

# J.P.Morgan





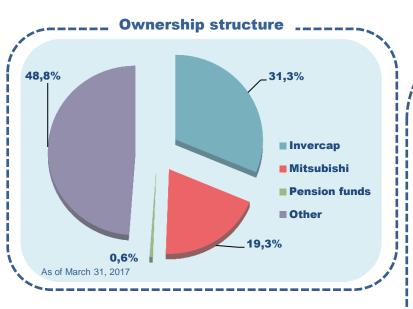




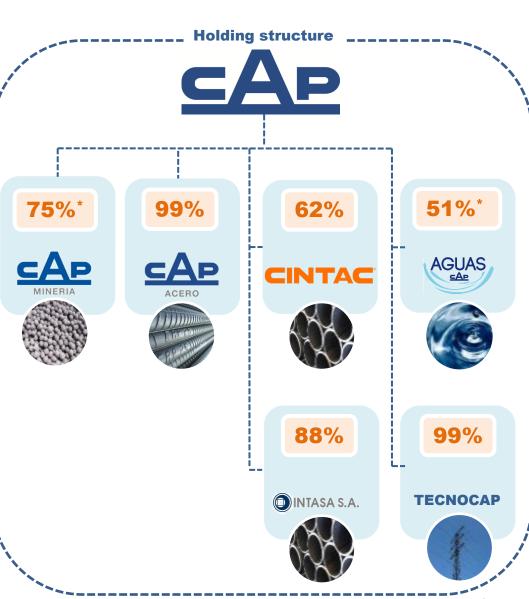
**Southern Cone & Andean Opportunities Conference April 2017 – Santiago, Chile** 

#### **CAP** at a glance













# Iron ore mining

#### **Mining sites**



CAP Mining has **three different areas of operation** in the north of Chile, located around the cities of **Copiapó**, **Vallenar** and **La Serena** 







