dumping tariff blocked import from China

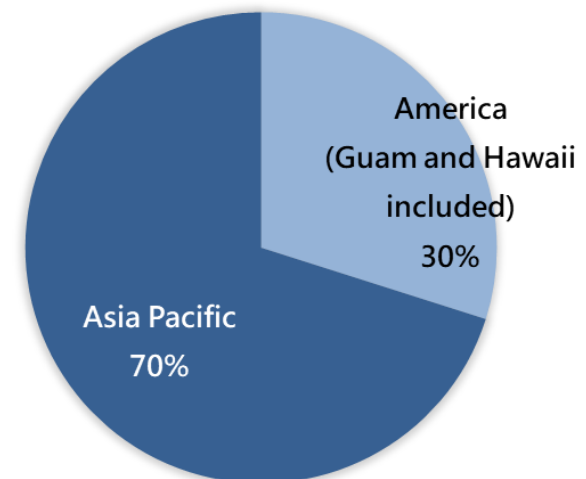
ACC: 2nd Largest Cement Player in Taiwan



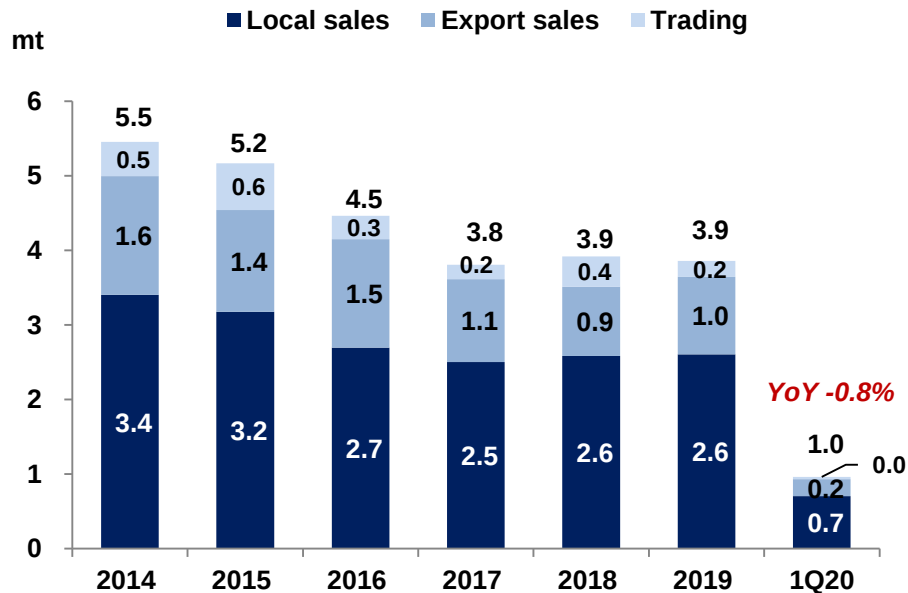
• Domestic market shares



