

# TRONOX



**Tronox Announces Agreement to Acquire Cristal TiO<sub>2</sub> and Reports 4Q16 Results**

**Alembic Global Advisors**

**March 2-3, 2017**

# Safe Harbor Statement

## Additional Information and Where to Find It

This communication shall not constitute an offer to sell or the solicitation of an offer to buy any securities, or a solicitation of any vote or approval. In connection with the Transaction Agreement, by and between Tronox Limited (the “Company”), The National Titanium Dioxide Company (“Cristal”) and Cristal Inorganic Chemicals Netherlands Coöperatief W.A. (the “Transaction”), the Company intends to file relevant materials with the U.S. Securities and Exchange Commission (“SEC”), including a proxy statement. **Investors and Securityholders are urged to read the proxy statement (including all amendments and supplements thereto) and all other relevant documents regarding the proposed Transaction filed with the SEC or sent to shareholders as they become available as they will contain important information about the Transaction.** You may obtain a free copy of the proxy statement (if and when it becomes available) and other relevant documents filed by the Company with the SEC at the SEC’s website at [www.sec.gov](http://www.sec.gov). Copies of documents filed by the Company with the SEC will be available free of charge on the Company’s website at [www.tronox.com](http://www.tronox.com) or by contacting the Company’s Investor Relations at +1.203.705.3722.

## Certain Information Regarding Participants

The Company, Cristal and their respective directors and executive officers may be deemed to be participants in the solicitation of proxies in respect of the Transaction. You can find information about the Company’s directors and executive officers in the Company’s definitive annual proxy statement filed with the SEC on April 8, 2016. Additional information regarding the interests of such potential participants will be included in the proxy statement regarding the Transaction and other relevant documents filed with the SEC.

# Safe Harbor Statement

## Forward-Looking Statements

Statements in this presentation that are not historical are forward-looking statements within the meaning of the U.S. Private Securities Litigation Reform Act of 1995. These forward-looking statements are based upon management's current beliefs and expectations and are subject to uncertainty and changes in circumstances and contain words such as "believe," "intended," "expect," and "anticipate," and include statements about expectations for future results.

The forward-looking statements involve risks that may affect the company's operations, markets, products, services, prices and other risk factors discussed in the Company's filings with the SEC, including those under the heading entitled "Risk Factors" in our Annual Report on Form 10-K for the year ended December 31, 2015 and our Quarterly Report on Form 10-Q for the period ended March 31, 2016. Significant risks and uncertainties may relate to, but are not limited to, the risk that the Transaction will not close, including by failure to obtain shareholder approval, failure to obtain any necessary financing or the failure to satisfy other closing conditions under the Transaction Agreement or by the termination of the Transaction Agreement; failure to plan and manage the Transaction effectively and efficiently; the risk that a regulatory approval that may be required for the Transaction is delayed, is not obtained or is obtained subject to conditions that are not anticipated; the risk that expected synergies will not be realized or will not be realized within the expected time period; unanticipated increases in financing and other costs, including a rise in interest rates; reduced access to unrestricted cash; compliance with our bank facility covenants; the price of our shares; general market conditions; our customers potentially reducing their demand for our products; more competitive pricing from our competitors or increased supply from our competitors; operating efficiencies and other benefits expected from the Transaction. Neither the Company's investors and securityholders nor any other person should place undue reliance on these forward-looking statements. Unless otherwise required by applicable laws, the Company undertakes no obligations to update or revise any forward-looking statements, whether as a result of new information or future developments.

All reconciliations to GAAP of non-GAAP financial measures used in this presentation can be found in the tables accompanying Tronox's press release issued February 21, 2017.

# Tronox Announces Definitive Agreement to Acquire Cristal TiO<sub>2</sub>

Very Strong Fourth Quarter 2016 Performance, TiO<sub>2</sub> Market Momentum Continues



Cristal is the world's second largest producer of titanium dioxide and operates 8 titanium dioxide plants, 6 mines and mineral separation plants, and 1 slag plant in seven countries

Creates World's Largest and Most Highly Integrated TiO<sub>2</sub> Producer

Highly Synergistic and Substantially Accretive and Deleveraging Upon Closing

Increases Growth Rates, Faster-growing EBITDA, Free Cash Flow and Earnings

Expands Global Footprint, Increases Participation in High Growth Emerging Markets

# Compelling Strategic Rationale

## Substantial Accretion and Rapid Deleveraging Upon Closing

- EPS accretion of more than 100% expected in year 1
- Projected pro forma EPS, EBITDA and FCF growth rates over 2018-2021 improve by ~70%, ~30% and ~60%, respectively, versus Tronox standalone
- Pre-tax run-rate synergies of more than \$100 million in year 1 and more than \$200 million in year 3 expected
- No new debt expected; 50% reduction in net leverage ratio projected
- Pro forma net leverage of ~4.4x at closing expected; if proceeds from asset sales not available at closing, temporary bridge financing may be put in place

## Creates World's Largest and Most Highly Integrated Producer of TiO<sub>2</sub>

- TiO<sub>2</sub> pigment production of 1.3MMTPY with 11 production plants in 8 countries
- Most highly integrated feedstock production of 1.5MMTPY with 6 ilmenite mines, 2 slag plants (subject to negotiations with Cristal, Tronox has the intention to acquire a 3<sup>rd</sup>) and 1 synthetic rutile plant
- 85% vertically integrated on net TiO<sub>2</sub> basis
- Allows full utilization of mining and feedstock assets to minimize cost per ton and maximize margins
- Higher mineral sands asset returns from reduced exposure to volatility in high-grade feedstock merchant market with 100% of high-grade feedstock consumed internally