## **Copiapo Valley: Punta Totoralillo port**





## **Copiapo Valley: Desalination plant**





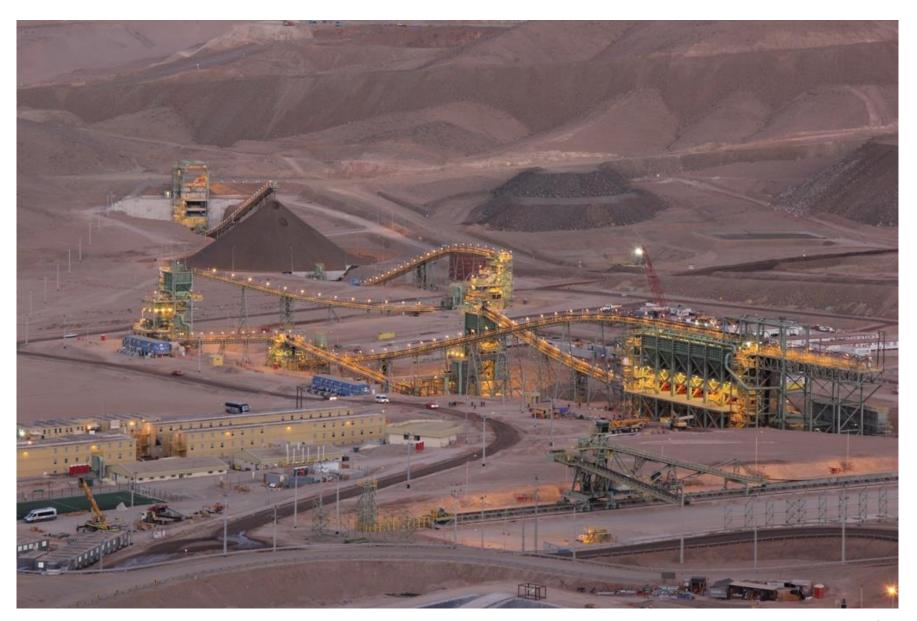
## **Copiapo Valley: Magnetite plant**





## **Copiapo Valley: Cerro Negro Norte mine**





## **Huasco Valley: Guacolda II port**





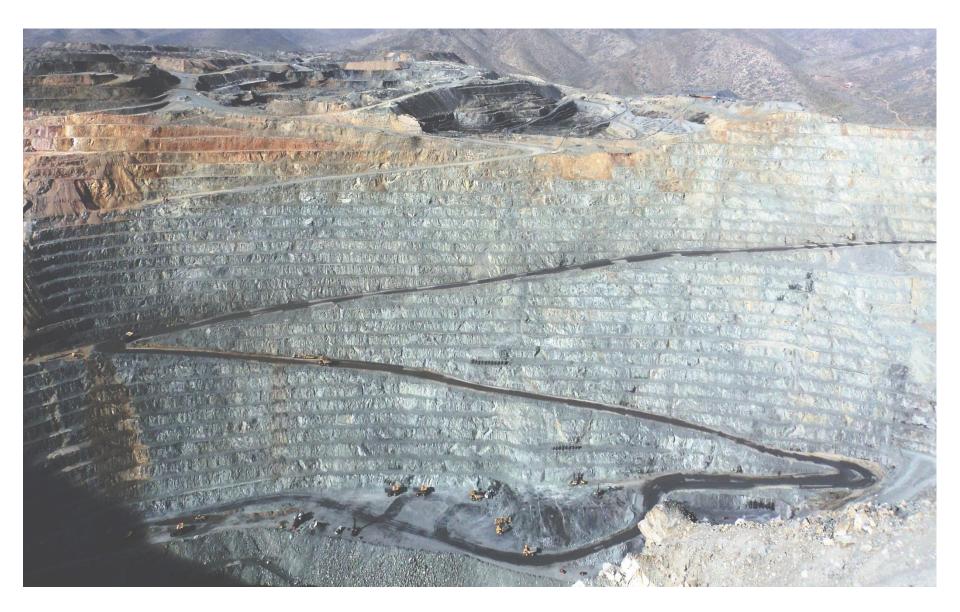
## **Huasco Valley: Pellets plant**





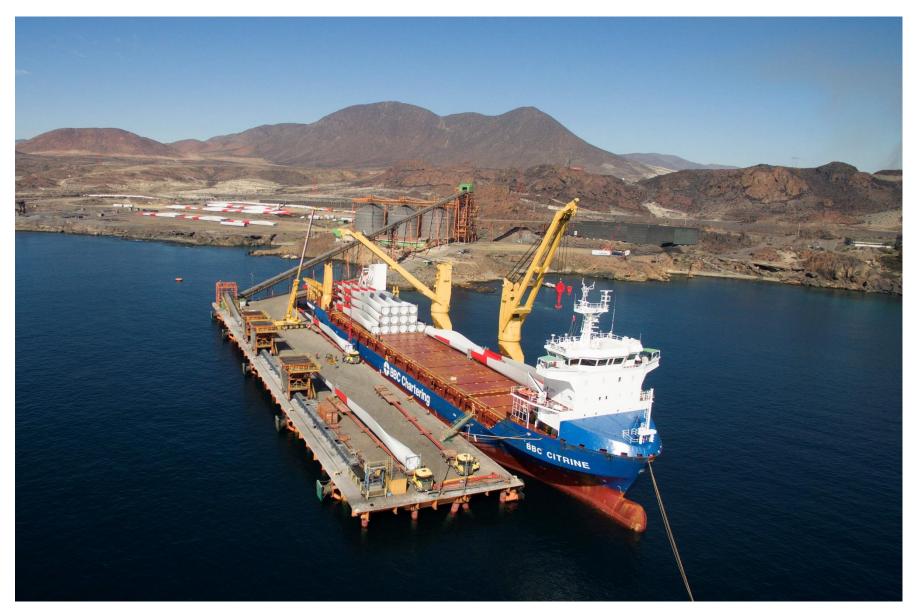
## **Huasco Valley: Los Colorados mine**





## **CAP – Agrosuper asset: Las Losas port**





## **Elqui Valley: El Romeral mine**





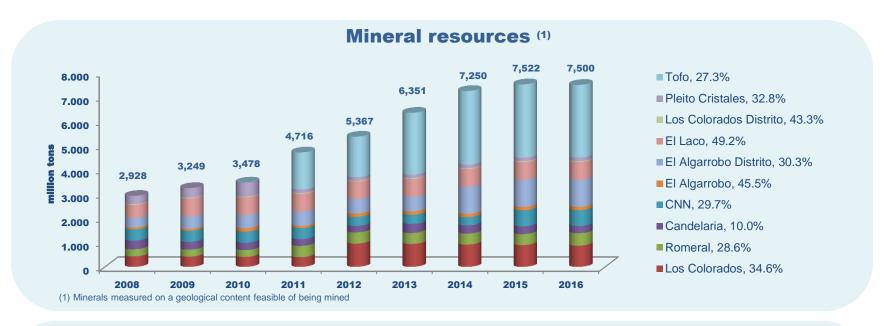
## Elqui Valley: Guayacán port





#### Resources and reserves of magnetic ore







#### **Mining products**





**BF and DR Pellets 65% to 67% Fe content**Subject to pellet
premium and
premium per 1% Fe



**Lumps 62% Fe content**Subject to lump
premium



Pellet feed 66% to 69% Fe content Subject to premium per 1% Fe



Fines
62% to 63% Fe
content
Subject to premium
per 1% Fe

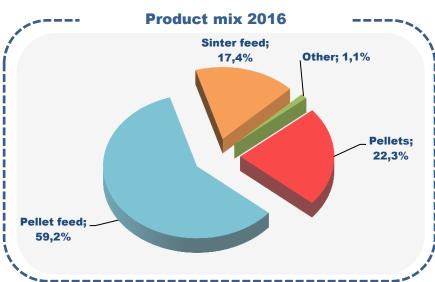
#### **Iron ore shipments and markets**





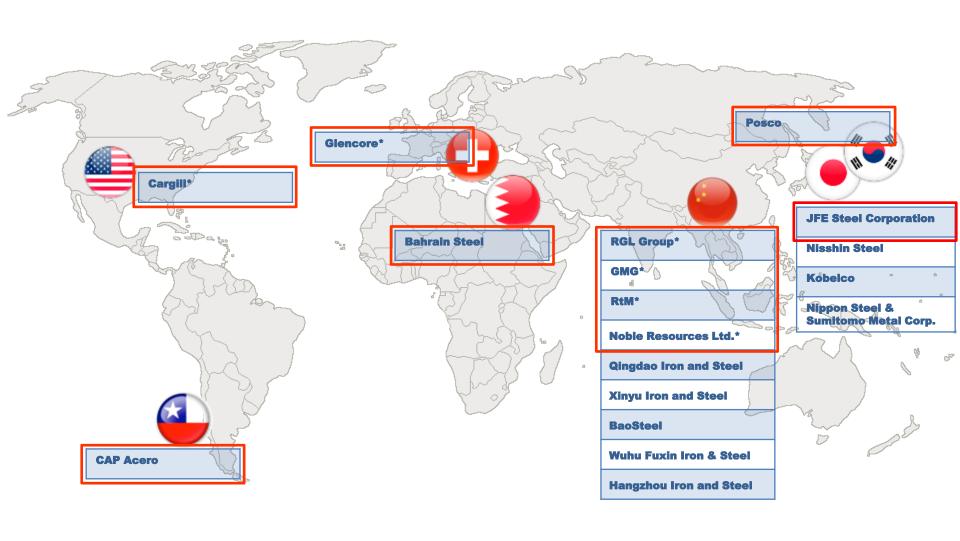






#### **Main clients**









# **Steel production**

#### **Focus on long steel products**



- Steel business reorganization to produce 700 kt/y, with one blast furnace
- Strong adjustment in its industrial processes and workforce lowering costs and expenses
- Sustainable growth in long products demand mainly due to the need of grinding media supply to the mining sector