• 1Q20 Export market coverage



• ACC: Cement & Clinker Sales Volume

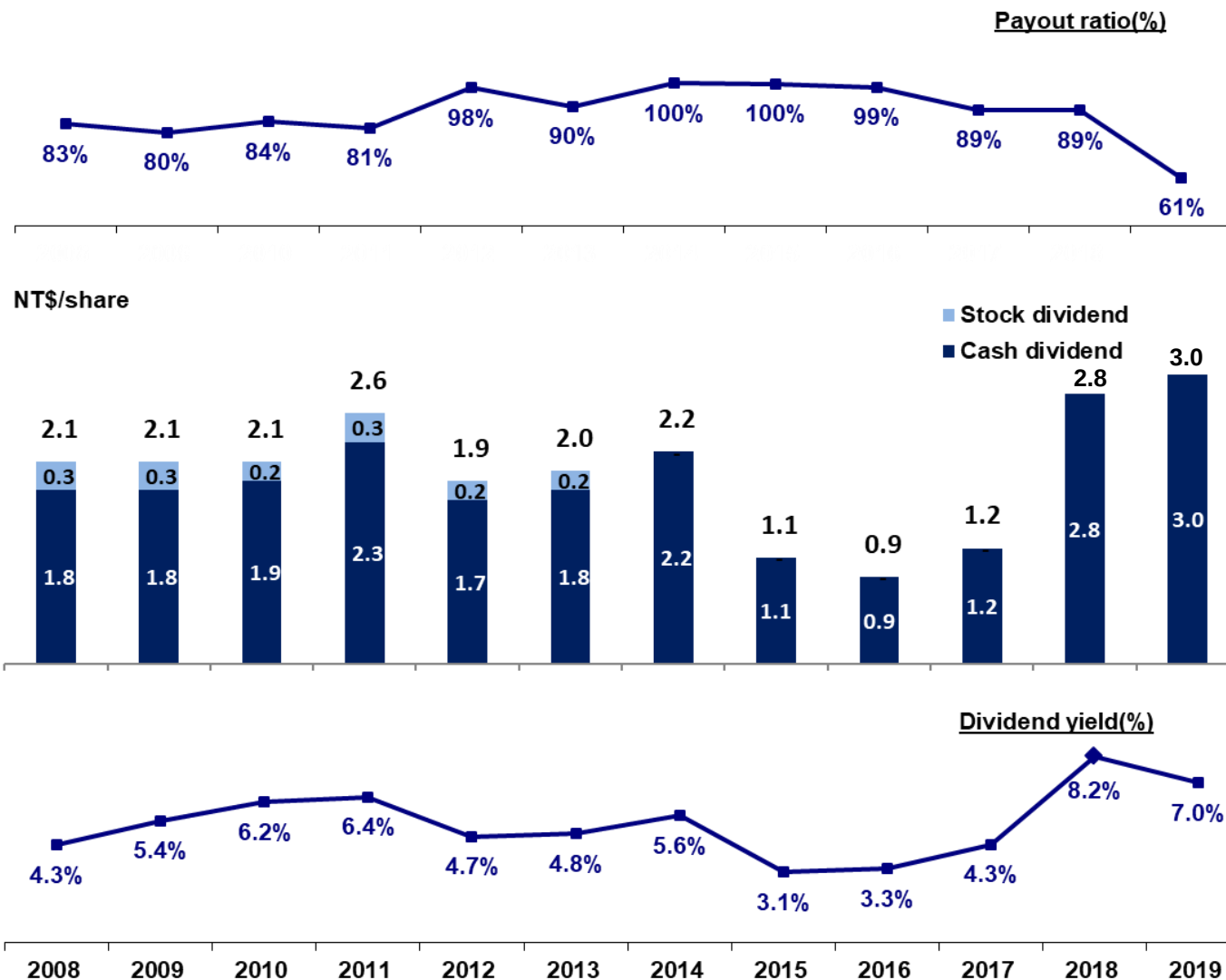


- Stable local market share and shipments
- Pressure from imports still exists.



