

## ASX RELEASE

16<sup>th</sup> October 2024

## Successful \$8m Capital Raise to Accelerate Commercialisation of FJH Technology

**HIGHLIGHTS:**

- **Successful \$8M Capital Raise:** Strong investor demand from new and existing sophisticated investors provides funding to enable accelerated development of MTM's innovative Flash Joule Heating (FJH) technology.
- **1-TPD FJH Demonstration Plant on Track:** Design progressing well for 1 ton per day FJH demonstration plant, marking a significant step towards commercial operations.
- **Strategic Partnerships & Growth:** The funds will accelerate industry collaborations and the commercialisation of critical metal extraction, including gallium and indium from semiconductor waste, gold, copper, and palladium from e-waste, and the processing of refractory ores including lithium, niobium, rare earths, and antimony.

**MTM Critical Metals Limited (ASX: MTM)** ("MTM" or "the Company") is pleased to announce the successful completion of an oversubscribed \$8 million capital raise. The funds raised will be used to accelerate the commercialisation of the Company's innovative Flash Joule Heating (FJH) technology and drive further development across key strategic areas. The placement received strong demand from existing and new investors, demonstrating confidence in MTM's strategy and growth potential.

MTM is an emerging Industrial Technology company with disruptive potential in the critical and precious metals sectors. Recent advancements in metal recovery testing of the FJH technology marks a critical milestone in its path to commercialisation. The FJH process offers a sustainable, efficient solution for metal recovery from ores and waste, delivering significant environmental and economic benefits versus incumbent techniques.

The Company is making strong progress on its 1-ton-per-day Demonstration Plant, which will showcase the scalability and commercial viability of FJH across multiple applications, including gallium recovery from semiconductor waste, lithium extraction from spodumene ore and a broader e-waste recycling program. Collaborations with industry leaders are already underway, with additional partnerships expected as the company continues to grow, enabling the onshoring of critical mineral supply.

**MTM Chief Executive Officer, Michael Walshe, said:** *"We are thrilled with the strong support received for this capital raise, which enables MTM to fast-track the commercialisation of our Flash Joule Heating technology. The substantial demand from investors reflects the strategic importance of our projects, particularly in addressing global supply challenges for critical metals such as gallium, indium and lithium."*

*"With the \$8 million raised, we are now in an even stronger position to accelerate the development of our 1-ton-per-day demo plant and capitalise on the significant interest we've generated from potential industry partners. This funding brings us closer to delivering on our vision of revolutionising the metal recovery industry while enhancing MTM's long-term growth and shareholder value".*

**Placement Details:**

Firm commitments for a 2-Tranche Placement were made to subscribe for approximately 123 million new fully paid ordinary shares in the Company ("New Shares") to professional and sophisticated investors at the issue price of \$0.065 per share ("Issue Price") to raise approximately \$8.0 million (before costs).

- **Tranche 1** Placement: unconditional placement of approximately 64.7 million New Shares under the Company's existing ASX Listing Rule 7.1 and 7.1A placement capacity, at the Issue Price of \$0.065 to raise approximately \$4.2 million (before costs);
- **Tranche 2** Placement: conditional placement of up to approximately 58.4 million Shares at the Issue Price of \$0.065 to raise \$3.8 million; subject to shareholder approval.

The Issue Price of \$0.065 per New Share is a 3% discount to the 30-Day volume weighted average price ("VWAP") and a discount of 14% to the 5-Day VWAP as at close of trading on 11 October 2024.

- Subject to shareholder approval under ASX Listing Rule 10.11, all Directors of the Company have committed to increase their shareholding in the Company via the second tranche of the Placement. Directors and Key Management Personnel have subscribed for a combined amount of \$150K of Shares in the Placement.
- The New Shares will rank equally with existing ordinary shares on issue.
- In coming weeks, MTM will convene a meeting of shareholders to seek approval for the Tranche 2 New Shares to be issued under the Placement.
- The Tranche 1 Placement Shares are expected to be issued on or about **Monday 21 October 2024** and the Tranche 2 Placement Shares will be issued following shareholder approval, expected to be by the end of November 2024.

The successful capital raise was managed by Joint Lead Managers **Peloton Capital** and **Sandton Capital Advisory**, who played a pivotal role in securing strong interest from investors.

**Use of Funds:**

The capital raised will primarily be allocated towards:

- **1-tonne-per-day (TPD) FJH Demonstration Plant:** This flagship project is progressing rapidly, with design work well underway. The funds will allow MTM to expedite the plant's construction and commissioning, marking a key step towards scaling commercial operations.
- **Strategic Partnership Developments:** The Company is actively engaged in discussions with international industrial partners, focused on leveraging the FJH technology across multiple applications, including **gallium** extraction from waste streams, **lithium** refining from spodumene concentrate, and **e-waste** processing.
- **General Working Capital:** To support MTM's ongoing operations and growth initiatives, including advancing test work on new feedstock materials and technology development.
- **Exploration:** Progressing with the Company's existing portfolio of minerals exploration assets.
- **Capital Raise costs:** the Joint Lead Managers will receive a management fee of 2% of the funds raised and a selling fee of 4% of the funds raised. In addition, the Joint Lead Managers will receive 20 million options (exercise price \$0.12, expiry date 24 months from issue) ("Lead Manager Options"). If any of the Lead Manager Options are exercised within 12 months of being issued, there will be an issue of 1 new option for every 2 options exercised which will have an exercise price of \$0.18 and exercise period of 36 months.

