



龍蟠百利源
Lomon Billions

Almost 30 years of TiO_2 pigment manufacturing experience
- growing fast and investing in the future

www.lomonbillions.com



Lomon Billions

Bruce Griffin

Senior Vice President Strategic Development

Disclaimer



This presentation has been prepared by Lomon Billions Group Co., Ltd. (the “**Company**”) for use at the TiO₂ World Summit 2018. For the purposes of this notice, this “presentation” shall include these slides and any question-and-answer session that follows the presentation. Any recipients of this presentation will be deemed to have represented, warranted and undertaken that they have read and agree to comply with the contents of this notice.

This presentation is for informational purposes only and does not constitute or form any part of any offer to sell or issue, or any invitation to purchase or subscribe for, or any solicitation of any offer to purchase or subscribe for, or any recommendation in respect of buying, holding or selling, any securities in any jurisdiction.

No representations or warranties, express or implied, are made as to, and no reliance should be placed on, the accuracy, fairness or completeness of the information presented or contained in this presentation. Neither the Company nor any of its directors, officers or employees nor any other person accepts any liability for any loss arising from any use of this presentation or otherwise arising in connection therewith. Forward looking statements can be identified by words such as “believe”, “expect”, “anticipate”, “intend”, “will”, “may”, “should”, “shall”, “continue” and “plan” and similar expressions. All statements other than statements of historical facts included in this presentation, including, without limitation, those regarding the Company’s financial position, business strategy, plans and objectives, are forward looking statements. Such forward looking statements are based on numerous assumptions regarding the Company’s present and future business strategies and the environment in which the Company will operate in the future. By their nature, forward looking statements involve a number of risks, uncertainties and assumptions that could cause actual results or events to differ materially from those expressed or implied by the forward looking statements. These risks, uncertainties and assumptions could adversely affect the outcome and financial effects of the plans and events described herein. Past performance is not an indication of future results and past performance should not be taken as a representation that trends or activities underlying past performance will continue in the future. All views expressed are based on financial, economic, and other conditions as of the date hereof and the Company disclaims any obligation to update any forecast, opinion or expectation, or other forward looking statement, to reflect events that occur or circumstances that arise after the date hereof.

This presentation is strictly confidential and is being provided to selected recipients only solely for informational purposes. This presentation may not be printed, reproduced or further distributed to any other person or published, in whole or in part, for any purpose without the prior written consent of the Company.

This presentation is not intended for distribution to, or use by any person or entity in any jurisdiction or country where such distribution or use would be contrary to local law or regulation.

This presentation is for distribution in the United Kingdom only to persons who are: (i) investment professionals falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion Order) 2005 (the “Order”) or (ii) persons falling within Article 49(2)(a) to (d) (“high net worth companies, unincorporated associations etc”) of the Order and (iii) any other person to whom this presentation may otherwise lawfully be communicated (all such persons together being referred to as “relevant persons”). This presentation is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons.

The shares of the Company are currently admitted to listing and trading on the Shenzhen Stock Exchange. The shares have not been and will not be registered under the U.S. Securities Act of 1933 and may not be offered or sold in the United States absent an exemption from registration.

Agenda



- ▶ Lomon Billions
- ▶ Chloride Pigment Expansion
- ▶ Feedstock Integration
- ▶ Response to Enhanced Environmental Regulation

Integrated pigment producer

- ▶ 1 chloride and 3 sulfate pigment plants
- ▶ Ilmenite mine
- ▶ Slag smelter and synthetic rutile plant