Dividend & Financials

Steady Payout with Enjoyable Yields



Note1: Payable EPS= Net income – Investment property adjustment

Note2: Dividend yield= Cash dividend / Last 12-month average share price

Summary of P&L



NT\$ mn

	1Q20	1Q19	YoY	2019	2018	YoY
Operating Revenue	13,139	19,386	-32%	89,348	82,741	8%
Operating Cost	10,441	14,727	-29%	63,747	61,585	4%
Net Gross Profit	2,698	4,659	-42%	25,601	21,156	21%
SG&A expenses	676	881	-23%	3,523	3,018	17%
Operating profit	2,022	3,778	-46%	22,063	18,153	22%
Non-operating income(net)	(453)	966		6,330	2,217	
Equity Income	158	335	-53%	5,490	4,144	32%
Net Interest Expense	(81)	(262)		(695)	(1,303)	
Dividend Income	3	3		451	435	
Gain (loss) on Investment Property	34	35		198	98	
Gain (loss) on exchange	77	22		(260)	91	
Gain (loss) on FVTPL Financial Assets and Liabilities	(641)	760		1,129	(256)	
Others	(3)	73		16	(992)	
Pre tax Income	1,568	4,743		28,393	20,370	
Tax	438	933		6,149	5,481	
Net income	1,131	3,810	-70%	22,244	14,889	49%
Profit Attributable to Owners of Parent	744	2,929	-75%	17,460	11,117	57%
EPS (NT\$/share)	0.24	0.93	-75%	5.56	3.54	57%
Gross margin	20.5%	24.0%		28.7%	25.6%	
Operating margin	15.4%	19.5%		24.7%	21.9%	
EBITDA margin	24.7%	25.9%		31.5%	27.6%	
EBITDA	3,250	5,017		28,183	22,803	



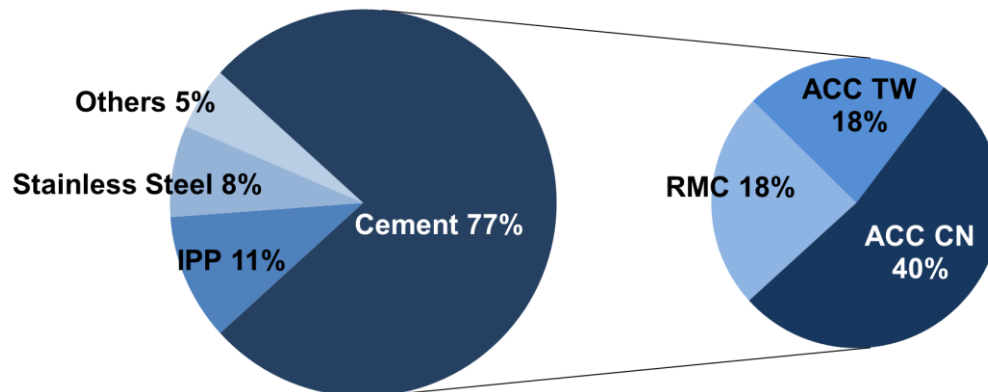
Performance by Segments

NT\$ mn

Note: Cement revenue= Taiwan cement operation(cement, RMC and other downstream value chain) + China cement operation

	1Q20	1Q19	YoY	2019	2018	YoY
Operating Revenue	13,139	19,386	-32%	89,348	82,741	8%
Cement business	10,116	15,641	-35%	73,849	67,340	10%
Power business	1,390	1,577	-12%	7,115	6,682	6%
Stainless Steel business	1,007	1,649	-39%	5,439	5,677	-4%
Others	626	519	21%	2,945	3,042	-3%
Operating Cost	10,441	14,727	-29%	63,747	61,585	4%
Net Gross Profit	2,698	4,659	-42%	25,601	21,156	21%
SG&A expenses	676	881	-23%	3,523	3,018	17%
Operating profit	2,022	3,778	-46%	22,063	18,153	22%
Cement business	1,663	3,550	-53%	19,974	15,952	25%
Power business	292	245	19%	1,382	1,206	15%
Stainless Steel business	(24)	30	NA	85	120	-29%
Others	90	(48)	NA	622	876	-29%

Revenue (1Q20)





Summary of Balance Sheets

NT\$ mn

	1Q20	2019	2018
Current Assets	98,317	89,242	80,359
Cash&Cash equivalents	29,628	24,735	14,929
Short-term Investments	39,551	31,724	27,170
Others	29,138	32,783	38,259
Non-Current Assets	205,122	208,036	198,829
Long-term Investment	92,957	96,140	88,646
Fixed Assets	87,357	86,858	88,515
Intangible Assets	6,897	7,000	3,695
Other Assets	17,912	18,038	17,975
Total Assets	303,439	297,279	279,188
Current Liabilities	71,389	74,336	62,804
Short-term debt	56,236	55,895	50,655
Others	15,153	18,440	12,150
Non-Current Liabilities	66,218	53,494	57,335
Bonds Payable	19,303	19,281	12,193
Bank Loans	33,606	20,821	33,594
Others	13,309	13,392	11,549
Total Liabilities	137,607	127,829	120,140
Total Shareholders' Equity	165,832	169,449	159,048
Book Value(NT\$/Share)	42.3	43.5	41.0
ROE	10.7%	12.3%	8.4%
Net Debt	39,966	39,538	54,341
Net Gearing Ratio	28.1%	27.1%	39.4%
Net Debt/EBITDA	1.5	1.4	2.4

