# **BEFESA**



**Befesa Business Update** – October 2018

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Q2 and H1 2018 figures contained in this presentation have not been audited or reviewed by external auditors.

This presentation includes Alternative Performance Measures (APMs), including EBITDA, Adjusted EBITDA adjusted EBITDA margin, Reporting Adjusted EBITDA margin, net debt and capital expenditures which are not measures of liquidity or financial performance under International Financial Reporting Standards (IFRS). These non-IFRS measures should not be considered in isolation or as an alternative to results from operating activities, cash flow from operating, investing or financing activities, or other financial measures of our results of operations or liquidity derived in accordance with IFRS. We include APMs in this presentation because we believe that they are useful measures of our performance and liquidity. Other companies, including those in our industry, may calculate similarly titled financial measures differently than we do. Because all companies do not calculate these financial measures in the same manner, our presentation of such financial measures may not be comparable to other similarly titled measures of other companies. These APMs are not audited. All amounts are stated in million euros (€ million) unless otherwise indicated.





CFO since 2014

**Wolf Lehmann** 

CFO; including responsibilities for Operational Excellence and IT

- 20+ years in finance and operational leadership roles
- 50/50 General Electric / Private Equity



**Since 2008** 

**Rafael Pérez** 

Director of Investor Relations & Strategy

 Director of Investor Relations and Strategy of Befesa since 2008 1

## **Recent Developments**

2

Q2 2018 Update

3

### **Befesa Overview**

(Investment Highlights)





Achieved Good Results in H1 2018 with +7% Earnings Growth YoY; S-DAX Entry



**Extended Zinc Hedges until July 2021; Providing 3 Years of Improved Visibility** 



Challenging Market Trends: US Tariffs; Turkish Lira Depreciation; Zinc Price Decrease ... Limited and Manageable Impact on Befesa



2018: Befesa Committed to Single Digit Growth ... Even at Zinc Levels of ~€2,100/t



2019 & Mid-Term: Double Digit Growth Based on Hedges & Growth Projects



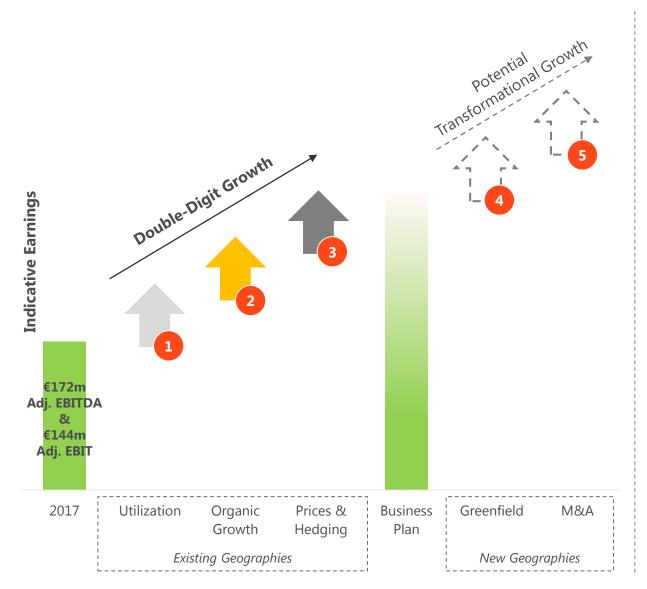
China Expansion: Developing 1<sup>st</sup> Steel Dust Recycling Plant at Jiangsu Province; Purchasing Land Use Right; Expecting Ramp Up of Operations in 2H 2020

## BEFESA

- Solid Q2 2018 with €44.3m EBITDA / €37.0m EBIT, up +7 / +8% YoY respectively driven mainly by higher volumes and continued favorable price environment
- Extended hedges to cover up to H1 2021; Prices secured above €2,200/t; Improving visibility of earnings and cash flows for the next ~3 years
- Distributed 2017 dividend on May 3 at upper end of 40-50% target range of reported Net Profit, equal to €0.73 per share
- Net Profit<sup>(1)</sup> of €44.8m in H1'18, a +€24.8m increase YoY
- Stable capital structure; Leverage<sup>(2)</sup> of 2.4x (vs. 2.4x at YE 2017 / 3.5x at YE 2016)
- Implementation of the next set of organic growth initiatives on track; Continuing to fund the company's successful development in 2019 & beyond
- Befesa will be trading on the SDAX index starting on 24 September 2018