# Transaction Summary

## Transaction Overview

- Cristal shareholders to receive \$1.673 billion of cash plus Class A ordinary shares representing 24% ownership in pro forma Tronox
- Cash portion of purchase consideration expected to be funded through proceeds from asset sales, including Alkali and selected other non-core assets if appropriate, and cash on hand

## Ownership

- 76% existing Tronox shareholders and 24% Cristal shareholders
- Cristal can sell a maximum of 4% of total shares for 3 years following closing and can not acquire more than 24% of total shares for 3 years following closing

## Governance & Leadership

- Size of Tronox board of directors remains unchanged with 9 members
  - Cristal's owners will receive 2 board seats
  - Exxaro Mineral Sands will remain on the board with its 3 seats
- Tom Casey to remain Chairman and CEO

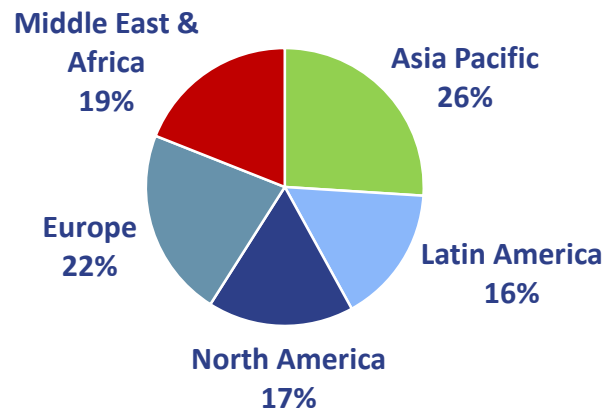
## Key Closing Conditions

- Approval of Tronox Class A and B shareholders, voting as a single class, plus regulatory approvals and customary closing conditions
- Closing is expected before first quarter 2018

# Cristal Overview

- World's 2<sup>nd</sup> largest TiO<sub>2</sub> pigment producer
  - 858 kMT of nameplate production capacity
  - 84% chloride
- 2011-2016 average EBITDA of \$385 million
- High-quality, well-invested assets, with highly automated manufacturing processes
- Highly integrated into mining, chlorine, air separation, energy facilities and a 500kMT slag production complex under commissioning
- Significant co-product and downstream business
  - Largest producer of merchant high quality TiCl<sub>4</sub>
  - Global leader in specialty, catalyst grade TiO<sub>2</sub>
- Mining and mineral separation facilities in Australia with 258MMT of reserves