4 global pigment producer

#1 in pigment producer in China

#1 Sulfate pigment producer

#1 Chloride pigment producer

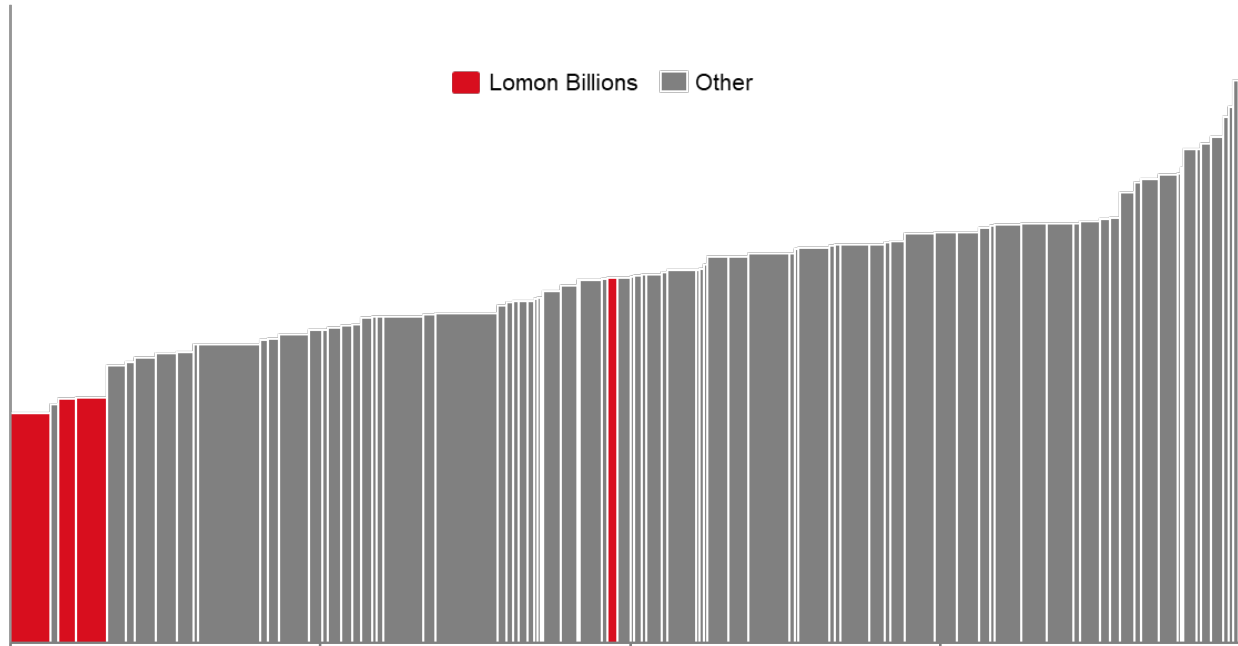
#1 Pigment exporter

#3 Ilmenite producer

Industry leading cost position



2016 Pigment Cash Cost \$/t

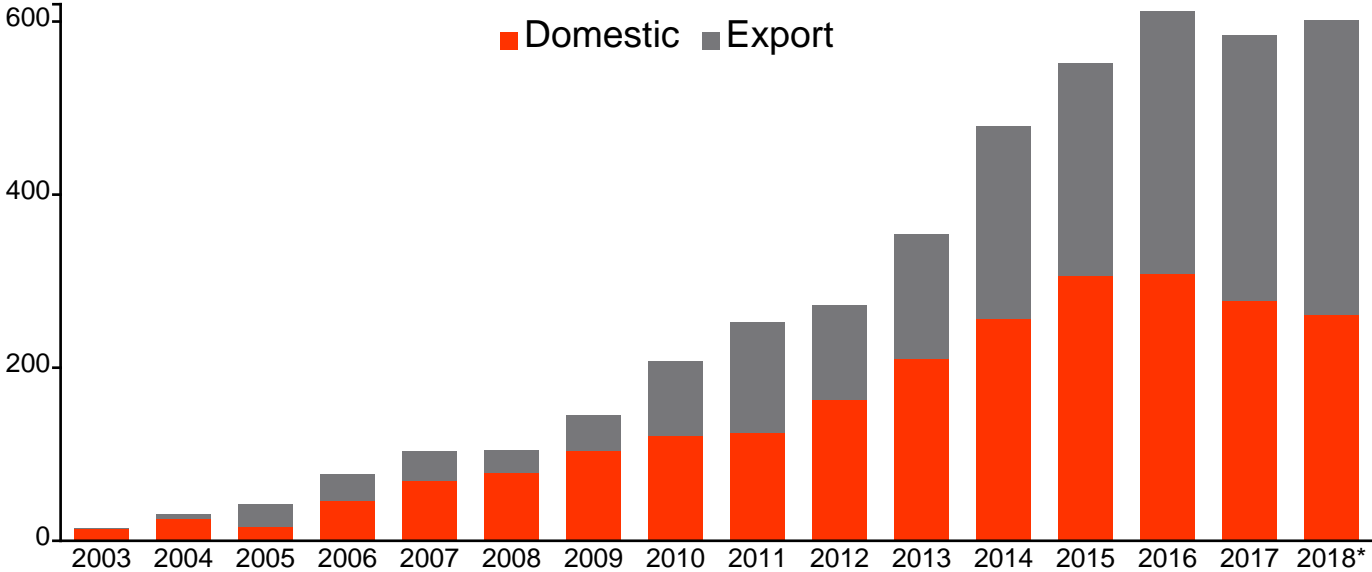


2016 TiO₂ Pigment Capacity

Exports a key part of our business



Pigment Sales tpa

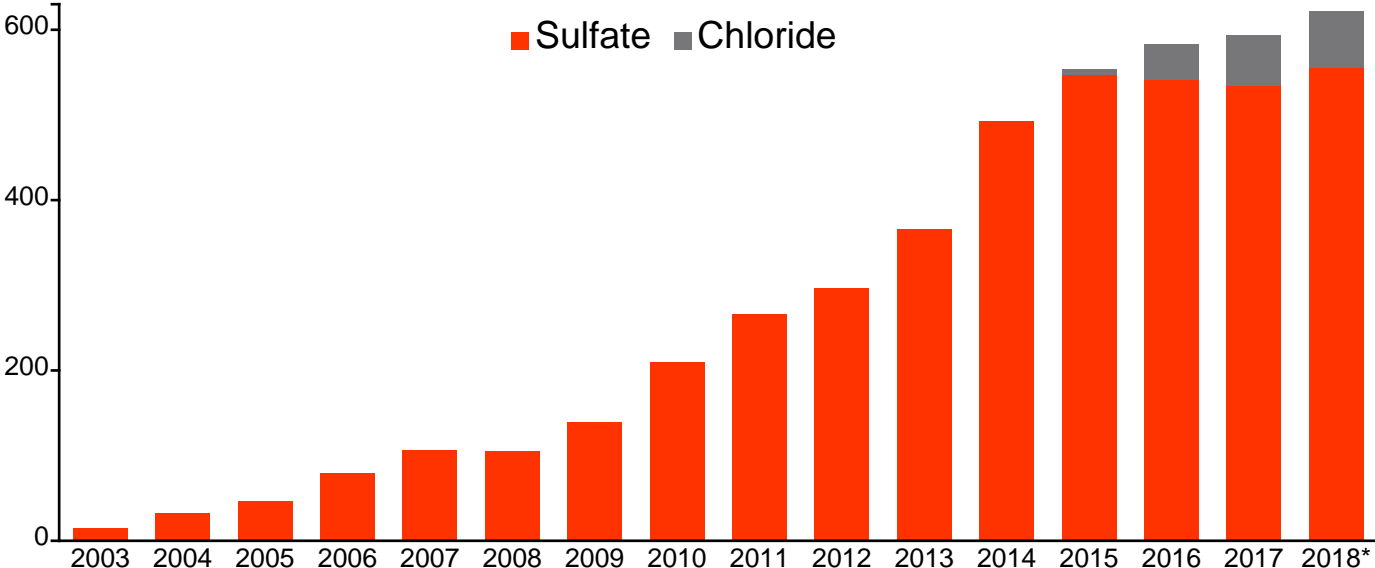