Note: Net gearing = Net debt / (total shareholders' equity - minority interest)

Summary of Cash Flow Statement



NT\$ mn

	1Q20	1Q19	YoY	2019	2018	YoY
Net Income	744	2,929		17,460	11,117	
Depr&Amort	1,228	1,239		6,120	4,919	
Changes of non-cash WC	2,119	3,852		5,798	(7,479)	
Disposal/(Acquisition) of FVTPL FA ⁽¹⁾	(834)	(436)		5,660	(3,051)	
Other Ope. CF Items	(1,163)	(1,300)		2,234	5,205	
Operating Cash Flow	2,095	6,285	-67%	37,272	10,711	248%
CAPEX	(1,684)	(679)		(3,755)	(4,275)	
Disposal/(Acquisition) of AC FA ⁽²⁾	(7,159)	(2,448)		(8,716)	(9,538)	
Disposal/(Acquisition) of FVTOCI FA	(1,145)	(57)		(275)	(556)	
Other Inv. CF Items	(81)	(2,296)		(2,721)	(90)	
Investing Cash Flow	(10,070)	(5,479)	NA	(15,466)	(14,459)	NA
Changes in Debt/Borrowings	13,018	(56)		254	15,793	
Dividends Paid	0	0		(9,412)	(4,034)	
Other Fin. CF Items	(57)	116		(2,005)	(768)	
Financing Cash Flow	12,961	60	21396%	(11,163)	10,992	NA
Effect of FX	(93)	203		(836)	(54)	
Net Changes in Cash	4,893	1,069	358%	9,806	7,190	36%
Free Cash Flow	410	5,606	-93%	33,517	6,436	421%

Note1: Under the IFRS 9 applied since 2018, mutual fund investment has been classified as operating activities.

Note2: Mainly over 3 months time deposit.

AC(China): Summary of P&L



R\$ mn

	1Q20	1Q19	YoY	2019	2018	YoY
Operating revenue	1,287	2,513	-49%	12,609	11,330	11%
Operating cost	729	1,528	-52%	7,290	6,944	5%
Gross Profit	559	985	-43%	5,319	4,386	21%
Other net income/(loss)	57	46		170	(4)	
Selling&marketing costs	63	99		447	446	
Administrative expenses	185	112		429	316	
Operating income	367	821	-55%	4,613	3,620	27%
Finance costs	53	67		268	244	
Shares of results of jointly controlled entities	(2)	0		5	8	
Pre tax Income	312	753		4,350	3,383	
Tax	92	171		1,120	882	
Net Income	220	582	-62%	3,230	2,501	29%
Profit Attributable to Owners of Parent	210	568	-63%	3,147	2,421	30%
Minority interests	10	14		83	80	
EPS (RMB/share)	0.13	0.36	-63%	2.01	1.55	30%
Gross margin	43.4%	39.2%		42.2%	38.7%	
Operating margin	28.5%	32.7%		36.6%	31.9%	
Net margin	17.1%	23.2%		25.6%	22.1%	
EBITDA margin	45.6%	40.7%		45.4%	39.7%	
EBITDA	587	1,023	-43%	5,724	4,499	27%

Note: According to IFRS, losses on work stoppages, which is the fixed operating cost RMB 115mn in 1Q20, were recognized as operating expense.