## Cristal Revenue by Geography

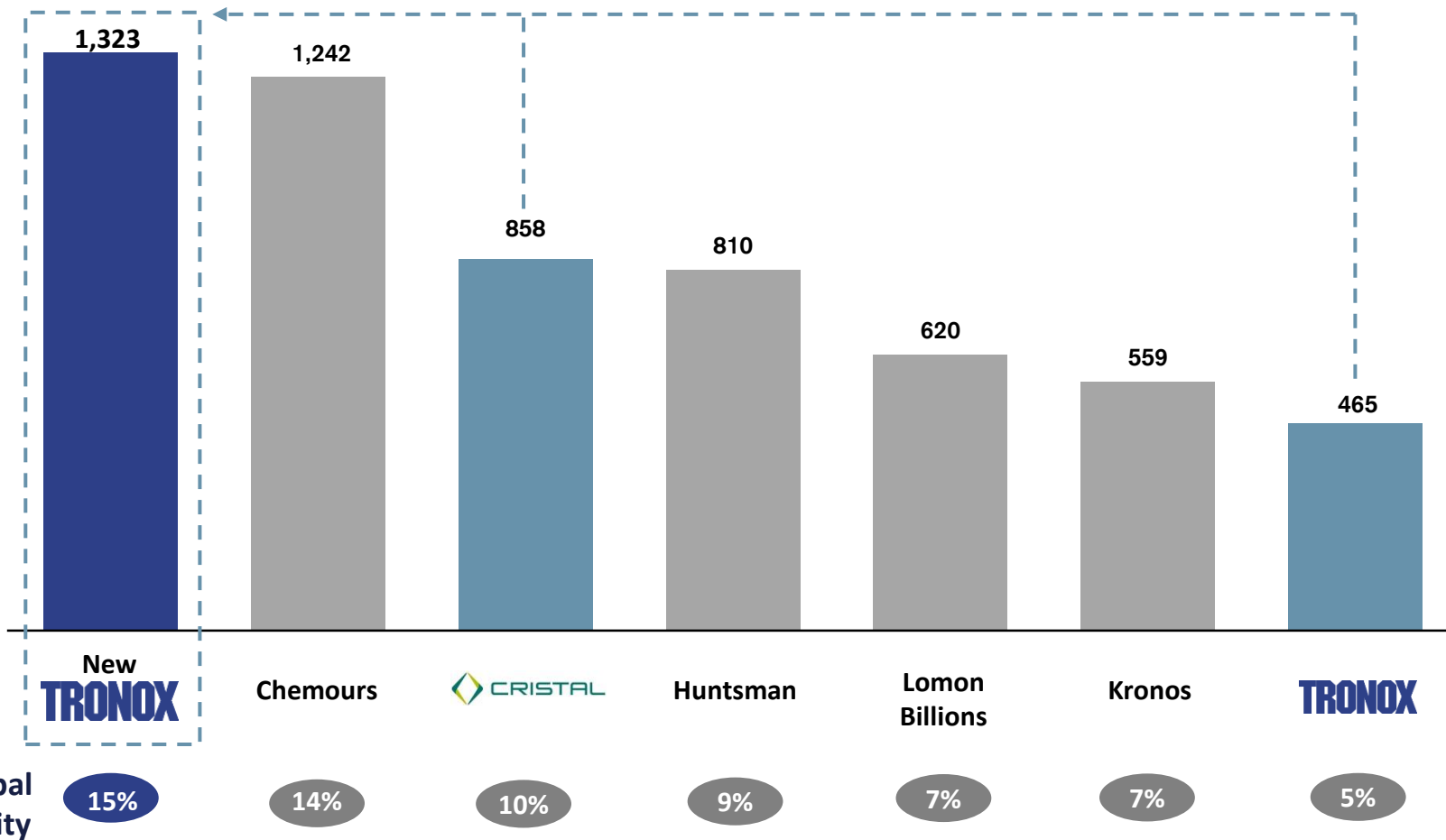


2016 Sales: \$1.7 billion

Key Facts	
Facilities	8 TiO <sub>2</sub> facilities, 6 mines / MSPs <sup>(1)</sup> and 1 slagger <sup>(2)</sup>
Countries	Plants in 7 countries
TiO <sub>2</sub> Nameplate Capacity	858 kMT
Feedstock and Co-Products Nameplate Capacity	500kMT ilmenite, 70ktpa rutile, 100ktpa zircon, 500kMT slag <sup>(2)</sup>
Employees	~4,100

# Creates World's Largest TiO<sub>2</sub> Producer

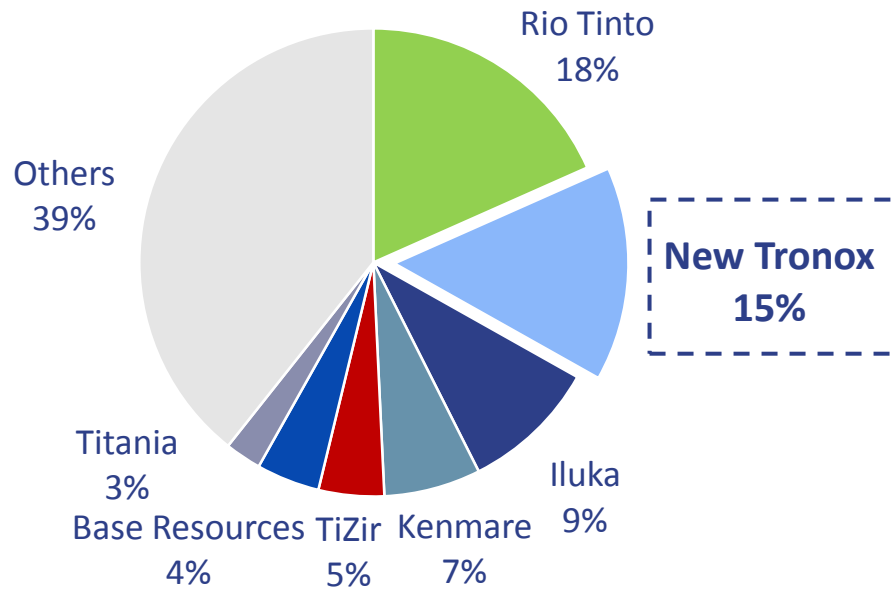
Nameplate Production Capacity (kMT)