#### **Grinding bars**

For high quality grinding balls in the mining industry

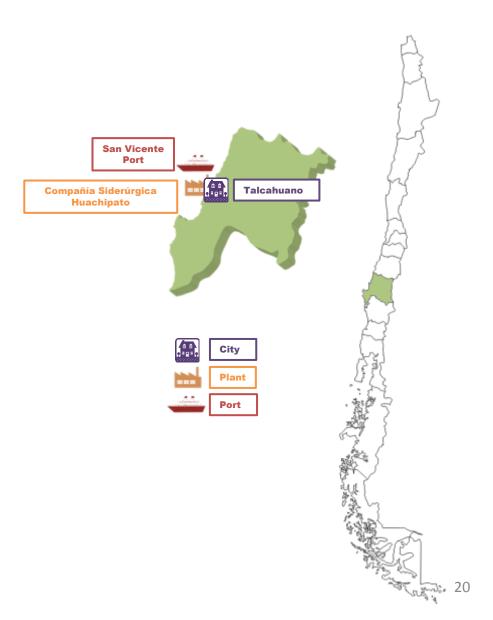


#### **Reinforcing bars**

Coils or straight bars for construction, earthquake resistant

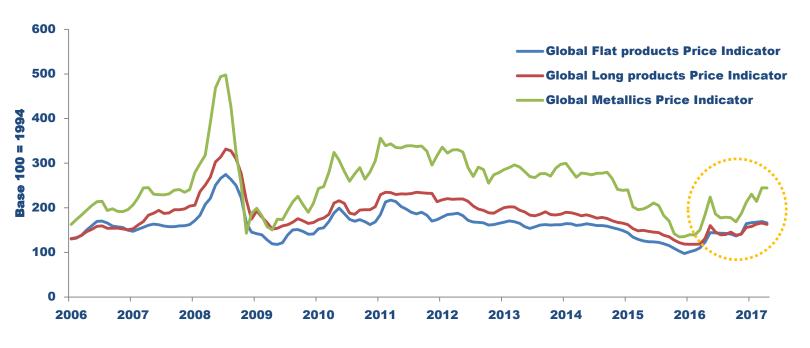


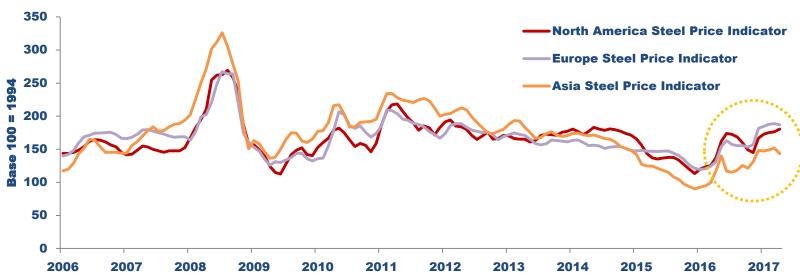
Wire rod
Mesh and drawing quality



#### **Global steel prices evolution**



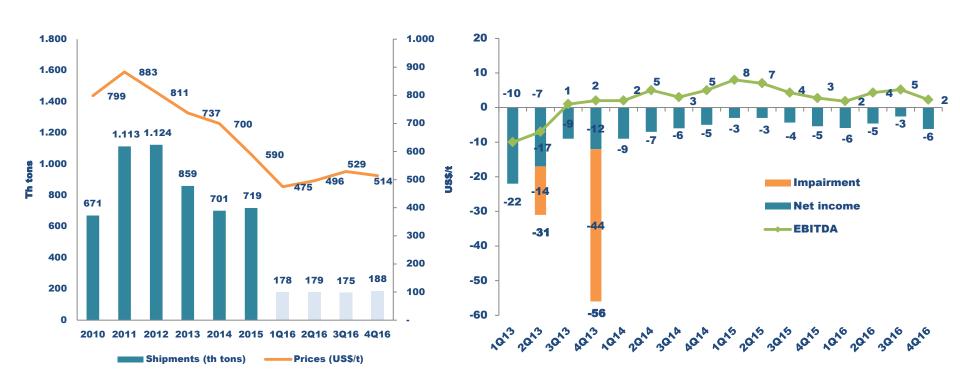




#### **Recovery of cash generation (EBITDA)**



- Even though steel prices have shown a slight recovery during 2016, Compañía Siderúrgica Huachipato has not been able to show profits
- The steel company has managed to generate positive cash flow over the last 14 quarters due to the reorganization and adjustment in industrial processes, but the lack of protection in the Chilean market is not only impacting prices but also the steel volumes, deteriorating margins



#### **Steel safeguards and antidumping duties**



Due to the openness of the Chilean economy, CAP Acero is competing with international steel prices, highly influenced by Chinese imports at prices well below market benchmarks



□ Chilean authorities imposed an antidumping duty of 38.0% for Chinese wire rod for a period of one year, starting in April 2017. Wire rod represents 20% of CSH's production



□ Additionally, in November 2016 an antidumping duty of 9.8% for Mexican rebar was granted by Chilean authorities for a period of 1 year. Rebar accounts for 30% of CSH's production



☐ In January 2017, CAP Acero filed the necessary information to raise the case for Chinese grinding bars antidumping duties.

Grinding bars are 50% of CSH's production

#### **Location and logistics**





Strategic location and logistics at San Vicente Bay in the VIII region of Chile





 Large extension of land of 400 ha where the steel mill operates and 300 ha of forest available for real estate use





# Steel processing

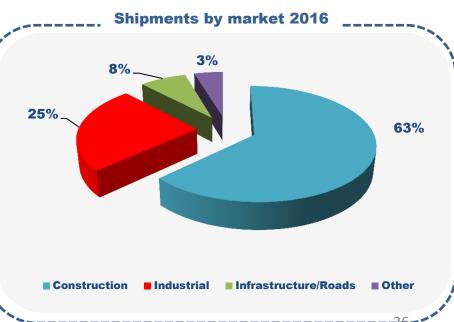
#### **Steel processing**

CAP

- Creates value-added solutions for the construction, industry and infrastructure sectors in Chile, Peru and Argentina
- Transition to innovative solutions for industrial (electricity self-generation through photovoltaic warehouse roof designs) and residential construction
- Chile is LATAM's most intensive user of steel in construction
- Main flat steel importer of the Pacific coast of South America