### Accelerated top- and bottom-line growth through a well-defined strategy



- 1 Utilization
  - Increase plant utilization of prior year growth investments mainly Steel Dust Korea
- 2 Organic Growth
  - 2018 Focus:
  - Steel Dust:
    - Expand Turkey +45kt
    - Korea washing plant
  - Aluminium Salt Slags:
    - Change to tilting furnaces
    - Expand Hannover +40kt
- 3 Prices & Hedging
  - 2018: 92.4kt at €2,051
  - 2019: 92.4kt at €2,306
  - 2020: 92.4kt at €2,245
  - H1 '21: 46.2kt at €2,230
- 4 Greenfield
  - Monitoring growth opportunities and regulatory framework in new geographies, e.g.
     South East Asia, China, Russia
- **5** M&A Opportunities

## Signed Agreement with Jiangsu Changzhou Economic Development Zone and Purchasing Land Use Right; Developing 1st Steel Dust Recycling Plant ...



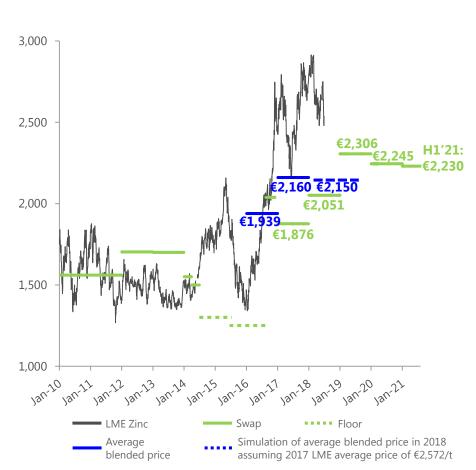
- ✓ Chinese Government Continues to Strengthen Environmental Regulations
- ✓ Steel Dust has been Classified as Hazardous Waste
- > Steel Production from Electric Arc Furnaces Growing and Estimated to Reach 200 mm Tons by 2030

... Befesa Investing in Proven State of the Art 110,000t Facility; Expecting to Complete Ramp Up of Operations in 2nd Half 2020



## Hedging program in place covering up to July 2021: improving visibility of earnings and cash flows for the next 3 years

## **Market Zinc Price vs. Zinc Hedge** (€/ton)



- Extended hedging to cover up to mid 2021
- Increased volume coverage
   Higher volume of 7.7 kt/month or 92.4 kt/year (vs previous 6.1 kt/month or 73.2 kt/year) approx. 70% of zinc equivalent payable output
- Strong hedge price levels of €2,306/t in 2019, €2,245/t in 2020, and €2,230/t in H1 2021

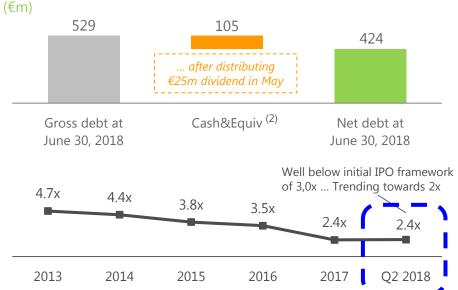
	Period	Average hedged price €/t	Zinc content hedged (tons)
	2017	€1,876	73,200
	2018	€2,051	92,400
	2019	€2,306	92,400
	2020	€2,245	92,400
ĺ	H1 2021	€2,230	46,200

- Using recent Aug/Sept~€2100 LME market price also for the remaining months in 2018 for the unhedged expected volumes (~30%), the blended average zinc price would translate in 2018 to ~€2,150; vs. €2,160 in 2017.
- Hedging without Befesa providing collateral;
   no margin calls



### Stable capital structure; Leverage of 2.4x at June 30, 2018

## **Net Debt and Leverage Rate Evolution**(1)



#### **Credit Ratings for Befesa S.A.**

	Oct '17 (Pre-IPO)	Latest (YE '17) <sup>(5)</sup>
Moody's	B2	Ba3 (outlook positive)
S&P	В	BB- (outlook stable)

#### Free Cash Flow<sup>(3)</sup>



- Cash flow performance in Q2: After paying taxes of €6.2m, interests of €1.0m, funding maintenance, productivity and compliance capex of €6.4m
- After distributing €25 million dividend, cash on hand increased by +€19.8m / +23% YoY;
   €104.4m cash position at June 30, 2018
- Solid free cash flow generation run rate due to low maintenance requirements providing funds for growth

<sup>(1)</sup> Leverage calculated as Net Debt / Adjusted EBITDA

<sup>(2)</sup> Cash&Equiv. of €105m includes €0.4m of Other current financial assets