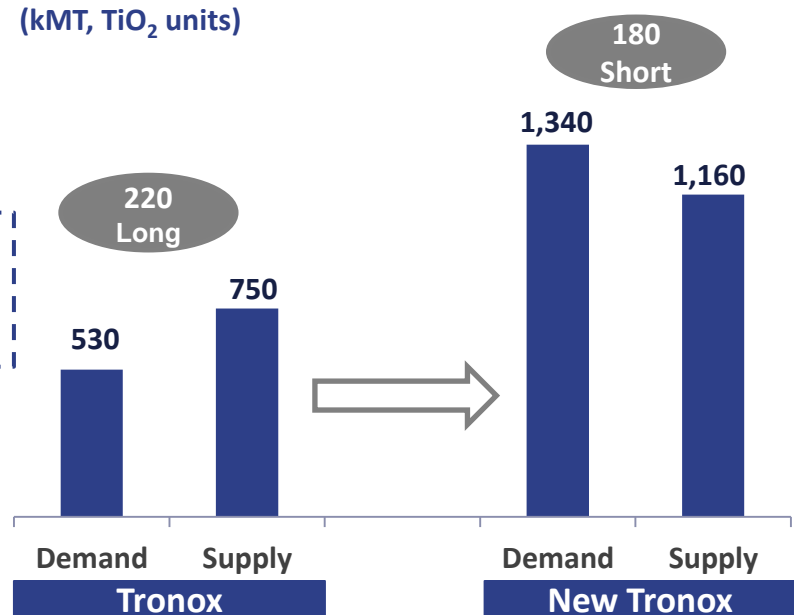


# World's Most Highly Integrated TiO<sub>2</sub> and Mineral Sands Producer

**New Tronox Mineral Sands Production**

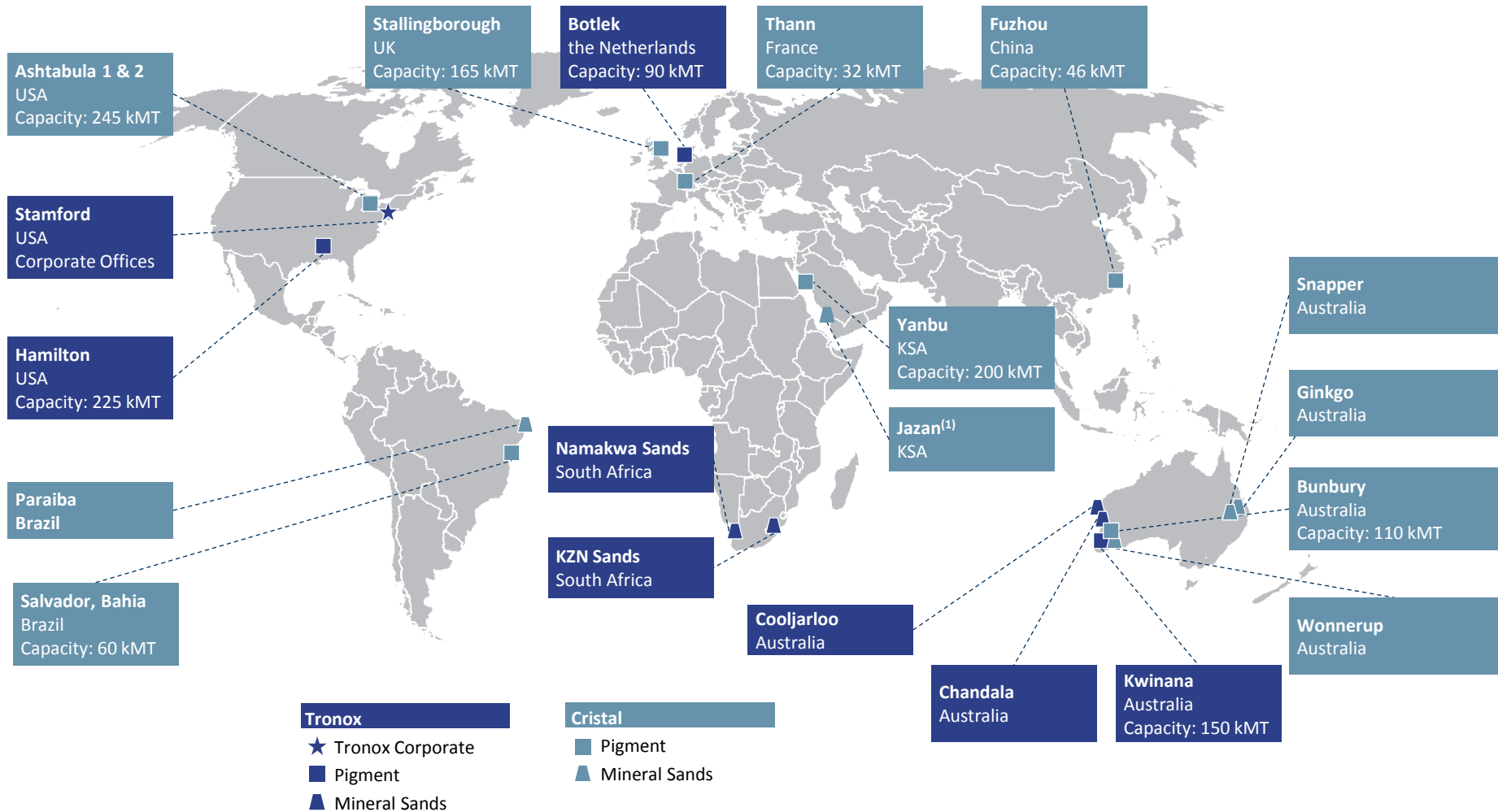


**Feedstock Balance Shifts (2018E)**



- World's second largest mineral sands producer, 85% vertically integrated on net TiO<sub>2</sub> basis
- Full utilization of mining and feedstock assets to maximize margins by minimizing cost per ton
- Higher mineral sands asset returns resulting from reduced exposure to volatility in high-grade feedstock merchant market as 100% of high-grade feedstock consumed internally

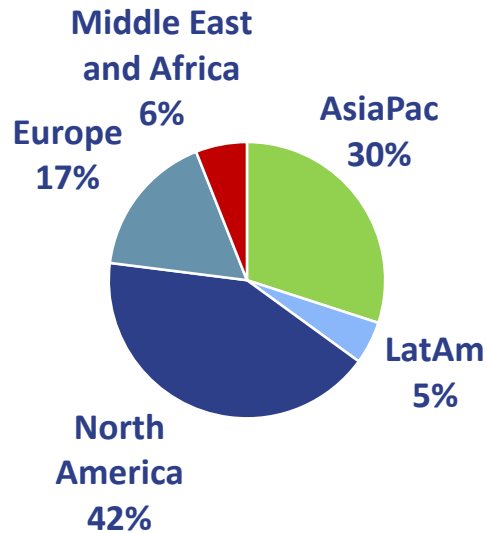
# Expanded Global Footprint



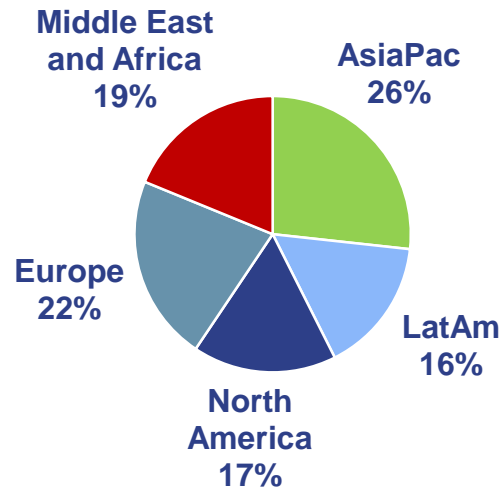
(1) Subject to negotiations with Cristal, Tronox has the intention to acquire Cristal Jazan slagger.