#### Adding value through steel processing





#### Vine stakes

Galvanized steel profiles to lead crops growth are structures strong enough to resist the mechanization process of harvests

# Photovoltaic plant Cintac Maipú

The biggest "on roof" in South America



# **Steel structures** for solar panels

Supplier of steel structures to mount solar panels in different photovoltaic plants in the country

#### **Metalcon** ®

The METALCON® construction system consists of galvanized steel profiles for various structural applications





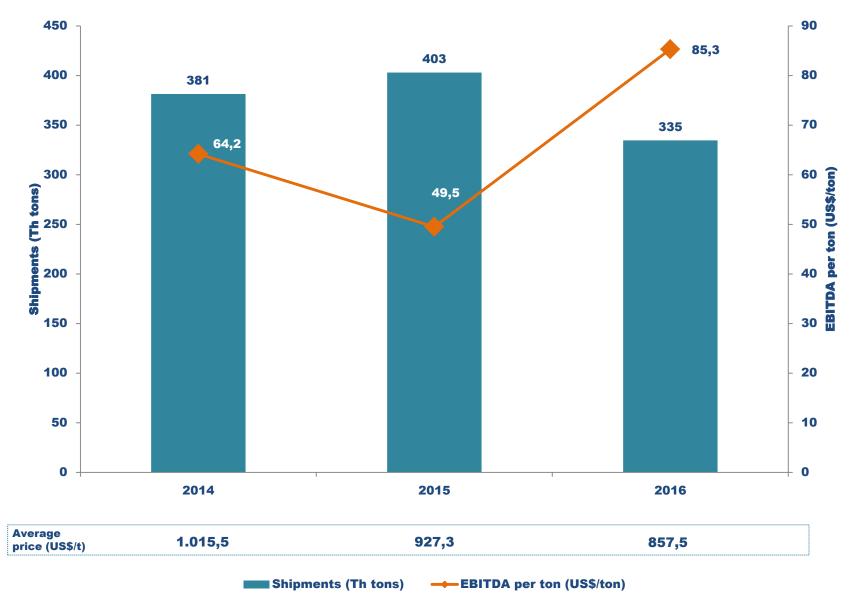
## **Adding value through steel processing**





#### Lower volumes...higher margins









# Infrastructure

# **Infrastructure business providing stable support to the CAP group**



US\$ million	2015	2016
EBITDA	55,5	52,3
Net Income	8,8	14,0



#### Seawater desalination plant

Current desalination capacity of 400 l/s can be increased to 600 l/s

Delivers water to Cerro Negro Norte mine and the Magnetite plant (both owned by CAP Minería) and to the city of Caldera (on behalf of Caserones)



#### Power transmission line

220 kV power transmission line, with an extension of 140 km connecting Amanecer Solar CAP photovoltaic plant, Cerro Negro Norte mine, Punta Totoralillo port, the desalination plant and the national grid



#### **Las Losas port**

Owned 51% CAP and 49% Agrosuper, has a total capacity of 2 million tons per year, with a utilization rate of approximately 30%

Located in Huasco, this multi purpose port has potencial to handle cargoe such as iron ore, limestone, copper, fruit and spare parts and equipment

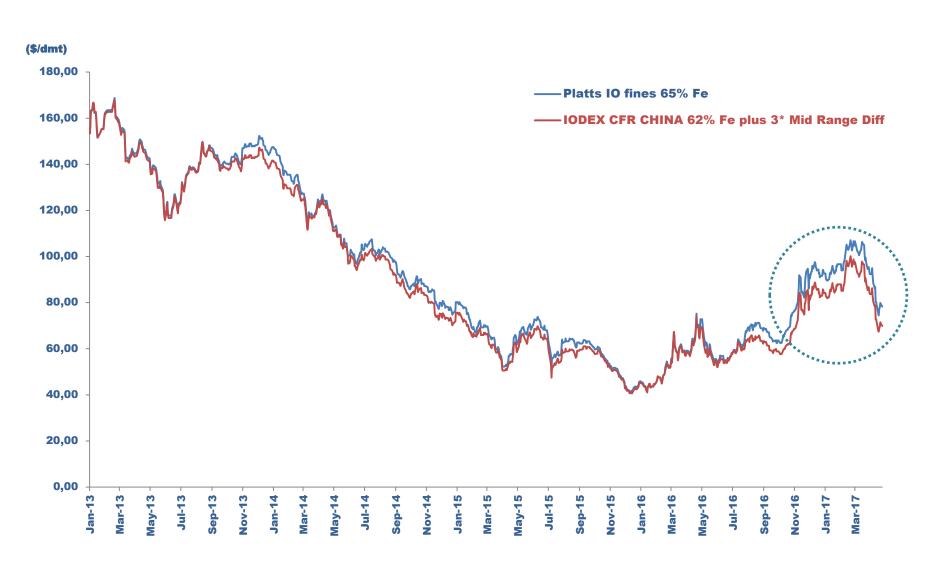




# Global industry update

#### Iron ore price evolution



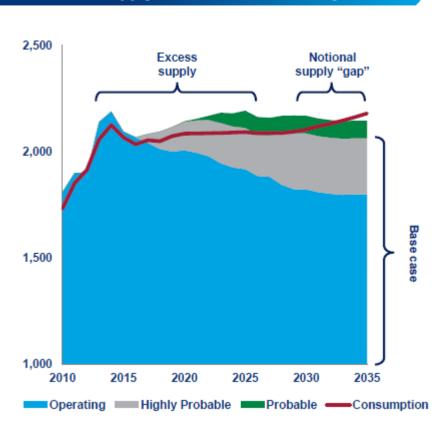


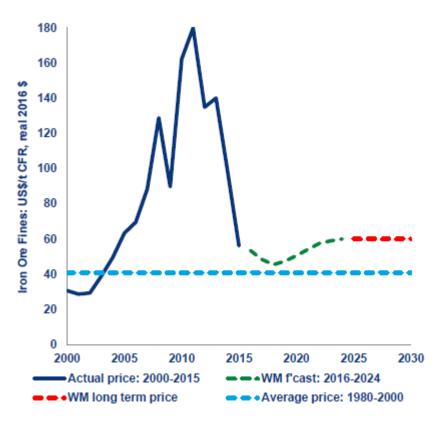
# Iron ore long term trade balance and price forecast



