



Built for Growth – Focused on Exploration in a 100-Year-Old Zinc District

- 100%-owned Empire State Mine (“ESM”) – ramping up zinc production in historic mining district in New York State
- Main focus of the Augusta Group – leaders in delivering long-term value
- Growth fueled by excellence in exploration and development; driven by best-in-class leadership

3,800 tpd shaft and major surface infrastructure



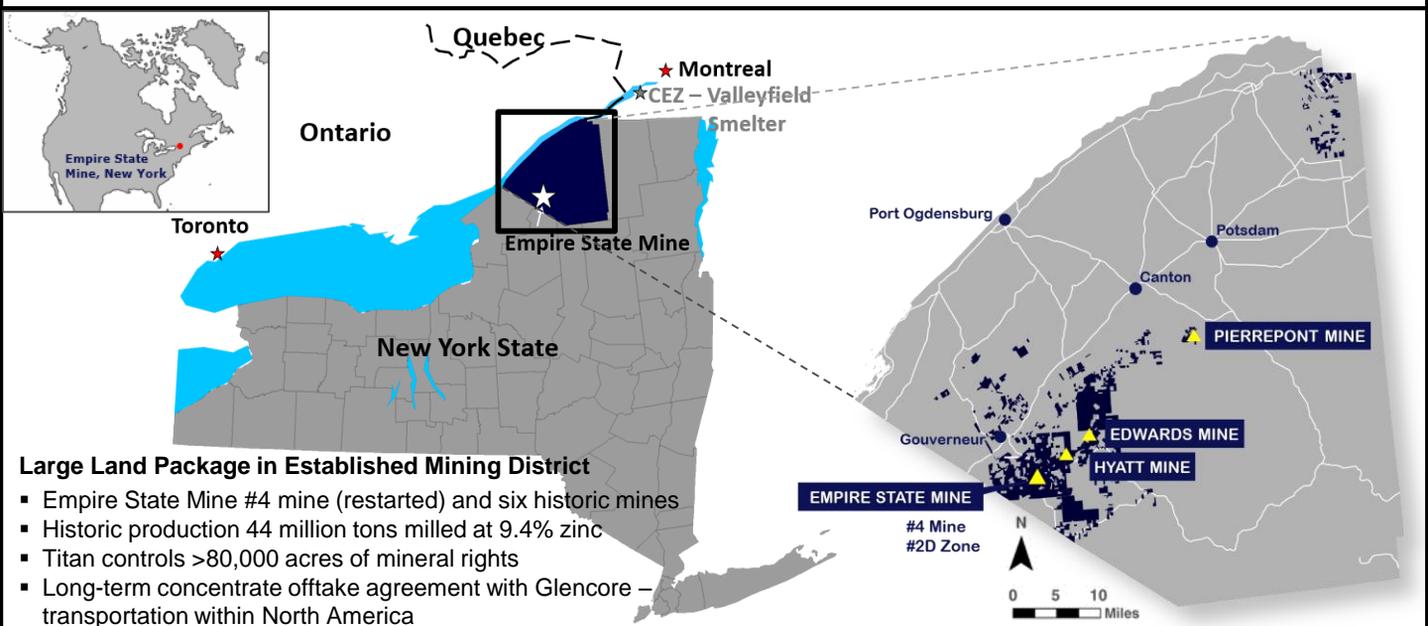
Drilling at ESM #4 mine



5,000 tpd mill



Leveraging Excess Capacity to Drive Organic Cash Flow Growth



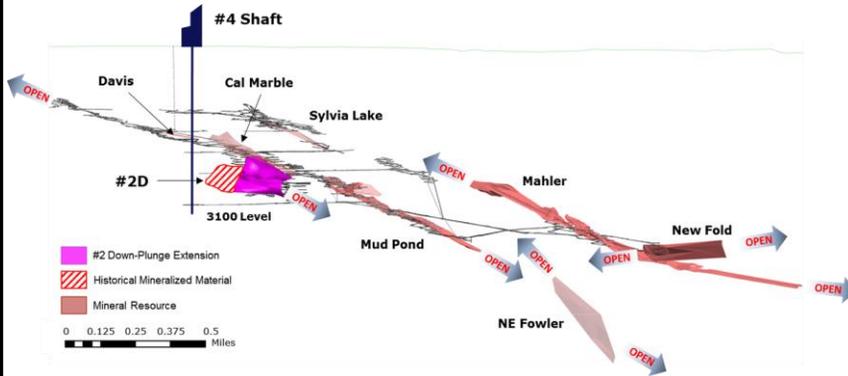
Large Land Package in Established Mining District