# Balanced Geographical Sales Mix

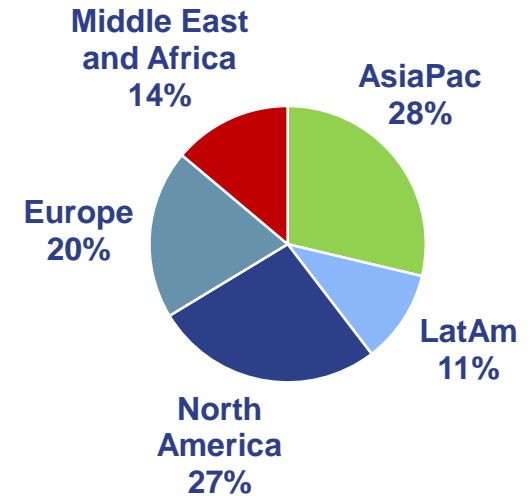
## Tronox



## Cristal



## New Tronox



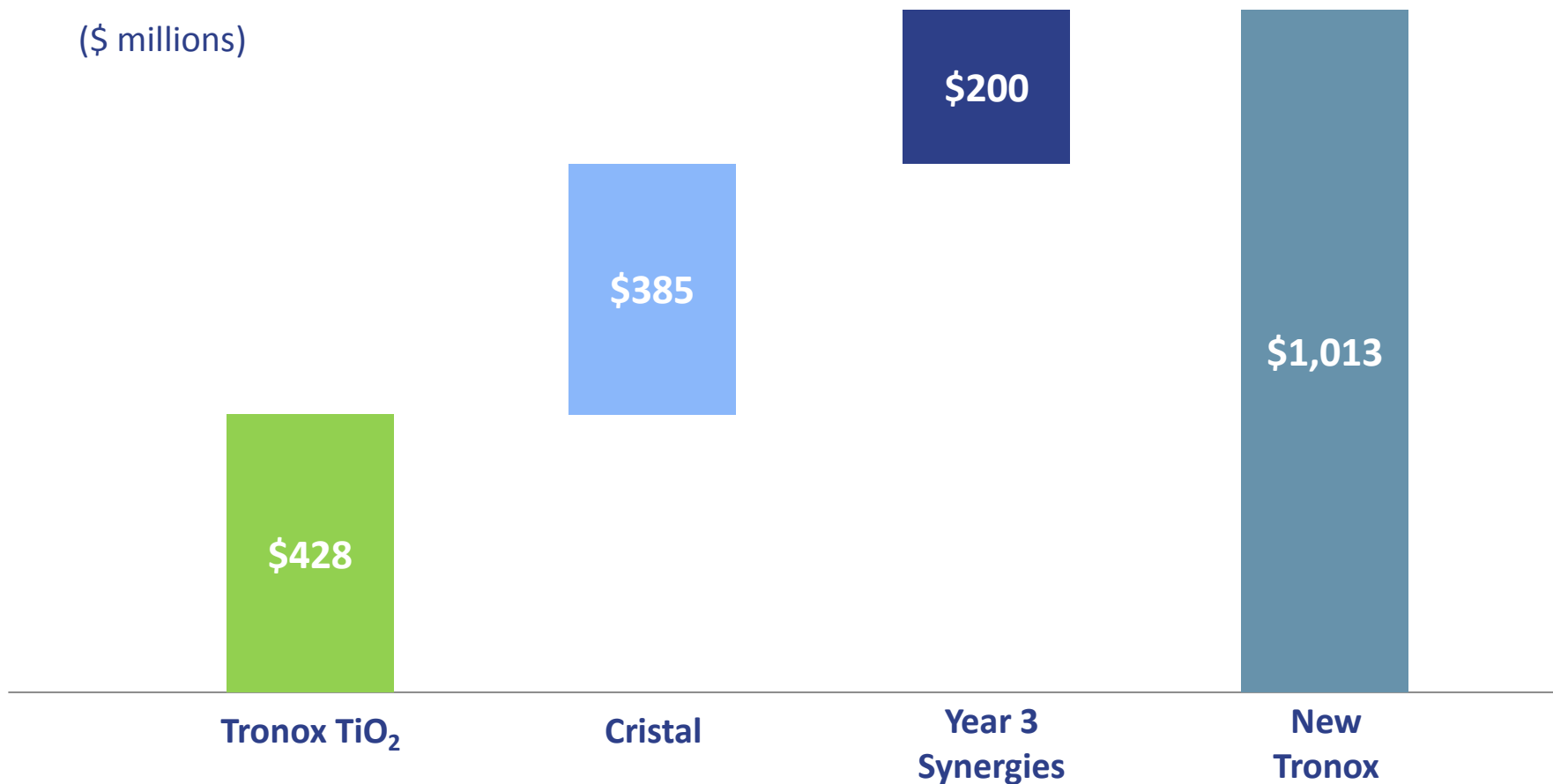
Increased participation in higher growth emerging markets

# Significant Shareholder Value Creation Potential

Average EBITDA Bridge<sup>(1)</sup>

Average EBITDA 2011 – 2016<sup>(1)</sup>

(\$ millions)

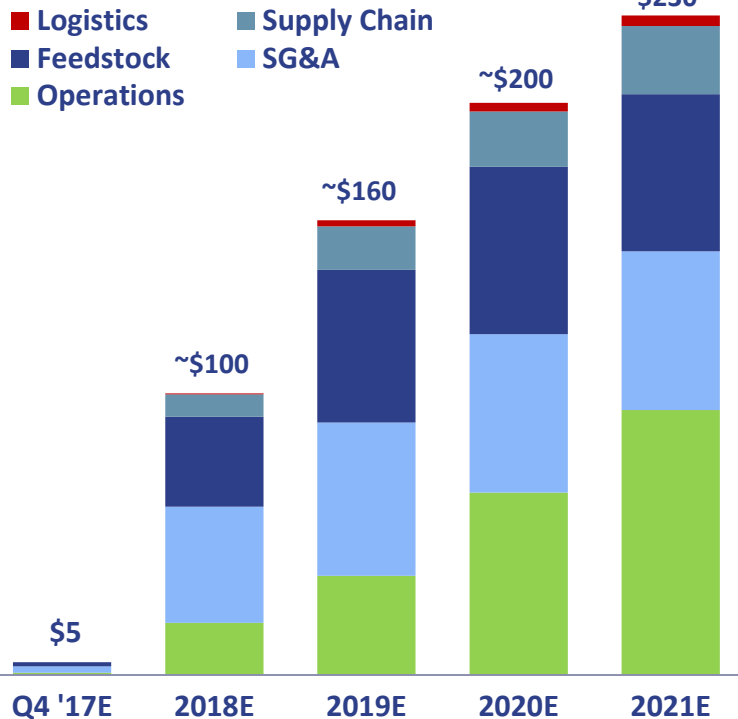


(1) Does not reflect any future price recovery.