#### No new supply needed for at least 10 years.

#### Price f'cast: it gets worse before it gets better!





# International iron ore price adjustment and CMP's cost reduction (2014)



#### PLATTS DAILY IRON ORE PRICE ASSESSMENTS

#### Platts daily iron ore assessments, December 29

	\$/dmt	Midpoint	Change	% Chg
IODEX 62% Fe CFR North China	67.50-68.50	68.00	0.50	0.74
63.5/63% Fe CFR North China	69.00-70.00	69.50	0.50	0.72
65% Fe CFR North China	76.00-77.00	76.50	0.50	0.66
58% Fe low Al CFR North China	59.00-60.00	59.50	0.50	0.85
58% Fe* CFR North China	55.50-56.50	56.00	0.75	1.36
52% Fe CFR North China	37.00-38.00	37.50	0.75	2.04

<sup>\*</sup>AI = 4.0% max

#### Per 1% differentials (Range 60-63.5% Fe), \$/dmt

	Within Min-Max	\$/dmt	Change
Per 1% Fe	60-63.5% Fe	1.30	0.00
Per 1% Alumina	1-2.5% Al <sub>2</sub> O <sub>3</sub>	0.50	0.00
Per 1% Silica	4.5-6.5% SiO <sub>2</sub>	1.50	0.00
	6.5-9% SiO <sub>2</sub>	1.75	0.00

Source: Platts, December 2014

	2013	2014
CMP's cash cost (US\$/t)	57,4	49,2

# International iron ore price adjustment and CMP's cost reduction (2015)



#### PLATTS DAILY IRON ORE ASSESSMENTS, DECEMBER 31

	\$/dmt	Midpoint	Change	% Chg	
IODEX 62% Fe CFR North China	42.75-43.75	43.25	0.20	0.46	
63.5/63% Fe CFR North China	43.65-44.65	44.15	0.20	0.46	
65% Fe CFR North China	45.45-46.45	45.95	0.20	0.44	
58% Fe low AI CFR North China	38.35-39.35	38.85	0.20	0.52	
58% Fe* CFR North China	34.85-35.85	35.35	0.20	0.57	
52% Fe CFR North China	26.40-27.40	26.90	0.20	0.75	

<sup>\*</sup>AI = 4.0% max

#### PER 1% DIFFERENTIALS (Range 60-63.5% Fe), \$/dmt

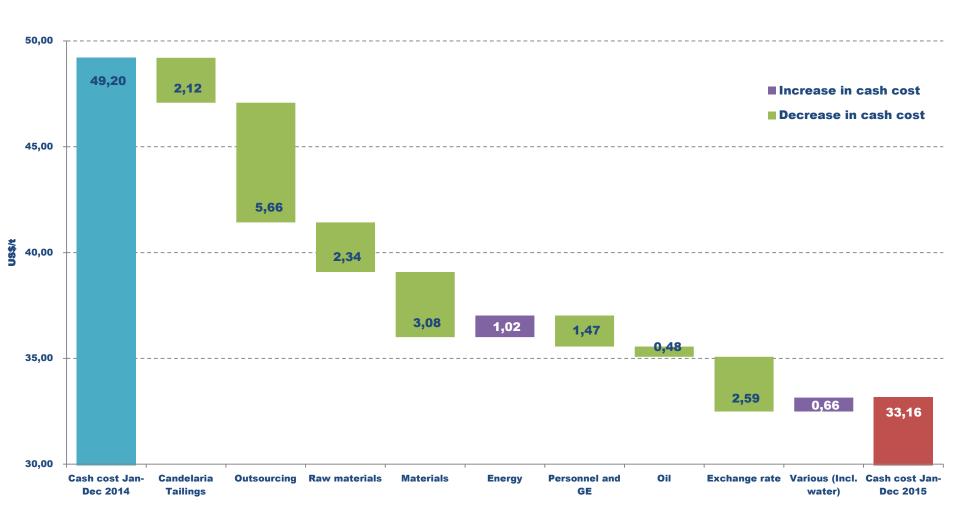
	Within Min-Max	\$/dmt	Change	
Per 1% Fe	60-63.5% Fe	0.70	0.00	
Per 1% Alumina	1-2.5% Al <sub>2</sub> O <sub>3</sub>	0.30	0.00	
Per 1% Silica	4.5-6.5% SiO <sub>2</sub>	0.10	0.00	
	6.5-9% SiO <sub>2</sub>	0.30	0.00	
Per 0.01% Phosphorus	0.09-0.12% P	0.35	0.00	

Source: Platts, December 2015

	2015
CMP's cash cost (US\$/t)	33,2

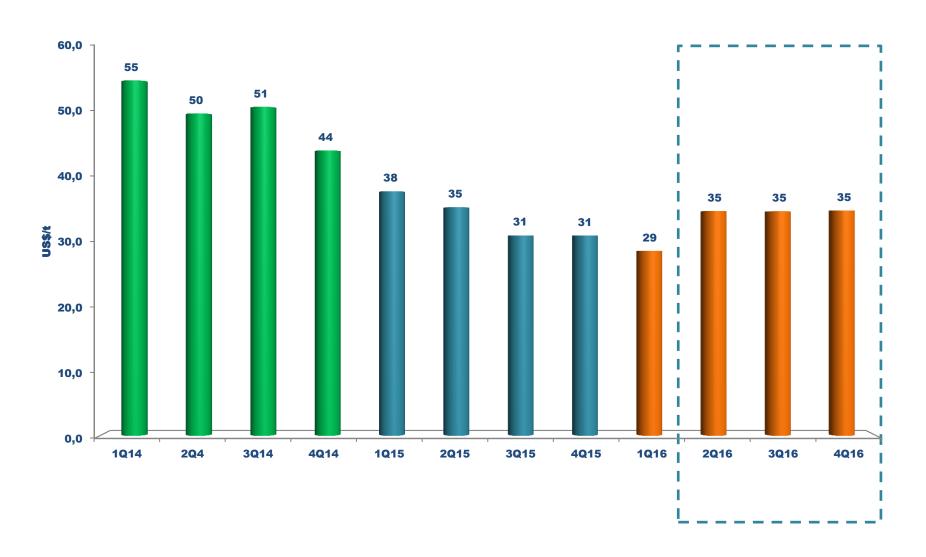
## **CMP's costs and expenses reduction efforts**



