TITAN

BUILT FOR GROWTH | augustagroup

Second Quarter 2026 Corporate Update

Building America's Next Critical Minerals Champion

August 12, 2026 | **NYSE-A: TII**
TSX: TI

FORWARD LOOKING INFORMATION

Forward-looking information includes, among other things, statements relating to: estimated future payable production of zinc, costs, AISC, sustaining capital, exploration capital, and margins; all guidance; future financial or operating performance and condition of Titan Mining Corporation (the “Company”); the Company's ability to implement its growth strategy to maximize the value of its property holdings; the Company's planned exploration and development activities at Empire State Mines, as well as results thereof; costs, timing and results of future exploration and drilling; Company goals; forecasted trends in the global zinc, graphite and germanium markets, including in respect of the price of such commodities; capital and operating cost estimates; economic analyses (including cash flow projections); the adequacy of the Company's financial resources; the estimation of mineral resources; the realization of mineral resource estimates; the probability of inferred mineral resources being converted into measured or indicated mineral resources; the production schedule and production estimates for Titan’s Empire State Mines (“ESM”) zinc and graphite operations; any updates to the mine plans and continuation of the drill program at the ESM; that sustaining capital expenditures will be weighted to the second half of 2026 and that full-year AISC will fall within guidance; the Company's ability to make scheduled payments of the principal, or to pay interest on or refinance its indebtedness; potential and ability to add incremental production at low cost; the ability for Kilbourne to be fast-tracked into production; the proposed timeline for the Kilbourne project, including that there will be a final investment decision at Kilbourne or that the Company will decide to proceed with construction or ramping up production; that ESM becomes the first commercial producer of US sourced and processed graphite, or a commercial producer of graphite at all; significant resource upside; potential ability to expand mineral resources; the future development of a Kilbourne facility; production and cost guidance; future exploration potential; when future LOM updates may be released; catalysts for Titan’s business and the indicative timing thereof; timing of a Feasibility Study for Kilbourne; the graphite development plan and indicative timeline; the ability to add incremental resources and production; projected zinc and graphite recoveries; that battery-grade spherical graphite has been confirmed across the full processing chain and that such results will be replicated at commercial scale; that the Company will have saleable product for its graphite production at Kilbourne and key product group applications with US domestic customer base therefor; operating parameters for the Facility; strategic introduction timelines; graphite product uses, customers and ability to add to revenues and margins; potential production of 40,000 tpa of graphite; zinc, graphite and germanium demand; assumed average graphite selling price and the potential for premium pricing; graphite product portfolio; the potential for a long life mine; target graphite product mix; potential to add to near term production and increase in mine life through drilling of exploration targets; multiple near-term catalysts to unlock significant valuation re-rating; that the conditional supply agreement with RHI Magnesita and the non-binding Letter of Intent with a U.S. manufacturer serving the aerospace, defense and advanced industrial sectors will advance to definitive supply agreements or commercial sales; the successful completion of industrial-scale production trials and customer qualification programs; the ability to expand supply to up to 10% of Kilbourne’s projected commercial tonnage; that the Company will build a commercial order book through further customer agreements and allocate production capacity for its commercial facility; the finalization of Business Terms Agreements with the U.S. Army and the construction and operation of the Kilbourne graphite purification plant on U.S. Army property under an Enhanced Use Lease; potential future financing of US$120 million from U.S. EXIM Bank for the Kilbourne Graphite Project, that this would fund a major share of Kilbourne's capital needs and enable capital efficient project development; strategic funding/policy incentive opportunities with DOE, DOW and White House; evaluation of recovery of Ge from ~13,000 kg/yr contained Ge; such estimate being derived from scavenger and pre-float tailings tonnages and grades under the Cooperation Agreement; potential recovery of germanium from existing process streams; confirmation of district-wide germanium enrichment and the evaluation of two concurrent processing pathways, being a pre-concentrate route to Teck’s Trail Operations and an owned or partnered hydrometallurgical facility; that the Company will meet any applicable feed specification for germanium-bearing material; and all timelines for future plans and work.