- Empire State Mine #4 mine (restarted) and six historic mines
- Historic production 44 million tons milled at 9.4% zinc
- Titan controls >80,000 acres of mineral rights
- Long-term concentrate offtake agreement with Glencore – transportation within North America

Toronto Stock Exchange Symbol	TI
Shares Outstanding	102.0 million
Fully Diluted Shares Outstanding	111.9 million
Market Capitalization (as of 12/3/2018)	C\$105 million
Management/Directors Ownership	~50%

- Executive Chairman Richard Warke and the Augusta Group of companies have generated extraordinary shareholder value
- CEO Donald Taylor is recipient of PDAC's 2018 Thayer Lindsley Award
- Board is experienced, well-rounded and connected. Key directors: John Boehner, Len Boggio, James Gowans, William Mulrow, George Pataki and Robert Wares.

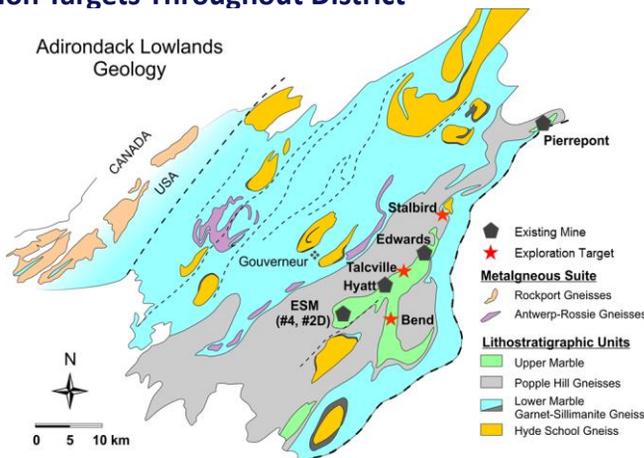
Realizing Mineral Resource Expansion Potential – Longitudinal View, #4 Mine and #2D Zone, Looking Northwest



Focus on Organic Cash Flow Growth

- New mine plan in H1/19 – target 3,000 tpd / 150 Mlb Zn per year near-term, filling the shaft with production from ESM #4 mine and #2D zone (close to #4 shaft)
- Fill the mill – target 5,000 tpd / 225 Mlb Zn per year medium-term, with existing mineral resources and near-mine resource additions
- Modernize the operation – improving efficiencies and lowering costs

New Ideas for a Prolific Zinc District – Exploration Targets Throughout District



World-Class Exploration Potential

- Highly prospective district – 100 years of historical data, many untested new ideas and a modern approach to exploration
- Potential for significant discoveries – targeting new discoveries in the 15 to 30 Mt range
- Target areas exhibit favourable host rocks, prospective structures and surface expressions of Zn mineralization
- Untested geophysical targets generated from 2008 VTEM survey
- Drill site selection from ongoing compilation and review of existing data

(1) The Company based its production decision on a preliminary economic analysis and not on a feasibility study of mineral reserves demonstrating economic and technical viability and, as a result, there is increased uncertainty and there are multiple technical and economic risks of failure associated with this production decision. These risks, among others, include areas that would be analyzed in more detail in a feasibility study, such as applying economic analysis to mineral resources and mineral reserves, more detailed metallurgy and a number of specialized studies in areas such as mining and recovery methods, market analysis, and environmental and community impacts. The PEA is preliminary in nature, uses inferred mineral resources that are considered too speculative geologically to have the economic considerations applied to them that would enable them to be categorized as mineral reserves, and there is no certainty that the results of the PEA will be realized. Mineral resources are not mineral reserves and do not have demonstrated economic viability. There is no certainty that all, or any part of the mineral resources estimated will be converted into mineral reserves.

(2) This fact sheet may make reference to certain non-IFRS measures. Non-IFRS measures are unlikely to be comparable to similar measures presented by other companies. For more information on the company's use and calculation of non-IFRS measures, please see the company's prospectus dated October 12, 2017.

Disclaimer: This Fact Sheet includes forward-looking statements. These forward-looking statements are based on a number of assumptions which, while considered reasonable by Titan Mining, are subject to risks and uncertainties.