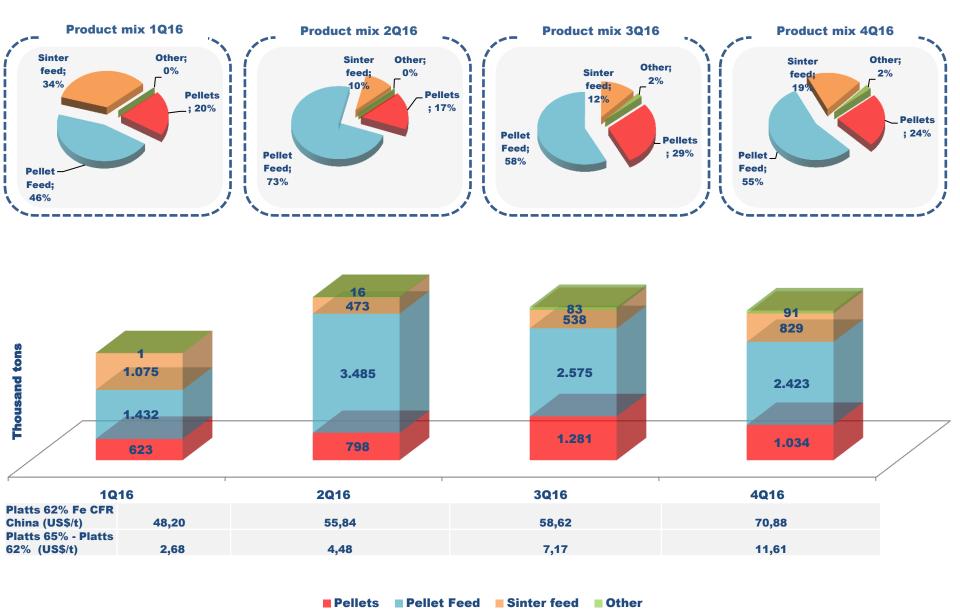


# **Cash cost per quarter**





# Flexibility of CMP's product mix



# Recovery of international iron ore prices and CMP's cost kept at low levels (2016)



#### PLATTS DAILY IRON ORE ASSESSMENTS, DECEMBER 30

	\$/dmt	Midpoint	Change	% Chg	
IODEX 62% Fe CFR North China	79.15-80.15	79.65	-1.10	-1.36	
65% Fe CFR North China	91.15-92.15	91.65	-2.10	-2.24	
58% Fe low AI CFR North China	68.40-69.40	68.90	-1.10	-1.57	
58% Fe* CFR North China	48.40-49.40	48.90	-1.10	-2.20	

<sup>\*</sup>AI = 4.0% max

#### PER 1% DIFFERENTIALS (Range 60-63.5% Fe), \$/dmt

	Within Min-Max	\$/dmt	Change	
Per 1% Fe	60-63.5% Fe	1.50	0.00	
Per 1% Alumina	1-2.5% Al <sub>2</sub> O <sub>3</sub>	0.35	0.00	
Per 1% Silica	4.5-6.5% SiO <sub>2</sub>	1.50	0.00	
	6.5-9% SiO <sub>2</sub>	1.90	0.00	
Per 0.01% Phosphorus	0.09-0.12% P	0.30	0.00	

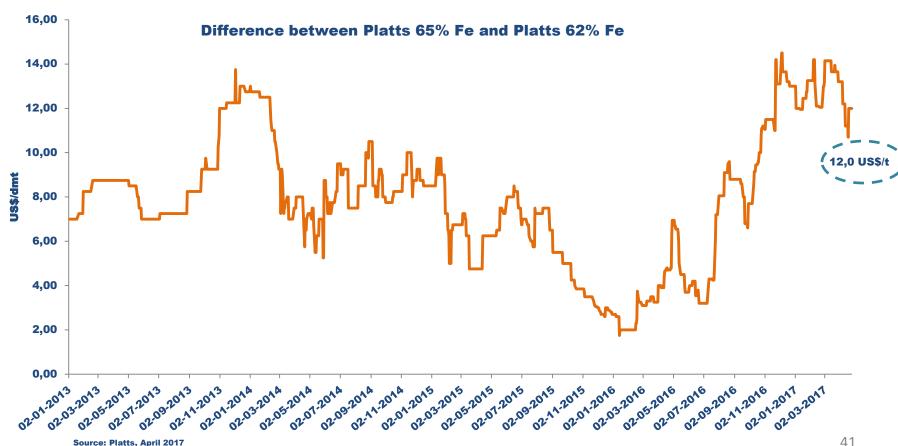
Source: Platts, December 2016

	2016
CMP's cash cost (US\$/t)	33,6

## **Quality premiums are back**



- Premiums for higher quality are reflected by the increase in the difference between Platts 65% Fe and Platts 62% Fe
- The 1% Fe premium currently is at a level of US\$ 1.20 per ton
- The pellet premium of US\$32 per ton in 2016 is projected up to US\$ 45 per ton in 2017



## **Freight rates Brazil - China**









# Financial performance

### **Financial snapshot 2016**



Mining business

Steel business

Steel processing business

Infrastructure business

# Main figures

Sales: US\$ 949 million Gross margin: US\$ 224 million EBITDA: US\$ 342 million EBITDA margin: 36.0%

Sales: US\$ 403 million Gross margin: US\$ 11 million EBITDA: US\$ 14 million EBITDA margin: 3.4%