Forward-looking information is based on opinions, assumptions and estimates made by the Company in light of its experience and perception of historical trends, current conditions and expected future developments, as well as other factors that the Company believes are appropriate and reasonable in the circumstances, as of the date of this presentation, including, without limitation, assumptions about: equity and debt capital markets; the ability to raise any necessary additional capital on reasonable terms; that equity market conditions will permit the completion of a bought-deal or other equity financing on acceptable terms; the continued availability of the EXIM facility and that the expression of interest of up to US$120 million converts into committed financing; future prices of zinc, graphite and other metals; the timing and results of exploration and drilling programs; the likelihood of discovering new mineral resources in the Balmat-Edwards district; the accuracy in the Company’s most recent technical report of the mine production schedule; the production estimates; the geology and geophysical data of ESM; metallurgical forecasts; the economic analysis, capital and operating cost estimates; the accuracy of any mineral resource estimates; that customer qualification programs will be completed successfully and that Kilbourne product will continue to meet customer specifications, including any applicable feed specification for germanium-bearing material; the continuity of U.S. federal policy support for domestic critical minerals production, including programs administered by the U.S. Army, EXIM and DOE; the availability of third-party processing capacity on commercially acceptable terms; the successful integration of ESM into the Company's business; availability of labour; the accuracy of drill sample results at ESM; future currency exchange rates and interest rates; operating conditions being favourable; political and regulatory stability; the receipt of governmental and third party approvals, licenses and permits on favourable terms; obtaining required renewals for existing approvals, licenses and permits and obtaining all other required approvals, licenses and permits on favourable terms; sustained labour stability; stability in financial and capital goods markets; availability of equipment and the condition of existing equipment being as described in the Company’s most recent technical report; the absence of any long-term liabilities created by the mining activity in the Balmat region beyond those described in the Company’s most recent technical report; the accuracy of the Company's accounting estimates and judgments; the impact of adoption of new accounting policies; the Company's ability to satisfy the terms and conditions of its indebtedness; and the timing of a revised mine plan for ESM. There can be no assurance that such estimates and assumptions will prove to be correct. In addition, if any of the assumptions or estimates made by management prove to be incorrect, actual results and developments are likely to differ, and may differ materially, from those expressed or implied by the forward-looking information contained in this presentation. Accordingly, readers of this presentation are cautioned not to place undue reliance on such information.

Forward-looking information is necessarily based on a number of the opinions, assumptions and estimates that, while considered reasonable by the Company as of the date such statements are made, are subject to known and unknown risks, uncertainties, assumptions and other factors that may cause the actual results, level of activity, performance or achievements to be materially different from those expressed or implied by such forward-looking information, including but not limited to the following factors described in greater detail under the heading "Risk Factors" in the Company’s most recent Annual Information Form available at www.sedarplus.com: limited operating history; dependence on ESM; limited supplies, supply chain disruptions, and inflation; requirements for additional capital in the future; financial leverage and restrictive covenants restricting our current and future operations; risks related to ramping up mining activities; inherent risks of mining; estimates of mineral resources; production decisions based on mineral resources; uncertainty in relation to inferred mineral resources; fluctuations in demand for, and prices of, zinc, graphite and germanium; production projections and cost estimates for ESM #4 mine may prove to be inaccurate; profitability of the Company; ability to attract and retain qualified management; title; competition; governmental regulations; reliance on a limited number of graphite customers; the risk that non-binding letters of intent and conditional supply arrangements do not result in definitive agreements or commercial sales; dependence on third-party processing and refining capacity; risks associated with government contracting, Enhanced Use Leases and government-supported financing programs; market events and general economic conditions; environmental laws and regulations; threat of legal proceedings; rights, concessions and permits; social and environmental activism; land reclamation requirements; Tailings Management Facility and environmental reclamation; insurance; undisclosed liabilities; health and safety; dependence on information technology systems; fixed zinc pricing arrangements; conflicts of interest; risks inherent in the Company's indebtedness; risks inherent in acquisitions; integration of the mine assets; labour and employment retention/relations; anti-corruption and bribery regulation, including ESTMA reporting; infrastructure; enforceability of judgments; global outbreaks; absence of a market for the common shares; fluctuations in price of the common shares; loss of entire investment; significant ownership by Richard W. Warke; future sales of common shares by Richard W. Warke and other directors and officers of the Company; use of proceeds; payment of dividends; currency exchange rate risks; pro forma financial information; public company status; financial reporting and other public company requirements; dilution; and securities analysts' research or reports could impact the price of the common shares. These factors and assumptions are not intended to represent a complete list of the factors and assumptions that could affect the Company. These factors and assumptions, however, should be considered carefully. Currency is in US dollars and tonnage is in short tons unless otherwise indicated. Other than as required by securities laws, Titan assumes no responsibility for updating the forward-looking information in this presentation.