### MTM's Strategic Focus:

MTM is focused on commercialising its FJH technology, a breakthrough platform that enables more efficient metal extraction from both ores and waste streams. Key applications include:

**Gallium:** The Company's FJH technology has demonstrated successful recovery of gallium, a critical metal in high demand due to global supply constraints.

**Lithium:** MTM's advanced process for spodumene concentrate offers a significant reduction in energy usage and emissions, supporting the rapidly growing lithium-ion battery market.

**E-Waste Recycling:** FJH offers a sustainable solution for recovering valuable metals such as gold, copper, and palladium from electronic waste, contributing to the circular economy.

### Investor Webinar:

MTM invites shareholders to join a **webinar** today, 16<sup>th</sup> October 2024, where the Company will provide updates on its latest developments and future plans. The webinar will be held via Zoom at 11:00 am AEDT / 8:00 am AWST.

To attend the live session, please register via the following link:

[https://us02web.zoom.us/webinar/register/WN\\_cB-UdgXLS9y0Nm66NsP3dA](https://us02web.zoom.us/webinar/register/WN_cB-UdgXLS9y0Nm66NsP3dA)

Following the presentation, webinar attendees will have the opportunity to submit questions directly to management during a moderated Q&A session.

**This announcement has been authorised for release by the Board of Directors.**

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## PREVIOUS DISCLOSURE

The information in this announcement is based on the following MTM Critical Metals Limited ASX announcements, which are all available from the MTM Critical Metals Limited website [www.mtmcriticalmetals.com.au](http://www.mtmcriticalmetals.com.au) and the ASX website [www.asx.com.au](http://www.asx.com.au).

Date	Description
03/04/2024	Flash Joule Heating Prototype Complete, Testing Commenced
06/05/2024	Flash Joule Heating Prototype Test Increases REE Recovery
31/05/2024	Global Licence Agreement Secured for Flash Joule Heating Technology with Rice University
24/06/2024	Positive Advances with Metal Recovery Test Work
09/07/2024	Positive Lithium Extraction Results from Flash Joule Heating
13/08/2024	Addition of Chlorination enhancement to FJH Licence
21/08/2024	Flash Joule Heating converts Spodumene to Lithium Chloride
27/08/2024	Gallium Recovered from Semiconductor Waste Using FJH Tech
06/09/2024	MTM Advances FJH Commercialisation with 1 TPD Demo Plant
12/09/2024	High Gold Recovery from E-Waste using FJH Technology
18/09/2024	Further Advances in Lithium Refining with Flash Joule Heat
25/09/2024	High Silver & Copper Recovery from e-Waste using FJH
08/10/2024	High Multi-Metal Recovery from E-Waste incl. Palladium & Tin

The Company confirms that it is not aware of any new information or data that materially affects the information included in the original ASX announcements and that all material assumptions and technical parameters underpinning the relevant ASX announcements continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are represented have not been materially modified from the original ASX announcements.

## ABOUT MTM CRITICAL METALS LIMITED

MTM Critical Metals Limited is a dynamic company with a dual focus on mineral exploration and metal recovery technology development. We hold exploration assets prospective for niobium (Nb), rare earth elements (REE), and gold, strategically located in Western Australia and Québec. Additionally, we possess exclusive licensing rights to the innovative Flash Joule Heating technology, a cutting-edge metal recovery and mineral processing method developed by esteemed researchers at Rice University, USA.

Flash Joule Heating (FJH) is an advanced electrothermal process that enhances metal recovery and mineral processing compared to traditional methods. By rapidly heating materials in a controlled atmosphere, FJH efficiently extracts metals like lithium from spodumene, gallium from scrap, and gold from e-waste, among others. This technology has the potential to revolutionise metal recovery by reducing energy consumption, reagent use, and waste, offering a more economical and environmentally friendly alternative.

MTM's West Arunta Nb-REE exploration assets are situated in one of Australia's premier exploration hotspots, where over \$60 million has been invested by ASX-listed companies such as WA1 Resources, Encounter Resources, Rio Tinto (in JV with Tali Resources), and IGO Limited. MTM also holds tenements in other key mineral regions across Western Australia, including the Mukinbudin Nb-REE Project, East Laverton Gold & Base Metals Project, and Mt Monger Gold Project. In Québec, the Pomme Project is a highly promising carbonatite intrusion rich in REE and niobium, located near the world-class Montviel deposit.