<sup>(3)</sup> Free Cash Flow is based on management accounts and is calculated as EBIT + Depreciation & Amortization (D&A) +/- WC change – maintenance capex – taxes (4) Cash conversion = FCF / (Reported Adjusted EBIT + Adjusted D&A) (5) Credit ratings assigned by Moody's and S&P on December 13, 2017



#### **Investor Relations**

#### **Financial Calendar**

- ✓ Monday, February 19, 2018:
   Publication of Preliminary Earnings Full Year 2017
- ▼ Thursday, March 15, 2018:
   Publication of Report Full Year 2017 & Analyst Call
- ✓ Thursday, April 26, 2018: Annual General Meeting in Luxembourg
- ✓ Thursday, May 24, 2018:
  Publication of Statement Q1 2018 & Analyst Call
- ✓ Thursday, August 30, 2018:
  Publication of Interim Report H1 2018 & Analyst Call

Thursday, Nov 22, 2018:
Publication of Statement Q3 2018 & Analyst Call

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#### Meet Befesa ...

- ✓ January 8-9, 2018 Commerzbank New York, German Investment Seminar
- ✓ March 8, 2018 Citibank London, Global Resources Conference
- ✓ March 16, 2018 Citibank
  London, Pan-European Business Serv. Conference
- ✓ June 6-8, 2018 Deutsche Bank Berlin, dbAccess Berlin Conference
- ✓ September 11-13, 2018 JP Morgan London, Small and Mid Caps Europe
- ✓ September 20, 2018 Citibank London, Growth Conference
  - ✓ September 24-26, 2018 Berenberg & Goldman Sachs Munich, German Corporate Conference

October 1, 2018 - Berenberg Milan, Berenberg Milan Seminar

December 3-6, 2018 - Berenberg
London, Pennyhill European Conference

January 14-16, 2019 - Commerzbank New York, German Investment Seminar

February 5-6, 2019 - HSBC
Frankfurt, 14th ESG Investor Conference

Q1 2019 - Santander Madrid, Annual Investor Conference



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## **Recent Developments**

2

Q2 2018 Update

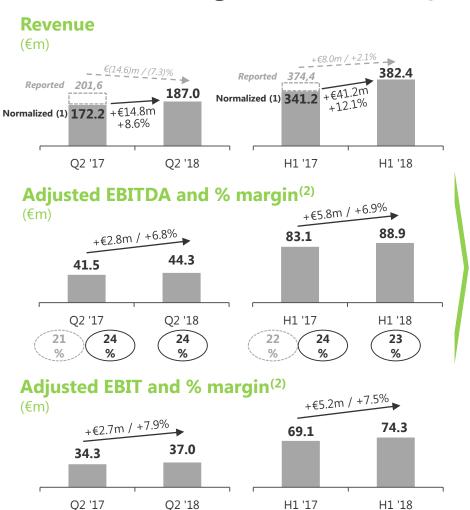
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### **Befesa Overview**

(Investment Highlights)



## Continued solid growth similar to Q1; H1 Earnings up +7% YoY



20

#### **Highlights**

- Q2 '18 Revenue increased to €187.0m / +8.6% YoY on a normalized basis<sup>(1)</sup>; decreased (7.3)% YoY on a reported basis primarily due to:
  - a) Lower reported revenues in Aluminium Salt Slags services due to an amendment to IFRS 15 affecting the revenue recognition of non-operating sales<sup>(1)</sup>
  - b) Lower volumes in Aluminium Salt Slags services
    - (6)% Secondary aluminium alloys produced (plant stoppage to implement new furnace / operational excellence project)
    - (4)% Salt Slags & SPL recycled
  - c) Partially offset by:
    - higher volumes in Steel Dust services
       +9% steel dust throughput
    - higher prices for both zinc (Avg. blended +8% YoY);
       aluminium alloys (Avg. market prices +2% YoY)
- Q2 '18 earnings increased to €44.3m / +6.8% YoY Adjusted EBITDA (24% of revenue), and to €37.0m / +7.9% YoY Adj. EBIT (20% of revenue) driven by strong volumes in Steel services, favorable zinc & aluminium prices and aluminium metal margin recovering
- Consecutive LTM<sup>(3)</sup> run rate growth to €733m Revenue, €178m Adj. EBITDA, €149m Adj. EBIT driven by higher run rate volumes and favorable prices