Participants On The Call

Empire State Mine Processing Facility

Rita Adiani
President & CEO

Rick Pozzebon
Chief Financial Officer

Joel Rheault
Vice President, Operations

Q2 2026 Key Highlights

Strong Operational Performance and Advancing the U.S. Critical Minerals Platform

OPERATING AND FINANCIAL

17.5M lbs	$25.7M	$9.6M	$0.88 /lb	$29.1M
Payable zinc production	Revenue	Adjusted EBITDA(1)	C1 cash cost(1)	Available liquidity
+13% YoY, ahead of plan	+57% YoY	Record quarter, +272% YoY	AISC $0.96, below guidance	Net debt down 47% YoY

STRATEGIC PROGRESS

CUSTOMERS
First two Kilbourne customer agreements signed, including with a global refractory leader(2)

U.S. FEDERAL SUPPORT
Conditionally selected for Enhanced Use Lease arrangements at two strategic defense installations

GRAPHITE
Battery-grade spherical graphite confirmed across the full processing chain; fully funded 40ktpa feasibility study on schedule(2)

GERMANIUM
District-wide enrichment confirmed; evaluating ~13,000 kg/yr of contained Ge from existing tailings streams(3)

(1) C1 Cash Cost, AISC and Adjusted EBITDA are non-GAAP measures and presented in US dollars. Accordingly, these financial measures are not standardized financial measures under IFRS and might not be comparable to similar financial measures disclosed by other issuers. Information explaining these non-GAAP measures is set out in the Company's most recent MD&A under the section titled, "Non-GAAP Financial Measures" which disclosure is incorporated by reference herein. The Company's most recent MD&A can be found on SEDAR+ at www.sedarplus.com
(2) Subsequent to quarter-end. Comprises a conditional supply agreement with RHI Magnesita and a non-binding Letter of Intent with a U.S. aerospace and defense manufacturer, each subject to conditions including completion of the Feasibility Study, financing, permitting and customer qualification.
(3) Based on the Cooperation Agreement, which contemplates evaluation of the potential for approximately 13,000 kg/year of germanium from scavenger and pre-float tailings.

Graphite Commercialization

First customer agreements signed for Kilbourne graphite

REFRACTORY | CONDITIONAL SUPPLY AGREEMENT

RHI Magnesita

- Global leader in refractory products
- Laboratory qualification confirmed Kilbourne graphite meets the specifications required for the customer's refractory applications
- Commercial-scale testing has commenced within the customer's manufacturing operations
- Covers an initial volume, expandable to up to 10% of Kilbourne's projected commercial tonnage on successful completion of the production trial

AEROSPACE & DEFENSE | LETTER OF INTENT

U.S. Manufacturer

- Serves the aerospace, defense and advanced industrial sectors
- Supply of natural graphite products from Titan's planned commercial facility in New York
- Customer has initiated qualification testing using samples from the operating demonstration plant, with early positive results

DEMONSTRATION PLANT

Operating today, supplying the real material customers are qualifying against

ORDER BOOK

Building through a series of similar agreements toward allocating commercial capacity with robust pricing

NEXT MILESTONE

Fully funded 40ktpa feasibility study on schedule; construction decision targeted early 2027

Both agreements were announced subsequent to quarter-end, on July 29 and August 5, 2026, and remain subject to conditions, including completion of the Feasibility Study, project financing, receipt of required regulatory approvals, successful completion of customer qualification and negotiation of definitive agreements.

Unlocking a Critical Mineral from Existing Operations

District-wide Germanium Enrichment Confirmed: Leveraging Existing Tailings And Current Zinc Operations For Potential Incremental Value

2026 PROGRESS

- ✓ **District-wide characterization confirmed**
  6 underground ore bodies + 2 tailings facilities
- ✓ **Cooperation agreement signed with Teck(1)**
  May 2026 — advancing a pathway toward commercial germanium recovery
- ◐ **Prioritization, deportment and recovery test work**
  Underway; informs both pathways below

two concurrent pathways

1 NEAR TERM · LOW CAPITAL
Teck / Trail pre-concentrate

- **Process development to meet Trail's feed specification**
- **Technical validation and economic assessment of the pre-concentrate route**
- **Potential commercial arrangement with Teck**

2 DISTRICT SCALE · OPTIONALITY
Standalone Pathway

- **Resource definition and metallurgical confirmation at priority targets**
- **Evaluate development alternatives (build, partner or JV)**
- **Economic assessment and processing decision**
- **Potential commercial partnerships**

Complementary, not sequential — the Trail route provides a de-risked near-term commercialization pathway, while district-scale mineralization supports evaluation of a longer-term development opportunity with continued partnership with Teck

ESM WELL POSITIONED TO ADVANCE A DOMESTIC GERMANIUM SUPPLY OPPORTUNITY

(1) Based on the Cooperation Agreement announced May 13, 2026, which contemplates evaluation of the potential for approximately 13,000 kg/year of contained germanium, derived from scavenger and pre-float tailings tonnages and grades. Teck's Trail Operations is the largest commercial-scale facility in North America recovering germanium from primary sources.