* 1H 2018 annualised

Growth shifting to chloride



Pigment Sales tpa



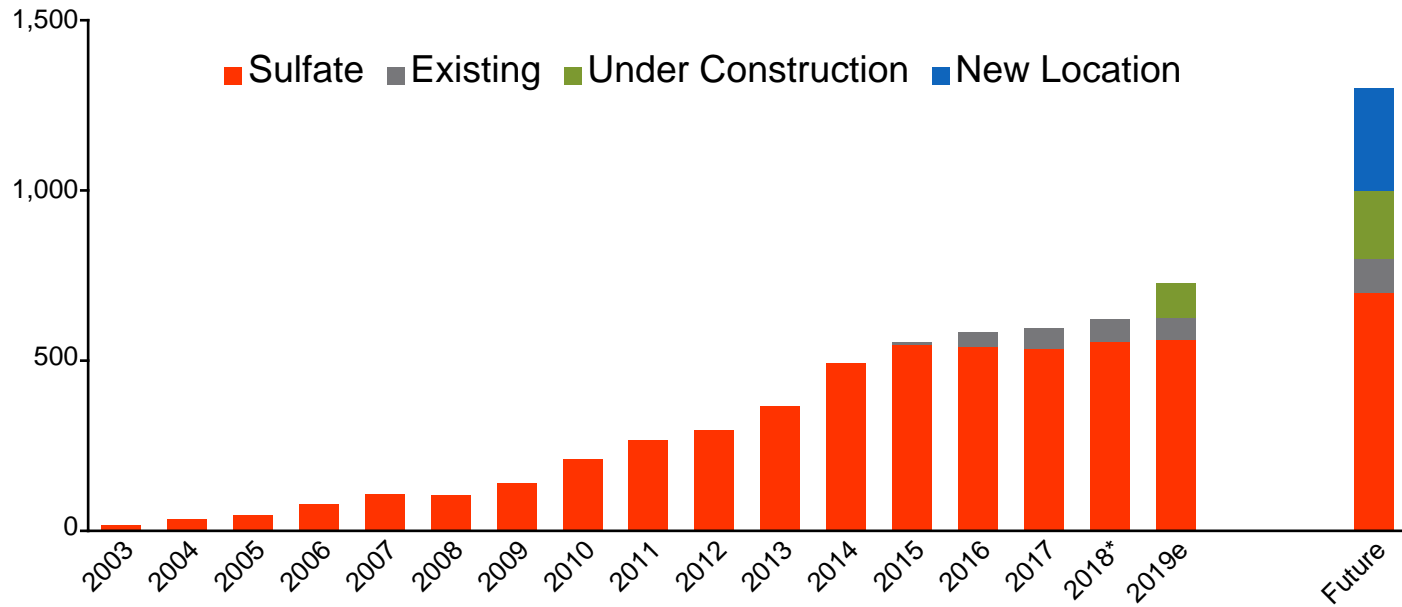
* 1H 2018 annualised

Chloride pigment expansion

Strategy to grow pigment production to 1,300 ktpa



Pigment Sales tpa



* 1H 2018 annualised

Chloride Pigment Expansion



- ▶ Existing 100,000 tonne capacity line will produce around 65,000 tonnes in 2018
- ▶ 200,000 tonne chloride pigment expansion
- ▶ Two new 100,000 tpa chloride pigment lines
- ▶ Total investment 1.812 billion RMB (~US\$285 million at approval – Feb 2018)
- ▶ Expected start up timing
 - ▶ Commissioning in Q4 2018
 - ▶ First line to start in Q1 2019 and reach capacity in Q2 or Q3 2019
 - ▶ Second line to start in Q3 or Q4 2019
 - ▶ Incremental chloride pigment production in 2019 of 100,000 tonnes
 - ▶ Total chloride pigment production of 150,000 to 200,000 tonnes in 2019