19



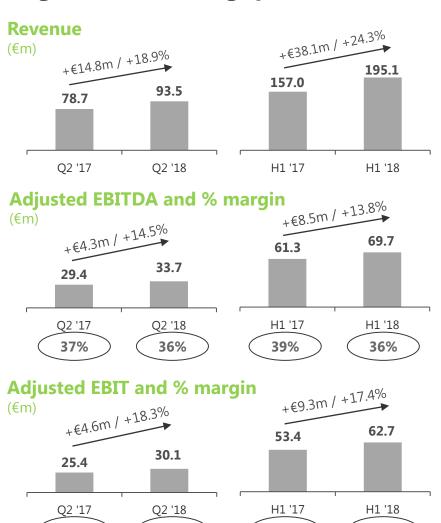
32%

32%

34%

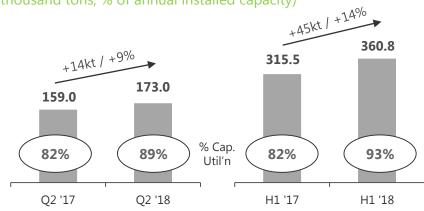
32%

# YoY double-digit increase in revenues & earnings driven by higher EAFD throughput and continued favorable zinc price environment



#### **EAFD Throughput & Capacity Utilization**





#### **Prices**

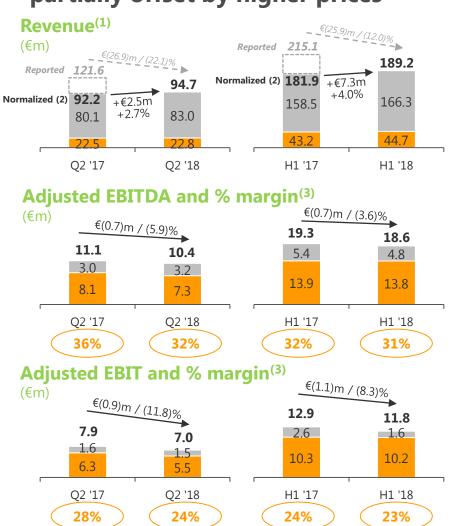
(€ per ton)	Q2 2017	Q2 2018	% Var.	H1 2017	H1 2018	% Var.
Befesa blended (*)zinc price (€/t)	2,054	2,214	+8%	2,113	2,240	+6%
LME avg. price (€/t)	2,358	2,611	+11%	2,487	2,698	+8%

(\*) Blended rate between hedged prices and average spot prices, weighted by the respective hedged and non-hedged volumes, reflecting the effective price to Befesa.



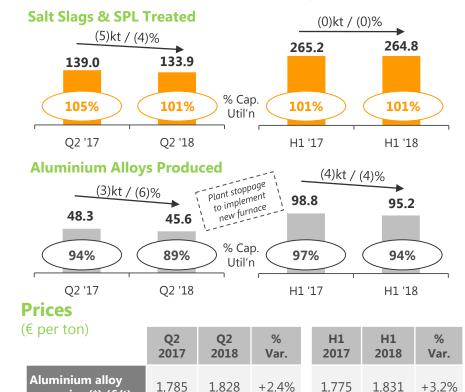
## **Aluminium Salt Slags Recycling Services**

# YoY slight decrease in earnings driven by lower Aluminium Salt Slags volumes partially offset by higher prices



#### **Volumes & Capacity Utilization**

(thousand tons, % of annual installed capacity)



<sup>(\*)</sup> Aluminium Scrap and Foundry Ingots Aluminium pressure diecasting ingot DIN226/A380 European Metal Bulletin Free Market Duty paid delivered works

Salt Slags sub-segment
Secondary Aluminium sub-segment

avg. price (\*) (€/t)

<sup>(1)</sup> Total revenue after inter-segment eliminations

<sup>(2)</sup> As of January 1, 2018, Befesa applied the amendment to IFRS 15 – please see 2017 Annual Report (page 84) – affecting the revenue recognition of non-operating sales in the Secondary Aluminium sub-segment. In order to allow Like for Like comparisons between the periods 2018 and 2017, the reported sales in 2017 have been normalized by the non-operating sales (Q2'17: €29.4m; H1'17: €33.2m). The recognition of the corresponding margin is not impacted (3) Adjusted EBIT(DA) margins refer to the Salt Slags sub-segment



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## **Recent Developments**

2

Q2 2018 Update

3

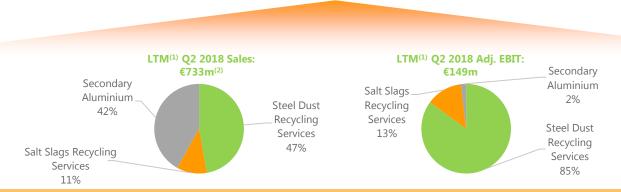
### **Befesa Overview**

(Investment Highlights)



# Befesa – European market leader in providing mission critical hazardous waste recycling services to the steel and aluminium industry

### BEFESA



More than 90% of EBIT generated from two core >20% EBIT margin operations with low capital intensity





Source: Company information, International Consulting Firm based on i.a. World Steel Association's Steel Statistical Yearbooks, WBMS, industry research, expert Interviews.