# Highly Synergistic Combination

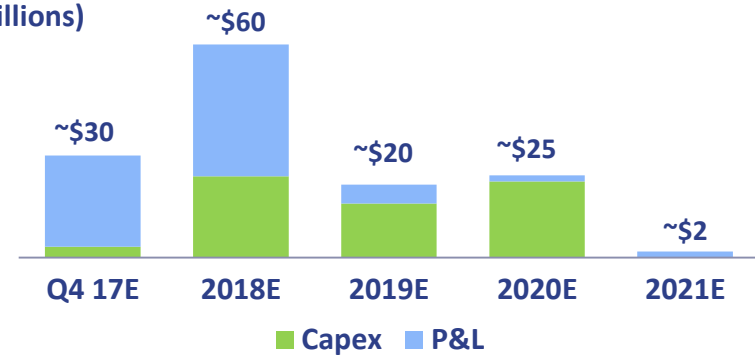
## Components of Synergies (\$ millions)

(\$ millions)



## One-time Costs to Achieve (\$ millions)

(\$ millions)



## Sources of Synergies

- Full utilization of mineral sands assets
- Optimizing value in use of our feedstock
- Sharing of best practices across complementary technologies, production facilities and production geographies
- Significant supplier overlap
- Enhanced global footprint reduces average distance to customers
- Consolidation of third party spend, overlapping functions, elimination of redundant corporate costs

Pre-tax run-rate synergies of more than \$100 million by year 1 and more than \$200 million by year 3 expected

# Summary

World's Largest and Most Highly Integrated TiO<sub>2</sub> Producer



Highly Strategic and Synergistic Combination



Substantially Accretive and Deleveraging Upon Closing



Higher Growth Rates, Faster-growing EBITDA, Free Cash Flow and Earnings



Expanded Global Footprint, Increased Participation in Emerging Markets



# Fourth Quarter 2016 Summary

4Q16 (\$ millions)	Consolidated	TiO <sub>2</sub>	Alkali	Corporate
Revenue	548	352	196	--
Adjusted EBITDA (Non-GAAP)	105	80	46	(21)
Cash Provided by (Used in) Operating Activities	88	98	33	(43)
Capital Expenditures	(32)	(26)	(5)	(1)
Free Cash Flow <sup>(1)</sup> (Non-GAAP)	56	72	28	(44)

TiO <sub>2</sub> (\$ millions)	4Q16	3Q16	4Q15	TiO <sub>2</sub> (\$ millions)	4Q16
Revenue	352	339	336	Cash Provided by Operating Activities	98
Income(Loss) from Operations	18	18	(65)	Capital Expenditures	(26)
Adjusted EBITDA (Non-GAAP)	80	75	36	Free Cash Flow <sup>(1)</sup> (Non-GAAP)	72

Alkali (\$ millions)	4Q16	3Q16	4Q15	Alkali (\$ millions)	4Q16
Revenue	196	194	199	Cash Provided by Operating Activities	33
Income from Operations	30	23	23	Capital Expenditures	(5)
Adjusted EBITDA (Non-GAAP)	46	40	38	Free Cash Flow <sup>(1)</sup> (Non-GAAP)	28

(1) Free cash flow equals cash flow provided by (used in) operating activities less capital expenditures.

# 2017 Perspectives

## Tronox

Closing of Cristal acquisition expected before first quarter 2018

Continue generating high performance in Tronox TiO<sub>2</sub> and Alkali

## TiO<sub>2</sub>

TiO<sub>2</sub> momentum generated in 2016 continues into 2017

Tight global supply-demand balance; pigment inventories, in aggregate, at or below normal at customer and producer levels

Matching pigment production to demand while keeping inventory at or below normal levels

Announced pigment price increase in December, our fourth announcement over a twelve month period

Ilmenite feedstock supply and price pressures and environmentally driven shutdowns continue for Chinese TiO<sub>2</sub> producers

Ilmenite supply tightness and rising prices should provide support for rising high grade feedstock selling prices

Resulting cost pressures on non-integrated pigment producers provides motivation for further pigment price increases

## Alkali

2017 another year of solid adjusted EBITDA and free cash flow delivery, significantly higher than 2016

Closing of Alkali sale expected in second half of 2017



# TRONOX



Q&A Session

[www.tronox.com](http://www.tronox.com)

# TRONOX



## Appendix - Fourth Quarter 2016 Results

# Fourth Quarter 2016 Summary

4Q16 (\$ millions)	Consolidated	TiO <sub>2</sub>	Alkali	Corporate
Revenue	548	352	196	--
Adjusted EBITDA (Non-GAAP)	105	80	46	(21)
Cash Provided by (Used in) Operating Activities	88	98	33	(43)
Capital Expenditures	(32)	(26)	(5)	(1)
Free Cash Flow <sup>(1)</sup> (Non-GAAP)	56	72	28	(44)

- Strong adjusted EBITDA and free cash flow performance: TiO<sub>2</sub> and Alkali combined to deliver \$126 million adjusted EBITDA and \$100 million free cash flow
- TiO<sub>2</sub> 4Q pigment sales volumes highest on record, higher pigment selling prices; increased feedstock and co-products sales volumes and continued strong operating cost performance; pigment selling prices increased 1% sequentially and 7% above PYQ
- TiO<sub>2</sub> momentum expected to continue in 2017 based on our view that pigment inventories, in aggregate, are at below normal levels at both customer and producer locations globally, resulting in a continued tight supply-demand balance
- Alkali performance similarly driven by higher production volumes, lower operating costs and increased production efficiencies
- Cash of \$248 million and liquidity of \$533 million on December 31, 2016
- Board declared a quarterly dividend of \$0.045 per share payable on March 17, 2017 to shareholders of record of company's Class A and Class B ordinary shares at the close of business on March 6, 2017

(1) Free cash flow equals cash flow provided by (used in) operating activities less capital expenditures.