AC(China): Summary of Balance Sheets



R\$ mn

	1Q20	2019	2018
Current Assets	14,490	12,620	10,452
Inventories	803	674	726
Trade and other receivables	3,079	3,963	4,105
Bank balances and cash	10,583	7,943	5,009
Non-Current Assets	11,239	11,366	10,271
Property, Plant & Equipment	7,918	8,077	8,598
Total Assets	25,729	23,986	20,722
Current Liabilities	6,539	7,695	4,055
Borrowings- due within one year	4,387	4,770	2,475
Trade and other payables	1,807	2,174	988
Non-Current Liabilities	4,327	1,647	4,225
Borrowings- due after one year	4,105	1,444	4,155
Total Liabilities	10,866	9,343	8,280
Total Equity	14,863	14,643	12,442
Equity Attributable to Parent	14,474	14,264	12,088
Book Value(RMB/Share)	9.2	9.1	7.7
ROE	20.6%	23.9%	22.0%
ROA	12.0%	14.1%	13.0%
Net Gearing Ratio	-14.5%	-12.2%	13.4%
Net Debt	(2,094)	(1,743)	1,615

Note: Net gearing = Net debt / (total shareholders' equity – minority interests)

AC(China): Summary of Cash Flow Statement



R\$ mn

	1Q20	1Q19	<u>YoY</u>	2019	2018	<u>YoY</u>
Net Income				3,147	2,421	
Depr&Amort				1,071	871	
Changes of non-cash WC				240	(1,071)	
Other Ope. CF Items				425	687	
Operating Cash Flow	447	913	-51%	4,883	2,908	68%
CAPEX				(228)	(154)	
Other Inv. CF Items				12	83	
Investing Cash Flow	(20)	410	NA	(217)	(71)	NA
Changes in Debt/Borrowings				(416)	1,727	
Dividends Paid				(971)	(243)	
Other Fin. CF Items				(346)	(252)	
Financing Cash Flow	2,213	(805)	NA	(1,733)	1,232	NA
Effect of FX						
Net Changes in Cash	2,640	519	409%	2,934	4,068	-28%
Free Cash Flow				4,655	2,754	

Shanshui: Summary of P&L



R\$ mn

	1Q20	1Q19	YoY	2019	2018	YoY
Operating revenue	1,833	2,576	-29%	21,479	17,873	20%
Operating cost	1,394	1,894	-26%	14,207	11,949	19%
Gross Profit	439	682	-36%	7,272	5,923	23%
Other net income/(loss)	48	12		337	407	
Selling&marketing costs	81	99		673	528	
Administrative expenses	614	733		2,243	2,023	
Operating income	(327)	(19)	NA	4,693	3,779	24%
Finance costs	84	181		510	778	
Shares of results of jointly controlled entities	2	3		43	46	
Pre tax Income	(408)	(198)		4,226	3,047	
Tax	46	74		1,198	878	
Net Income	(454)	(272)	NA	3,028	2,169	40%
Profit Attributable to Owners of Parent	(383)	(211)	NA	2,973	2,197	35%
Minority interests	(71)	(61)		55	(28)	
EPS (RMB/share)	(0.09)	(0.06)		0.68	0.62	
Gross margin	24.0%	26.5%		33.9%	33.1%	
Operating margin	-17.8%	-0.8%		21.8%	21.1%	
Net margin	-24.7%	-10.6%		14.1%	12.1%	

Shanshui: Summary of Balance Sheets



R\$ mn

	1Q20	2019	2018
Current Assets	6,420	6,217	5,858
Inventories		1,995	1,459
Trade and other receivables		1,937	2,127
Bank balances and cash		1,364	1,304
Non-Current Assets	20,040	20,611	20,215
Property, Plant & Equipment		18,331	18,131
Total Assets	26,460	26,828	26,073
Current Liabilities	11,305	11,182	13,228
Borrowings- due within one year		3,911	5,919
Trade and other payables		3,742	3,240
Non-Current Liabilities	2,985	3,046	3,258
Borrowings- due after one year		2,249	2,501
Total Liabilities	14,290	14,227	16,486
Total Equity	12,170	12,600	9,586
Equity Attributable to Parent		12,497	9,522
Minority interests			64
Total Liabilities & Shareholders' Equity			26,073
Book Value(RMB/Share)		2.9	2.2
ROE		27.0%	32.7%
ROA		11.2%	8.6%
Net Gearing Ratio		36.5%	71.8%
Net Debt		4,567	6,839