Empire State Mine – Zinc Operations

Consistent Zinc Performance Supporting Sustained Cash Flow and Growth

Empire State Mine

2026 GUIDANCE

62-66 mlbs
Zn Payable Production

$0.93-$1.01
C1 Cash Cost[1] per payable lb

$1.07-$1.17
AISC[1] per payable lb

$8.5-$8.9 m
Sustaining Capital

$3.5-$3.9 m
Exploration Capital

ZINC PAYABLE PRODUCTION (MLBS)

- Q2'26 production of 17.5M lbs payable zinc delivered ahead of plan (H1'26: 31.7M lbs), with C1 cash costs of $0.88/lb and AISC of $0.96/lb
- Q1 production shortfall fully recovered — high-grade pillar recovery in Lower Mahler and longhole stoping at the Mud Pond Apron delivered above-target grades and tonnes
- Mine development advanced on schedule — New Fold–Mahler connection completed, improving ventilation in the lower zones
- 2026 guidance reaffirmed: 62–66M payable lbs, C1 $0.93–$1.01/lb, AISC $1.07–$1.17/lb, with sustaining capital weighted to H2

1) C1 Cash Cost and AISC are non-GAAP measures and presented in US dollars. Accordingly, these financial measures are not standardized financial measures under IFRS and might not be comparable to similar financial measures disclosed by other issuers. Information explaining these non-GAAP measures is set out in the Company's most recent MD&A under the section titled, "Non-GAAP Financial Measures" which disclosure is incorporated by reference herein. The Company's most recent MD&A can be found on SEDAR+ at www.sedarplus.com

Kilbourne Graphite Project

Advancing a Domestic U.S. Graphite Supply Chain — Feasibility Study On Schedule, Construction Decision Targeted Early 2027[(1)]

40,000 tpa
Planned commercial facility

1,200 tpa
Demonstration facility, scalable to 2,500 tpa

$5.3M / $20.7M
Feasibility study budget incurred to June 30

Kilbourne Demonstration Facility

FEASIBILITY STUDY

Fully funded 40ktpa study remains on schedule. Mine design, reserve conversion, flowsheet optimization and capital and operating cost estimates all advancing.

DEMONSTRATION FACILITY

Throughput and concentrate grade both improved through process and mechanical changes, and the first large-volume customer shipment was delivered in June.

PERMITTING AND SITE

Permitting advancing alongside engineering, supported by environmental baseline programs. Finalizing Business Terms Agreements with the U.S. Army for the purification plant.

2025
- PEA Completed
- Concentrate Production at Demo Facility
- Resource Expansion