## Befesa has grown successfully through organic initiatives and acquisitions

#### **Founded in Germany**

#### 1987

Metallgesellschaft, German industrial conglomerate, creates Berzelius Umwelt Service (B.U.S)

#### 1993

B.U.S AB, together with two other companies, group their environmental assets in Spain creating Berzelius Felguera (Befesa)

#### 1998

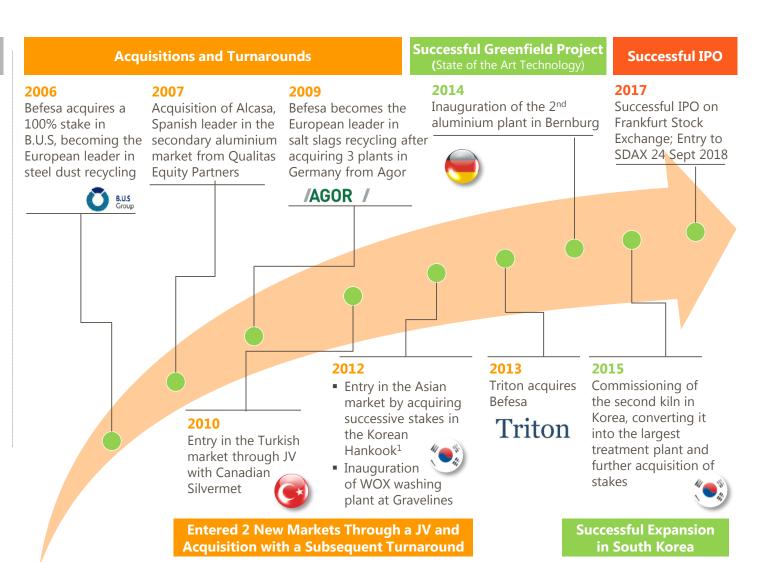
Befesa IPO at the Madrid and Bilbao Stock Exchanges

#### 2000

Abengoa acquires a 51% stake in Befesa from B.U.S to develop its environmental services business (stake increased over time)

#### 2011

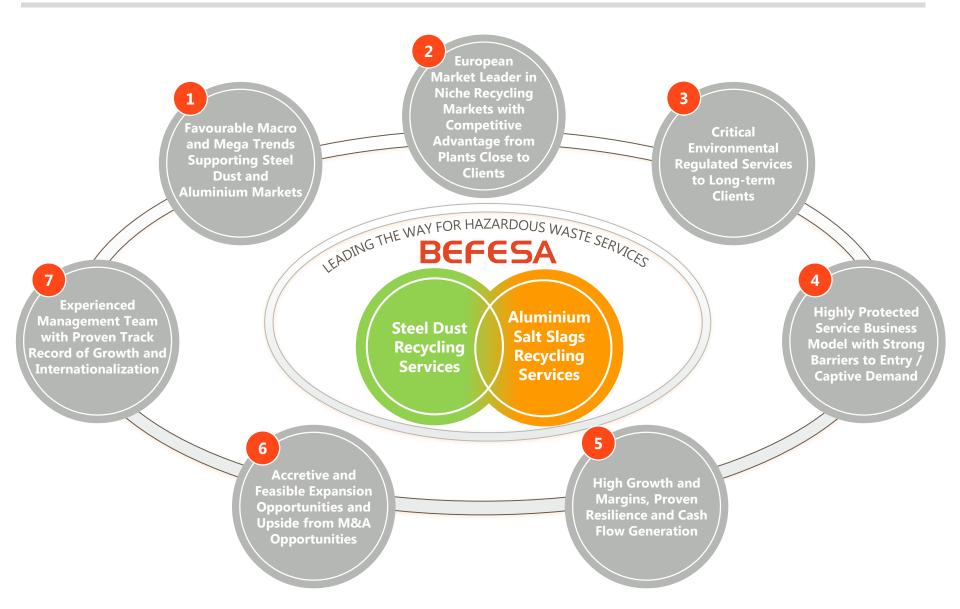
Delisting from the Madrid and Bilbao Stock Exchanges



Source: Company information.