Note: Net gearing = Net debt / (total shareholders' equity – minority interests)

Shanshui: Summary of Cash Flow Statement



R\$ mn

	2019	2018	<u>YoY</u>
Net Income	2,973	2,197	
Depr&Amort	1,533	1,395	
Changes of non-cash WC	(181)	(1,645)	
Other Ope. CF Items	(158)	234	
Operating Cash Flow	4,167	2,180	91%
CAPEX	(1,105)	(713)	
Other Inv. CF Items	(461)	(136)	
Investing Cash Flow	(1,567)	(849)	NA
Changes in Debt/Borrowings	(2,563)	(1,639)	
Issuance of Common Stock	0	339	
Dividends Paid	0	0	
Other Fin. CF Items	9	952	
Financing Cash Flow	(2,554)	(349)	NA
Effect of FX	14	13	
Net Changes in Cash	46	983	-95%
Free Cash Flow	3,061	1,467	



CSR Achievement



**Taiwan Corporate
Sustainability Awards:**
2018 Top 50



FTSE4Good
TIP Taiwan ESG Index



**Included as a member of
the FTSE4Good TIP
Taiwan Index by FTSE
Russel**



AREATM
— ASIA —
RESPONSIBLE
ENTERPRISE AWARDS

**Asia Responsible
Entrepreneurship Awards:**
Winner of Green Leadership



5 years listed in
“Taiwan Corporate Governance
100 Index” and
“Taiwan High Salary 100 Index”
by **TWSE**



Ministry of Economics Affairs:
6 times award winner of
Excellent Company in GHG
Reduction

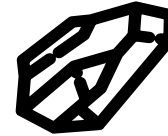


Carbon Disclosure Project:
2018 B List



Local Communication

- Conducting “mining area safety” hearing in Fushi village.
- Create LINE group talk for instant message and communicating.



Mining Area Safety

- Feelingless explosion : Vibration value under 1.5mm/s.
- Water draining and flood detention.
- Slope stability enhancement.



Mining Mountain Greenery

- Mimic natural eco vegetation.
- 23.7 thousand tons of CO₂ reduction.
- 25% waste heat power used in the plant.



Community Caring

- 25% aboriginal hiring in Hualien plant.
- Electric bill subsidy and property repair.
- Promoting tribe education.



Awards/Recognition



- Jiangxi Yadong and Huanggang Yadong awarded the third prize of **Green Mines Techniques** by **Green Mine Industry Alliance**
- Jiangxi Yadong awarded the name **Remarkable Eco-friendly Cement Corporation** by **China Cement Association**
- AC(China) assessed by **China Building Materials Federation** to be the **Demonstration Company of Energy conservation and Emission Reduction**



Low-carbon Green Intelligent Manufacturing

- Greatly **reduce the use of ammonia water and NO_x** by applying the denitrification techniques of low-nitrogen combustion.
- Reduced the amount of clinker used and saved electricity, equivalent to **decrease of 0.21mt on CO₂ emission** in 2018.
- **29.6% waste heat** power used in the plant.
- Emissions of pollutants all **above the national requirements**.



Sustainable Mines

Completed the experimental scheme for **green mines** in 2018.



Circular Economy

Disposed **12 thousand tons** of wastes in 2018 and strictly follow **classification, recycling, and reuse**. Actively engage in waste co-processing.