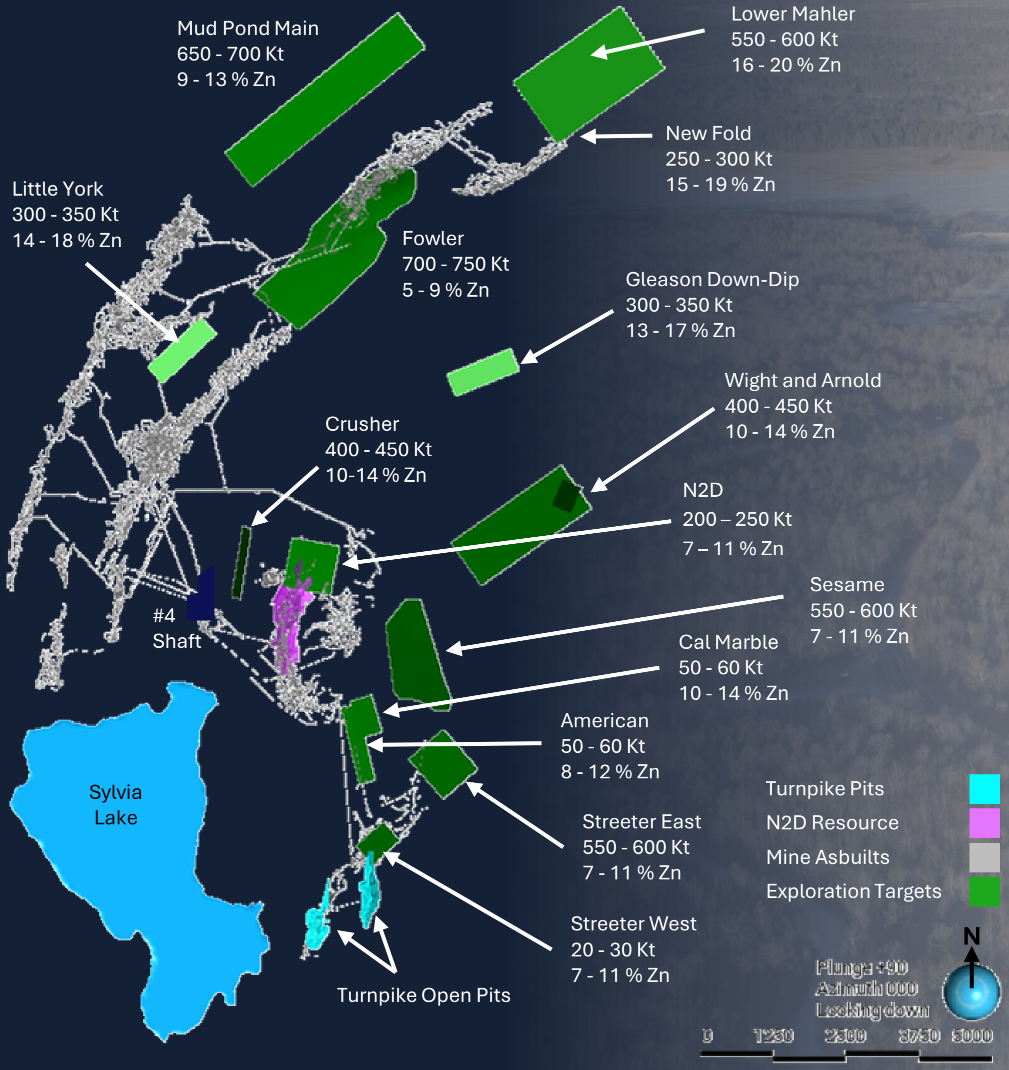
2026
- Secondary Transformation work
- FS Completion
- Key Permits

2027
- FID[(1)]
- Construction

2028
- Ramp Up to Production

(1) Commercial production decision to be based on positive results through the Company's feasibility study, permitting, development plan, board approval, and financing

Exploration and Resource Advancement



Land position of over 120,000 acres in St. Lawrence County, New York.

UNDERGROUND DRILLING

9,100 ft across 18 holes supports near-mine resource expansion

Mud Pond, Lower Mahler and New Fold; Little York and Bend targets tested

KILBOURNE

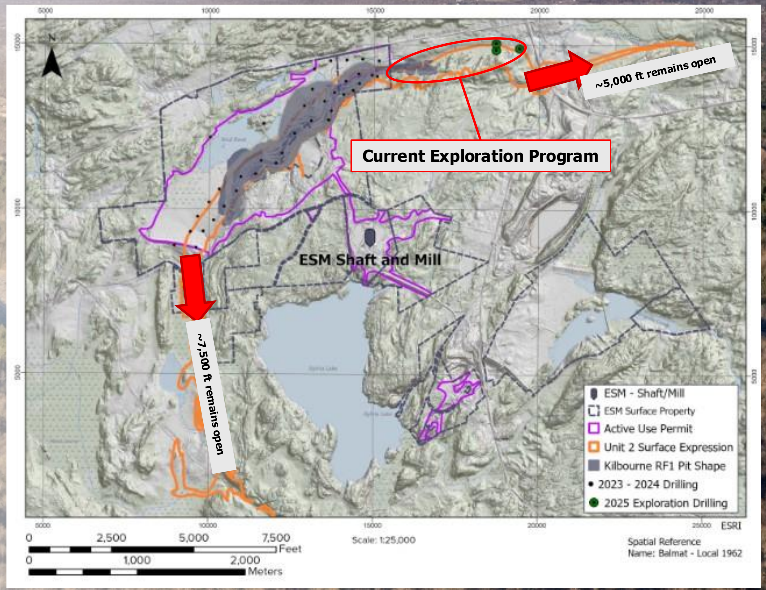
Hole KX26-080: 2.8% Cg over 106.5 ft, including 3.3% Cg over 49.9 ft