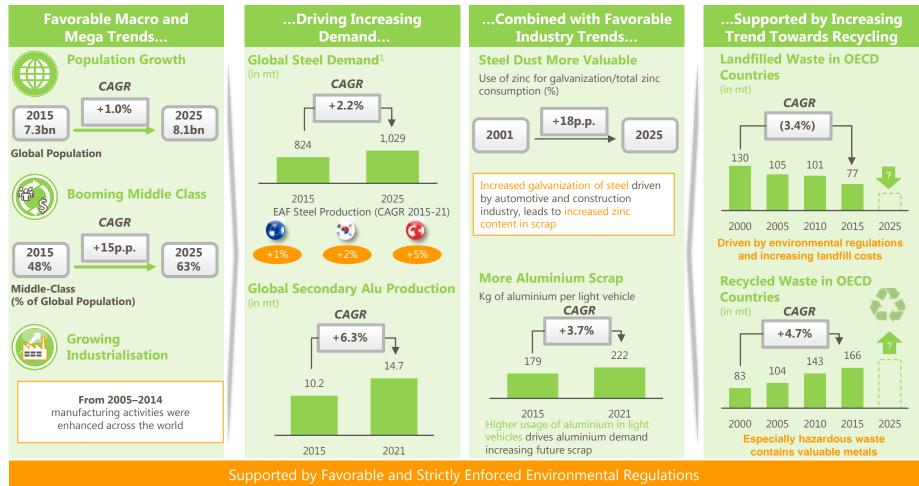








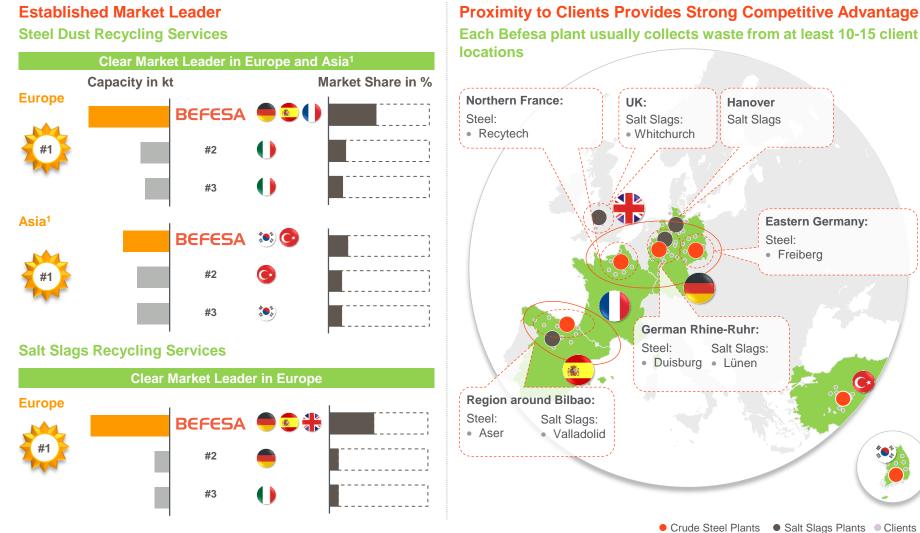
Growing global middle class coupled with evident sustainability trends will further enhance the demand for steel and aluminium production and subsequent waste recovery globally

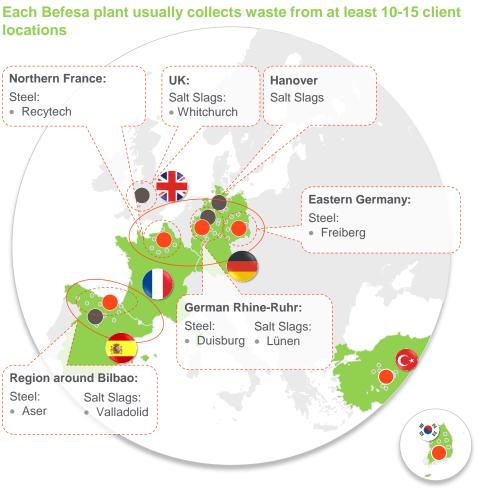




## 2 Market Leader and Close Proximity to Clients

## Befesa is the market leader in steel dust and salt slags recycling services with a competitive advantage due to its close proximity to key clients