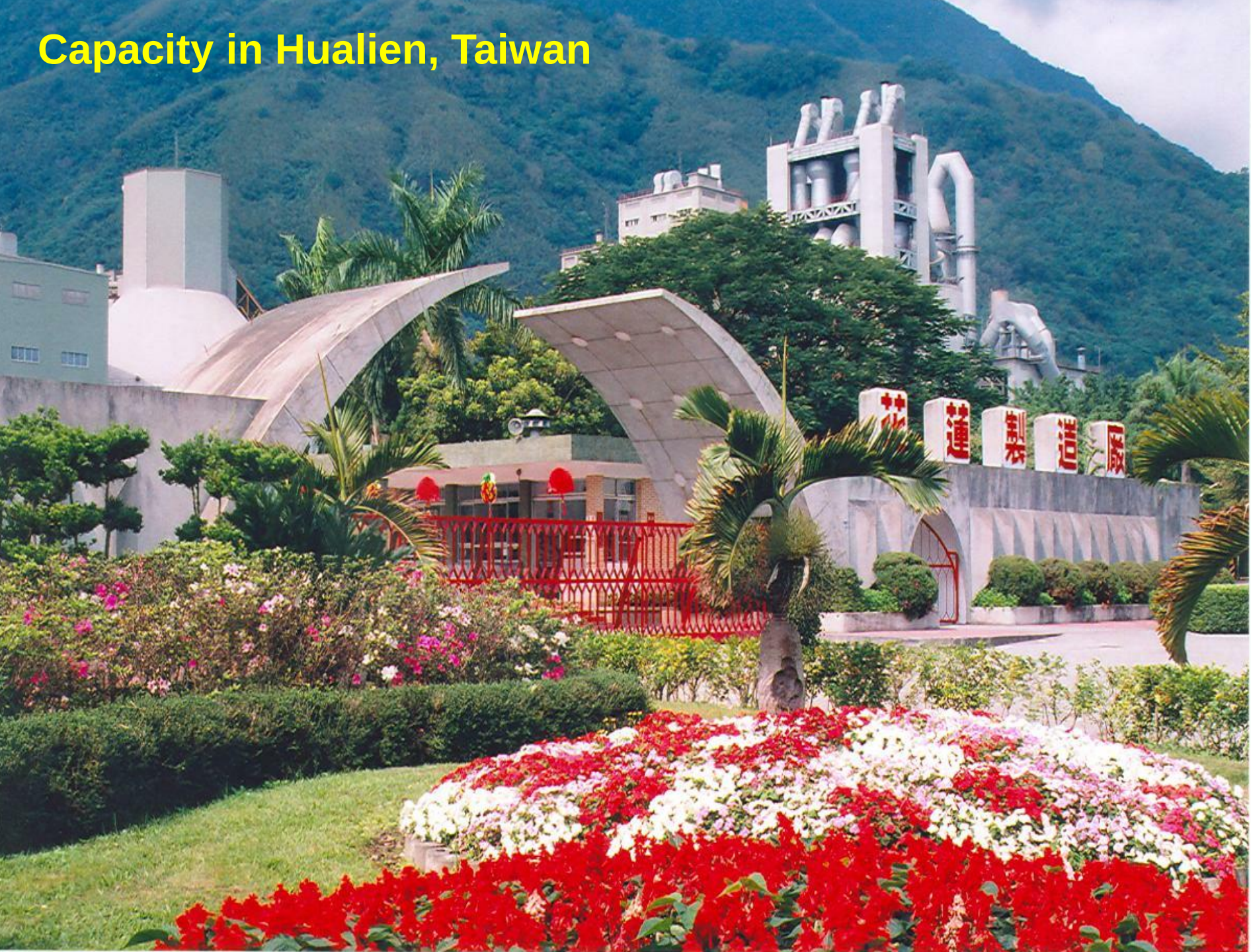
Social Care

Donate cement to the neighboring communities, **help the disadvantaged**, and actively participate in charity activities.

Capacity in Jiangxi, China



Capacity in Hualien, Taiwan





Thank you

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Q&A: Mining Concerns



**ACC Eco-friendly
Achievements**



Download: ACC Financials