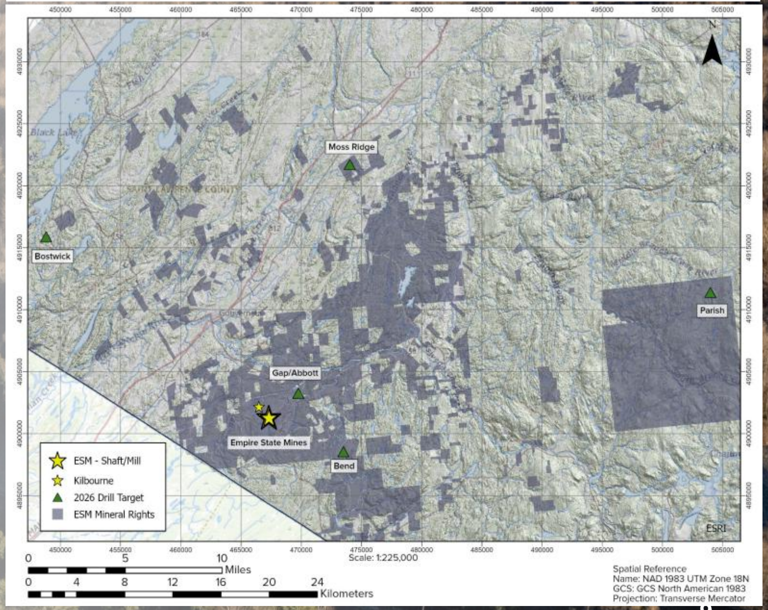
2,278 ft across seven holes, including geotechnical support for the Feasibility Study

NEW TARGET: BEND

A second potential graphite target on Titan's land package

Graphitic unit analogous to the host of the Kilbourne deposit





Financial Highlights

Q2 2026

17.2 mlbs
Payable zinc sold
+7% YoY

$1.57/lb
Average provisional zinc price
+31% YoY

$0.96/lb
AISC[(1)]
Below guidance

$25.7m
Revenue
+57% YoY

$9.6m
Adjusted EBITDA[(1)]
+272% YoY

$12.8m
Net debt[(1)]
47% YoY improvement

Q2 2025						
	16.0 mlbs	$1.20 /lb	$0.90 /lb	$16.3m	$2.6m	$24.2m
	Payable zinc sold	Average provisional zinc price	AISC[(1)]	Revenue	Adjusted EBITDA[(1)]	Net debt[(1)]

1) C1 Cash Cost, AISC, Net Debt and adjusted EBITDA are non-GAAP measures and presented in US dollars. Accordingly, these financial measures are not standardized financial measures under IFRS and might not be comparable to similar financial measures disclosed by other issuers. Information explaining these non-GAAP measures is set out in the Company's most recent MD&A under the section titled, "Non-GAAP Financial Measures" which disclosure is incorporated by reference herein. The Company's most recent MD&A can be found on SEDAR+ at www.sedarplus.com

Growth and Value Creation in Critical Minerals

Executing on a Scalable U.S. Critical Minerals Platform

THE BASE

Strong Operational Foundation

THE GROWTH

Advancing Graphite Platform

THE OPTION

Germanium Optionality

Multiple Near-term Catalysts To Unlock Significant Valuation Re-rating

SCIENTIFIC AND TECHNICAL INFORMATION

The scientific and technical information contained in this presentation related to zinc and graphite was based upon the technical report titled "Empire State Mines 2025 NI 43-101 Technical Report, Gouverneur, New York, USA" which has an effective date of December 1, 2025, and which was approved by the following qualified persons: Donald R. Taylor, MSc, PG; Todd McCracken, P. Geo.; Bahareh Asi, P. Eng., David Willock, P. Eng.; Deepak Malhotra, SME Registered Member; Oliver Peters, MSc, P.Eng.; Derick de Wit, FAusIMM; and Steven M. Trader, PG, CPG, each of whom is a “Qualified Person” as defined by NI 43-101. All are independent of Titan, other than Mr. Donald Taylor, who is on Titan’s board of directors. The scientific and technical information contained in this presentation related to germanium was derived from the Company's news releases dated, May 13, 2026 and April 16, 2026, which were approved by Oliver Peters, MSc, P.Eng.

TITAN

NYSE-A:**TII** | **BUILT FOR GROWTH**
TSX: **TI**

NEW YORK

408 Sylvia Lake Rd
Gouverneur, New York
NY 13642
info@titanminingcorp.com
315-287-2500

VISIT US AT TITANMININGCORP.COM