Sales: US\$ 289 million Gross margin: US\$ 52 million EBITDA: US\$ 29 million EBITDA margin: 9.9%

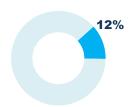
Sales: US\$ 77 million Gross margin: US\$ 36 million EBITDA: US\$ 53 million EBITDA margin: 68.3%

**EBITDA** contribution









# **CAP - Financial evolution**



USD Million	2010	2011	2012	2013	2014	2015	2016
Sales	1.994	2.787	2.470	2.297	1.790	1.475	1.635
EBITDA (L12M)	740	1.184	764	708	381	287	442
EBITDA Margin	37,1%	42,5%	30,9%	30,8%	21,3%	19,4%	27,1%
Net Income	590	442	234	184	56	2	60
Cash	981	883	711	309	348	668	786
Gross Financial debt	1.001	628	719	932	1.270	1.479	1.357
Net Financial debt	20	(255)	8	623	922	811	571
Capex	207	282	777	975	450	60	58
Net Financial Debt/EBITDA	_	_	_	0,88	2,42	2,83	1,29
Iron Ore Shipments (Th tons)	10.213	11.469	12.246	12.086	12.952	14.327	16.757
Platts 62% Fe CFR China (US\$/t)	146,82	169,37	130,08	135,13	96,77	55,41	58,47

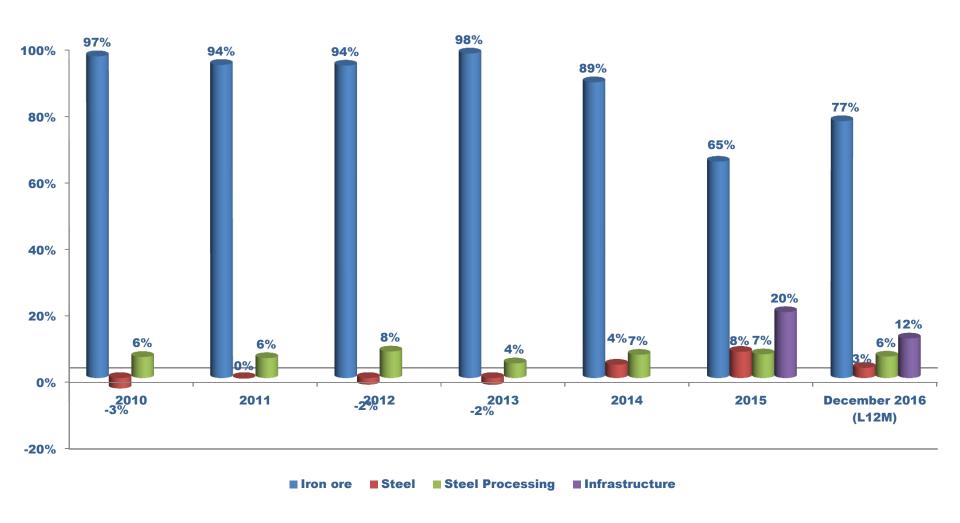
# **CMP - Financial evolution**



USD Million	2010	2011	2012	2013	2014	2015	2016
Sales	1.271	1.770	1.406	1.431	942	662	949
EBITDA (L12M)	782	1.116	720	678	309	182	342
EBITDA Margin	61,5%	63,1%	51,2%	47,4%	32,8%	27,5%	36,0%
Net Income	902	700	355	402	113	19	106
Cash	558	501	205	46	50	177	180
Gross Financial debt	-	-	_	159	483	709	535
Net Financial debt	(558)	(501)	(205)	113	433	532	354
Capex	121	222	655	911	299	31	18
Net Financial Debt /EBITDA	_	_	_	0,17	1,40	2,92	1,04
				·	·	·	·
Iron Ore Shipments (Th tons)	10.213	11.469	12.246	12.086	12.952	14.327	16.757
Platts 62% Fe CFR China (US\$/t)	146,82	169,37	130,08	135,13	96,77	55,41	58,47

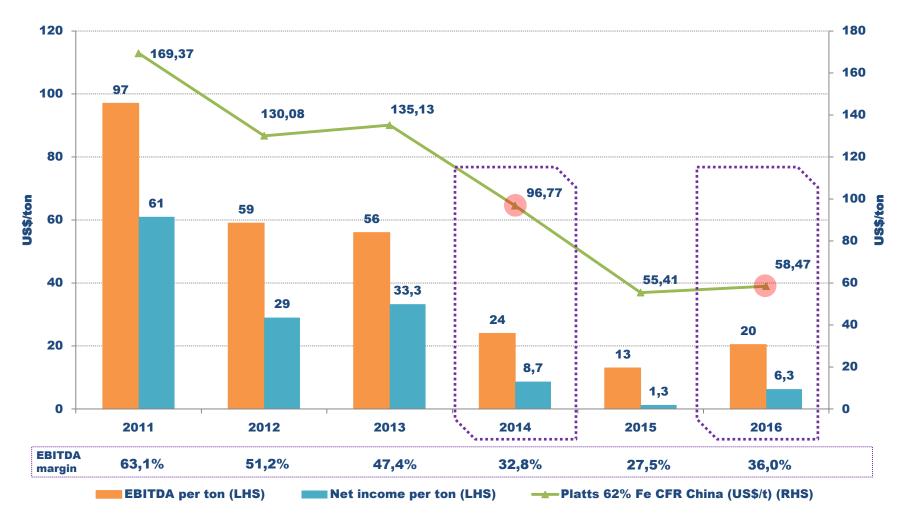
## **EBITDA** contribution per business







# CMP – Continuous optimization and flexibility leads to improved results in spite of significantly lower prices







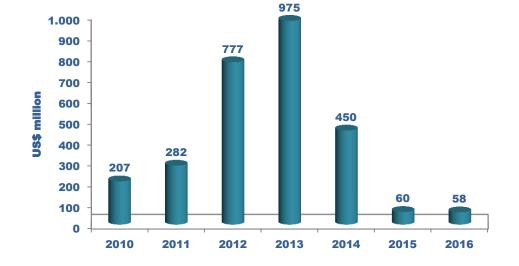
# **Business** outlook

# Protecting CAP's cash flow and liquidity levels



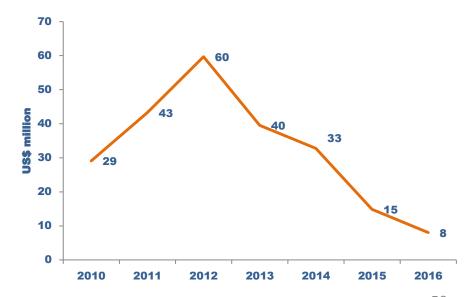
Investment rate has followed a slower pace for the last two years, reaching **US\$60 million in 2015 and US\$58 in 2016,** mainly related to maintenance CAPEX