# TiO<sub>2</sub> Fourth 2016 Performance

TiO <sub>2</sub> (\$ millions)	4Q16	3Q16	4Q15	TiO <sub>2</sub> (\$ millions)	4Q16
Revenue	352	339	336	Cash Provided by Operating Activities	98
Income(Loss) from Operations	18	18	(65)	Capital Expenditures	(26)
Adjusted EBITDA (Non-GAAP)	80	75	36	Free Cash Flow <sup>(1)</sup> (Non-GAAP)	72

## Compared to 4Q15

- Revenue up 5% led by highest fourth quarter pigment sales volumes on record and higher selling prices
- Pigment sales up 11% as sales volume up 4% and selling prices up 7% (8% local currency basis); sales volumes and selling prices increased in all regions
- Titanium feedstock and co-products sales level; CP titanium slag sales volumes up 50% and selling prices down 1%; zircon sales volumes up 17 % and selling prices down 11%; natural rutile sales volumes down 29% and selling prices up 6%; pig iron sales volumes down 24% and selling prices up 3%
- Adjusted EBITDA up 122% driven by higher pigment sales volumes and selling prices, significant cost reductions resulting from our Operational Excellence program and the benefit of higher pigment production efficiency and plant utilization

## Compared to 3Q16

- Revenue up 4% driven by higher pigment selling prices and higher sales volumes for CP titanium slag, zircon and pig iron
- Pigment sales were 7% lower on 6% lower sales volumes and 1% higher selling prices (2% local currency basis)
- Titanium feedstock and co-products sales up 44% led by higher sales volumes for CP titanium slag, zircon and pig iron; significant CP titanium slag sales; zircon sales up 26% and selling prices level; natural rutile sales volumes down 3% and selling prices up 5%; pig iron sales volumes up 57% and selling prices down 6%
- Adjusted EBITDA up 7% on higher feedstock and co-products sales volumes coupled with higher pigment selling prices

(1) Free cash flow equals cash flow provided by (used in) operating activities less capital expenditures.

# Alkali Fourth Quarter 2016 Performance

Alkali (\$ millions)	4Q16	3Q16	4Q15	Alkali (\$ millions)	4Q16
Revenue	196	194	199	Cash Provided by Operating Activities	33
Income from Operations	30	23	23	Capital Expenditures	(5)
Adjusted EBITDA (Non-GAAP)	46	40	38	Free Cash Flow <sup>(1)</sup> (Non-GAAP)	28

## Compared to 4Q15

- Revenue down 2% as sales volumes level and selling prices down 2%
- Domestic sales volumes down 2% due to timing of sales while selling prices level
- Export sales volumes up 3% driven by strong demand in Asia and Latin America; selling prices down 3% primarily in Asia
- Chinese soda ash producers' input costs rise in 4Q resulting in significant domestic price increases; Chinese export price increases typically lag price increases in its domestic market
- Adjusted EBITDA up 21% driven by higher production volumes, lower operating costs and higher plant efficiencies

## Compared to 3Q16

- Revenue up 1% on 3% sales volumes increase driven by higher production volumes; selling prices down 2%
- Domestic sales volumes down 1% due to timing of sales and selling prices down 2% due to customer mix
- Export sales volumes up 7% driven by strong demand in Asia; selling prices down 1%
- Adjusted EBITDA up 15% driven primarily by higher production volumes and lower operating costs

(1) Free cash flow equals cash flow provided by (used in) operating activities less capital expenditures.

# Fourth Quarter 2016 Financial Position

Tronox (\$ millions)	4Q16	3Q16	4Q15
Corporate			
Income(Loss) from Operations	(16)	(16)	4
Adjusted EBITDA (Non-GAAP)	(21)	(17)	(14)
Cash Used in Operations	(43)	(108)	(26)
SG&A	59	54	46
Interest & Debt Expense, Net	46	46	45

Tronox (\$ millions)	Dec 31, 2016
Gross Consolidated Debt	3,054
Debt, Net of Cash	2,806
Cash and Cash Equivalents	248
Liquidity	533
Blended Cost of Debt	5.6%

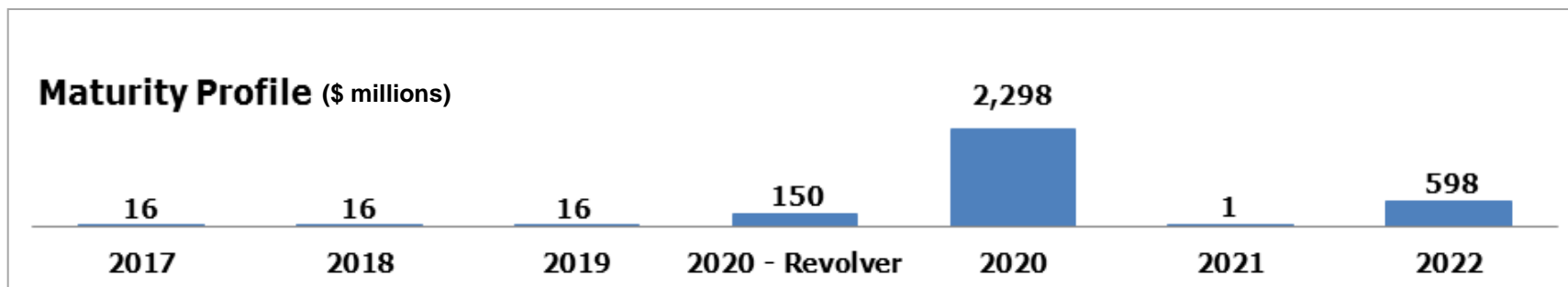
## Debt Maturities and Financial Maintenance Covenants