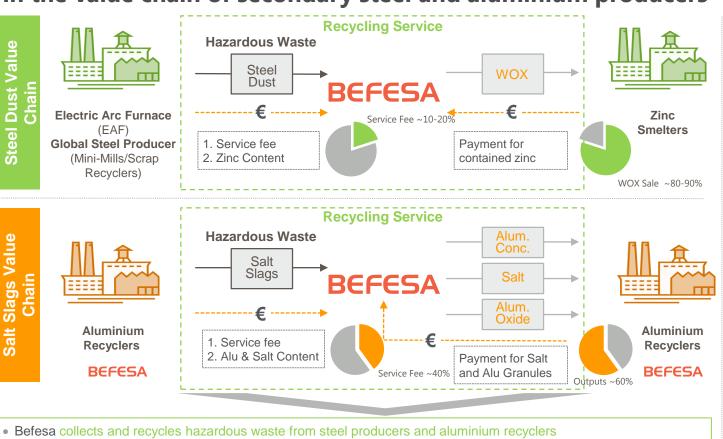








## Befesa offers a crucial service taking care of highly regulated hazardous waste in the value chain of secondary steel and aluminium producers



- Recycling is mandatory for Befesa's clients due to environmental regulations
- Befesa takes off and effectively takes care of environmental liability for their clients
- Without timely and regulatory compliant offtake of hazardous waste clients face risk of complete shut-down of production as well as severe penalty payments
- Befesa therefore offers a critical element of its clients value chain

#### Consequences of **Non-Compliance**

- Major European steel producer struggles with large plant (producing 8% of European steel) due to breaching environmental regulations (contamination of environment)
- Court ordered to partly shut down the plant
- Owner prompted to invest \$3.8bn to bring the plant back to required standards
- In 2002 the owners of a metal foundry in Italy faced prison time for illegal transport and landfilling of hazardous waste
- In 2004 a big aluminium refinery in Italy abandoned 450kt of hazardous waste in the open air over half an hectare
- More than 10 years later the local administration is still collecting funds to proceed to the removal and cleaning of the area
- In 2011 a big producer of aluminium alloys in Spain was involved in the transport without authorisation and illegal landfilling of 1.5kt of salt slags on a vacant lot
- Befesa was ultimately contracted to treat the waste properly





## Befesa's services business is inherently protected by high barriers to entry

#### Customers

- Steel and aluminium producers:
  - Befesa has a strong position in servicing the steel and aluminium manufacturers with long-term relationships: often +15 years
- Zinc smelters, aluminium producers:
  - Befesa provides commoditized but scarce products with an outlook of growing demand – Zinc Oxide sold out

#### **New Entrants – High Barriers to Entry**

- Technology and process know-how
- Capital intensity to build new plant
- Regionally the capacity is balanced
- New license difficult to get
- Vertical integration lacks economy of scale

#### **Concentrated Market**

Befesa is the clear leader in niche recycling industries with few players

#### **Substitution Risk – Very Low**

- Strictly enforced regulation in the European Union
- No viable alternative to recycling

## Suppliers – Limited Bargaining Power

- Low differentiated product (e.g. utilities, water, basic materials)
- Low switching costs to another supplier

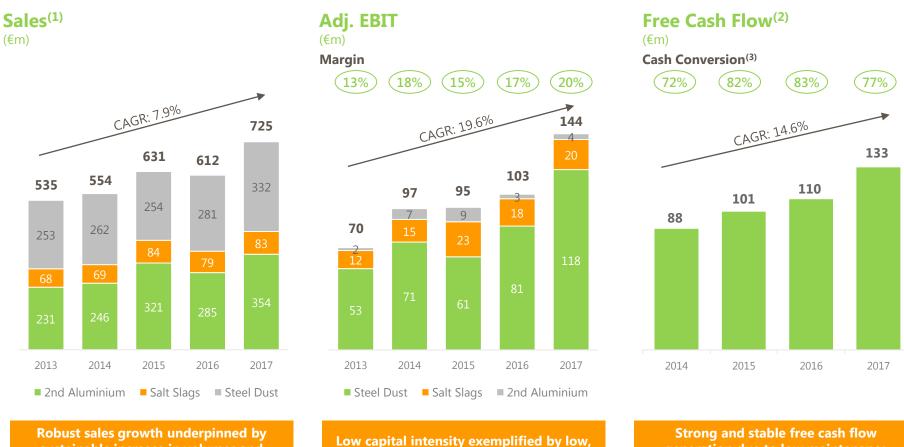
High Entry Barriers and Regulatory Certainty Around Recycling Services Provide a Highly Defendable Market