Capex for 2017 would reach an amount of approximately US\$120 million, explained by the addition to maintenance Capex of investments in port infrastructure to handle copper shipments



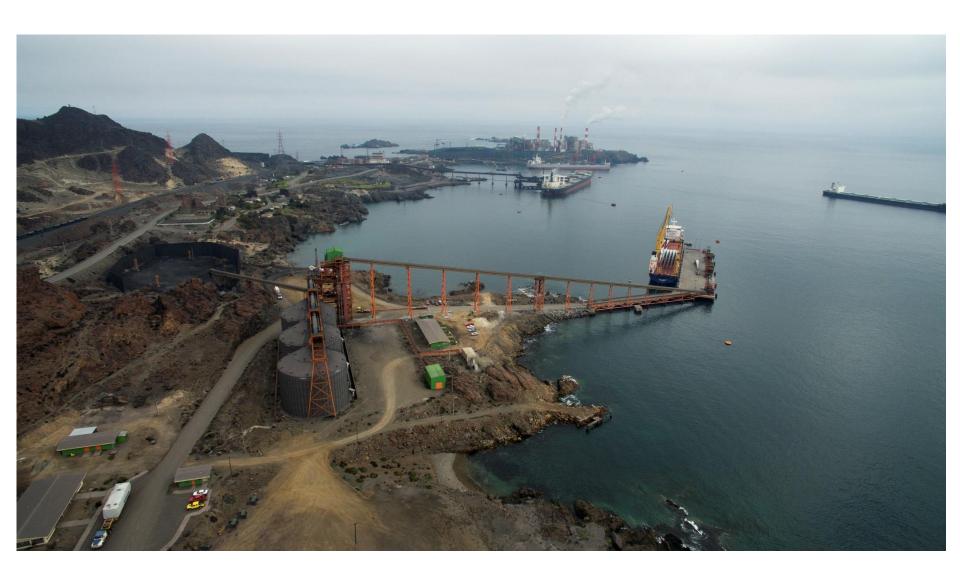
#### **Drilling and exploration expenses reduction**

- Expenses have averaged US\$30 million per year during the last 5 years.
- As of December 2016, this concept amounted to approximately US\$ 8 million



# **Growth potential in ports**





## **Value creation in Las Losas port**



Las Losas port is a **multi purpose port located in Huasco**. It has a capacity of 2 million tons per year.

Its management has been looking for new businesses to improve the utilization rate, signing contracts with **fruit producers to ship their products to USA**, and with **power companies to unload wind mill towers** for their projects in Chile.

Las Losas will be also available to **give services to copper projects** that don't have access to ports and need to export their mineral to China and other destinations.















### **Value creation in Punta Totoralillo port**



- Punta Totoralillo is an iron ore automized port, which provides services to Cerro Negro Norte mine and the Magnetite plant located around the city of Copiapó. It has a capacity of 12 million tons per year.
- A take-or-pay contract with Caserones copper mine was recently signed in November 2016 for handling and shipping its copper production, thus, investments are on its way to develop the capabilities of the port towards copper shipments













# Efforts for growth and value creation – Diversifying to copper





#### **Productora**

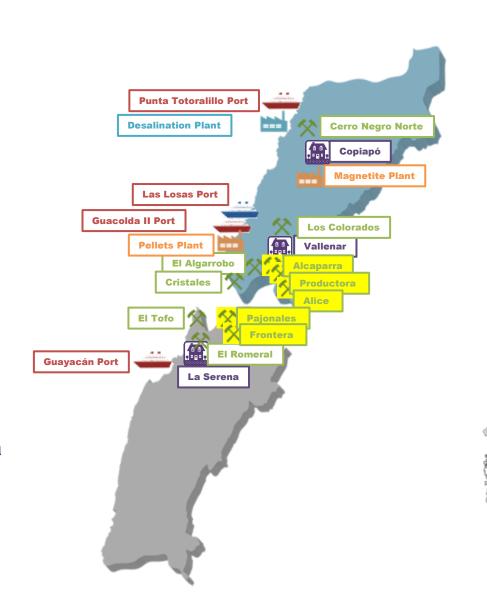
 Pre feasibility study underway

#### **Alice**

 Broadening scope together with Productora

#### **Pajonales/Frontera**

Future prospects



#### **Conclusions**



Under current market conditions, the protection of the company's cash flow and liquidity levels continues to be of the utmost importance. However, the stronger financial position achieved by CAP allows for the consideration of new investment opportunities

Cost reduction initiatives and productivity improvements continue to be at the center of management efforts

#### CAP Mining

- Efficiency plans have resulted in significant cash cost reductions, which together with a high quality product mix are maintaining healthy margins
- Despite the potential volatility in the global environment, the company's improved operational productivity allows for the maintenance of a positive long term view

#### CAP Steel

- · Positive cash generation achieved, continuous cost cutting efforts applied towards profitability
- · Antidumping duties attained from government authorities after providing evidence of unfair competition

#### CAP Steel Processing

- Largest (and growing) flat steel processor in the Pacific coast of South America
- Transition to value added innovative solutions for industrial (electricity self-generation through photovoltaic warehouse roof designs) and residential construction

#### CAP Infrastructure

- Stable business supported by long term contracts
- Growth in the port business



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