No meaningful maturities until 2020; annual 1% payment on term loan

No financial maintenance covenants on term loan or high yield notes

48% of total indebtedness set at a fixed rate on Dec 31, 2016

Tronox (\$ millions)	FY 2016
Cash Interest	174
Capital Expenditures	119
DD&A	236





# TiO<sub>2</sub> Operational Excellence

*On track to generate more than \$600 million cash over 2015-2017*

## Cash from Cost Reductions and Working Capital Reductions for the three-year period 2015-2017

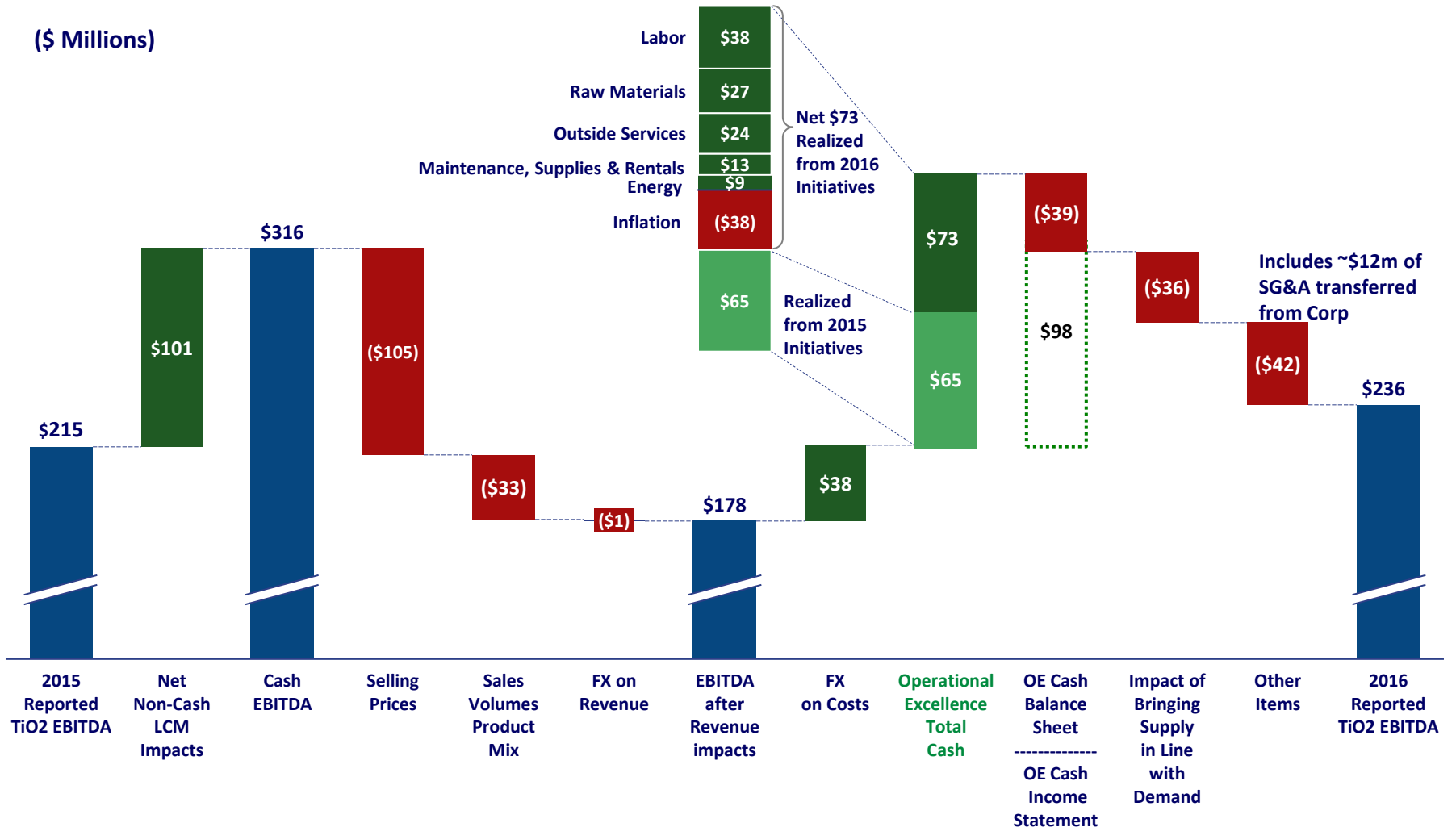
Versus 2014 Baseline	2015 <u>Actual</u>	2016 <u>Actual</u>	2017 <u>Target</u>
Cost Reduction	99	99	
Less Cost to Deliver	<u>(9)</u>	<u>(16)</u>	
Sustaining Cost Reduction	90	83	
Incremental 2016 Cost Reductions		<u>73</u>	
<b>Cash Cost Reduction</b>	<b>90</b>	<b>156</b>	
<b>Working Capital Reduction</b>	<b><u>98</u></b>	<b><u>142</u></b>	
<b>Total Cash Generation</b>	<b>188</b>	<b>298</b>	<b>154</b>

<b>Cumulative Cash Cost Reduction</b>	<b>90</b>	<b>246</b>	<b>400</b>
<b>Cumulative Working Capital Reduction</b>	<b><u>98</u></b>	<b><u>240</u></b>	<b><u>240</u></b>
<b>Total Cumulative Cash Generation</b>	<b>188</b>	<b>486</b>	<b>640</b>

Note: Excludes inflation, net non-cash LCM impacts and FX impacts

# 2016 TiO<sub>2</sub> EBITDA Bridge

(\$ Millions)





# TRONOX