Position for Befesa





## Attractive growth track record with stable margins and strong cash generation



generation due to low maintenance requirements providing funds for growth

sustainable increase in volumes and

acceleration in growth in 2017

stable D&A and high Adj. EBIT margin





# Proven margin stability despite volatile commodity prices – testament to successful service-focused business model and prudent hedging policy

Adj. EBIT Margin / Zinc Price







# Befesa is a service company managing and reducing exposure to commodity prices

#### **Portfolio Mix**

- Steel Dust Recycling Services and Aluminium Salt Slags Recycling Services with limited correlation
- In 2015–2017 zinc and aluminium prices have shown inverse margin trends

#### **Collection Fee**

- Steel dust collection fee (~10-20% revenues) influenced inversely by zinc prices
- Salt slags collection fee (~40% revenues) uncorrelated to aluminium prices

#### Salt Slags

• Low to no commodity risk as recycled aluminium concentrates used for own production and only recycled salt sold externally (~20% of segment revenues)

#### Secondary Aluminium

• "Natural hedge" as aluminium is both an input (COGS) and an output (sales). Further, own secondary production highly complementary to salt slags business

#### **Zinc Floor**

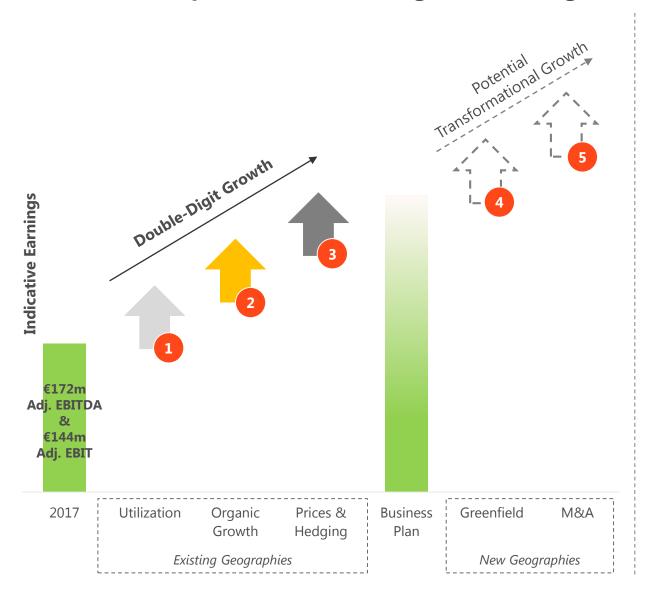
- Marginal cost of mines has been steadily increasing as old low cost mines are shut down; floor price for zinc (reduces volatility) further supported by supply/demand shortages
- Zinc price floor estimated to be around €2,000-2,100 per ton for next years

#### Hedging

- Befesa reduces earnings variability by buying floors and swaps (24-48 months out) providing for minimum floor EBIT with additional upside
- Zinc price volatility: Average inter annual swings of ~10-12% since 2008



### Accelerated top- and bottom-line growth through a well-defined strategy



- 1 Utilization
  - Increase plant utilization of prior year growth investments mainly Steel Dust Korea
- 2 Organic Growth
  - 2018 Focus:
  - Steel Dust:
    - Expand Turkey +45kt
    - Korea washing plant
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- 4 Greenfield
  - Monitoring growth opportunities and regulatory framework in new geographies, e.g.
     South East Asia, China, Russia
- M&A Opportunities

## BEFESA



## **Experienced Management Team**

Senior management team delivering results through long standing industry expertise, entrepreneurial spirit and focus on operational excellence as well as governance and compliance processes



Javier Molina

CEO



20+ years in finance and

**50/50 General Electric** 

operational leadership roles

Wolf Lehmann **CFO**: including responsibilities for Operational **Excellence and IT** 

**Federico Barredo** 

**Recycling Services** 

**Vice President** 

**Key Achievements/Track Record** 



Extensive experience in steel and aluminium recycling business



Strong performance results through focus on operational excellence



**Building strong business** foundation of ESG, compliance and health & safety processes





Track record of successful acquisitions and turnarounds (BUS, Agor, Alcasa, Hankook, Silvermet etc.)



Has run Befesa for >15 Years **Became President of Abengoa's** 

in 1994



**Environmental Services Division** 



Has run the Steel Dust Recycling **Services Business for >10 Years** 



/ Private Equity

25 years with Befesa

**Has run the Aluminium Salt Slags Recycling Service Business** for >15 Years



Successful international expansion



Experience in developing greenfield projects (South Korea, Gravelines, Bernburg)