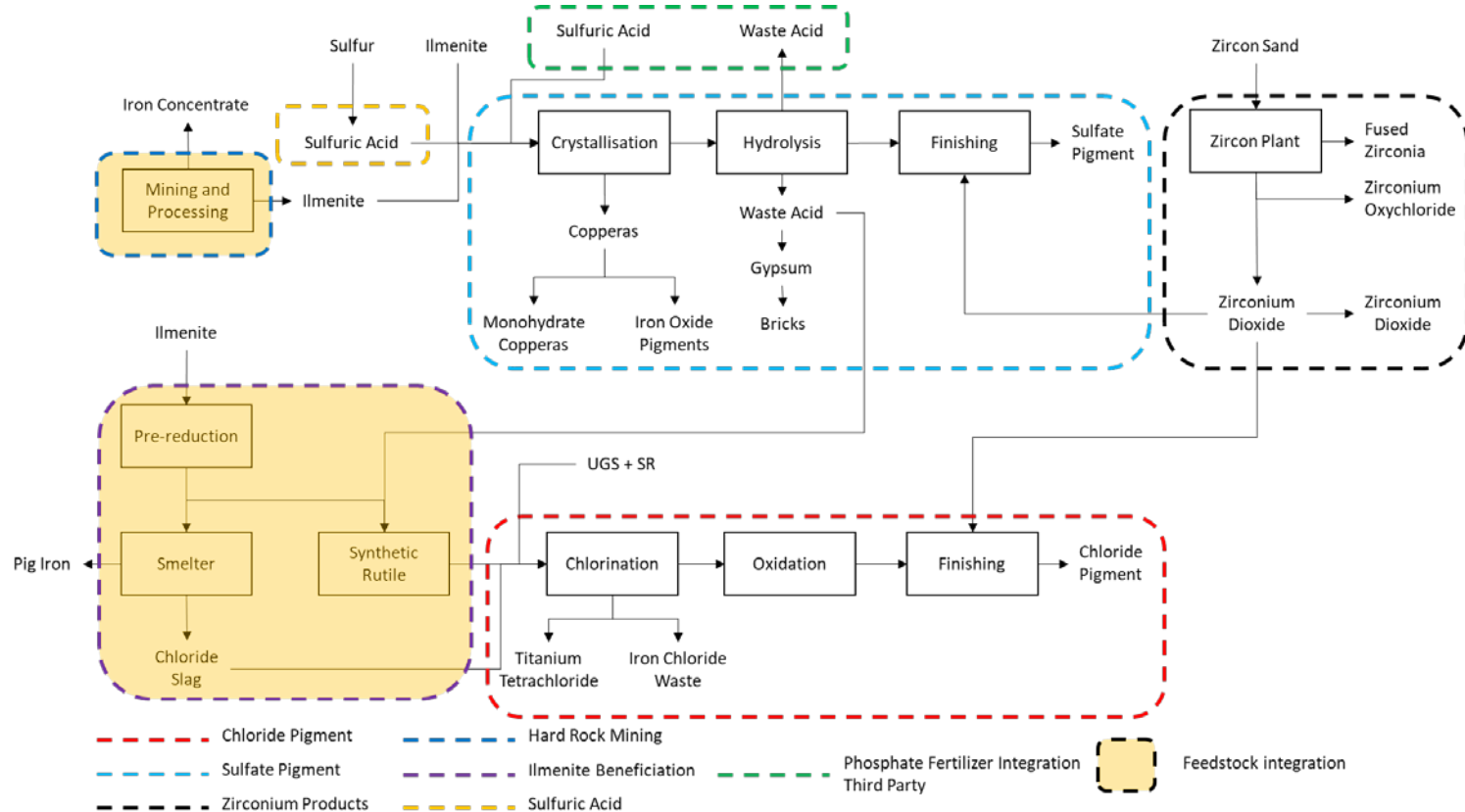
Chloride Pigment Expansion



Chloride Pigment Expansion



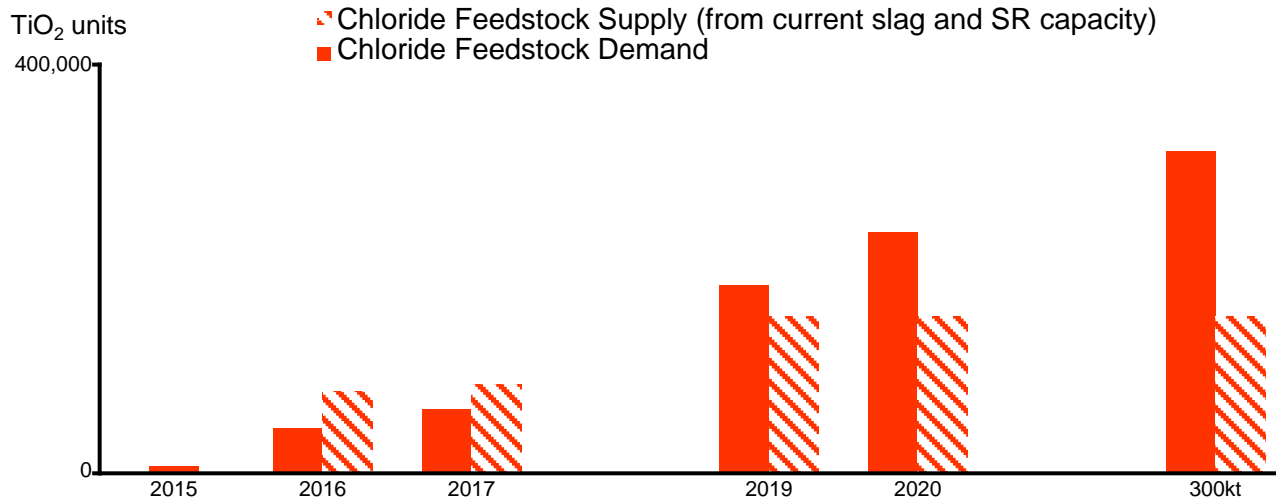
Feedstock Integration



Feedstock Integration




- ▶ Around 2/3 integrated for sulfate feedstock
- ▶ Currently long chloride feedstock
- ▶ Buying ilmenite feed for smelter and synthetic rutile
- ▶ Current 200,000 tonne chloride expansion will reduce our self sufficiency to <50%



Chloride Feedstock Integration



- ▶ Target capacity to feed 600,000 tpa of chloride pigment
 - ▶ Expand smelter capacity in China and overseas
 - ▶ Buy or build ilmenite resources suitable for making chloride slag
- 
- ▶ Create the lowest net-cost supply chain from mine to chloride pigment
 - ▶ Lomon Billions have this for sulfate pigment
 - ▶ Capture full supply chain margin irrespective of feedstock prices
 - ▶ Profitable throughout the price cycle
 - ▶ Feedstock market efficient for dispatch but not for capacity
 - ▶ Integration removes market volume risk
 - ▶ BUT feedstock integration
 - ▶ Is not a solution for high costs in either feedstock or pigment
 - ▶ Must combine low net cost feedstock with low cost pigment production

- ▶ Environmental inspections
 - ▶ Enforcement of existing regulations
 - ▶ Central teams applying rules consistently
 - ▶ Long term positive for sophisticated producers

- ▶ Enforcement focus shifts to target specific polluters not 'areas' or 'industries'
 - ▶ For example 26+2 cities air quality restrictions last winter (2017/2018)
 - ▶ Some area and industry restrictions still expected this winter (2018/2019)

Lomon Billions Response



- ▶ Continuous investment to ensure compliance, examples from 2017/18 include
 - ▶ Waste gas desulphurisation and denitrification (calciner, digestion and boilers)
 - ▶ Waste gas dust collection (calciner, digestion)
 - ▶ Ultra-low emissions refit for reduction kiln
 - ▶ Replacement of conveyors and bag filters to reduce dust
 - ▶ Wastewater treatment upgrades at all pigment plants
- ▶ Minimises risk to Lomon Billions of specific inspection impacts
 - ▶ Ongoing risk of area or industry restrictions



龍蟠百利源
Lomon Billions

Almost 30 years of TiO_2 pigment manufacturing experience
- growing fast and investing in the future

www.lomonbillions.com

