

## Verification of Historical records and Strategic Meetings Propel Bleiberg Zinc-Germanium Project Forward in Austria

*Successful in-country engagement paves way for BM8 exploration planning*

### HIGHLIGHTS

- Dr Simon Dorling and CEO Nigel Broomham conducted a three day mapping and ground truthing program on the historical records validating the digitized extensive historical data, including topographic information, geological maps, underground mine workings, and exploration drilling datasets, from the 1970s to the late 1980s
- All historical data points were located in the field and on the Company's exploration tenure.
- Successful local engagement meetings held with stakeholders and service providers.
- The Company received a positive reception and support from the mayor's offices in both Bad Bleiberg and St. Stefan where future exploration activities and timelines were discussed
- Planning is now underway for a targeted maiden drilling campaign for which the Company is primarily focused on early-stage exploration for Germanium and Gallium, both highly strategic minerals used in a range of specialist application
- At time of its closure, the Bleiberg mine was the 6<sup>th</sup> largest producer of Germanium globally and one of the largest outside of China<sup>1</sup> and although not historically produced at Bleiberg, Gallium mineralisation has also been identified in the historical workings, with grades ranging between 90-110g/t<sup>2</sup>.

Battery Age Minerals Ltd (ASX: **BM8**; "**Battery Age**" or "**the Company**") is pleased to advise that CEO, Nigel Broomham and Chief Geological Advisor, Dr Simon Dorling have recently completed a successful field work program to verify the detailed and high-quality datasets obtained from the Bleiberg Zinc-Lead-Germanium Mine in Austria.

The team conducted mapping and ground truthing programs over three days verifying historical records where all historical data points were located in the field and on the Company's exploration tenure. This will allow the Company to actively program a detailed highly prospective future ground work program before the maiden drilling campaign begins.

The Company held meetings with local stakeholders and service providers as well as the Mayor's office in both Bad Bleiberg and St. Stefan. The Company discussed the sequence of

work, exploration plans and objectives with the relative Mayor's as well as the Company's intention to positively engage and consult with the local community.

The collected data encompasses topographic information, geological maps and sections, underground mine workings and developments, exploration drilling datasets, and all relevant reports on exploration, production, and technical aspects from the 1970s to the late 1980s.

The Company's exploration team has collaborated closely with the in-country GKB-Bergbau GmbH team to validate QA/QC and leverage their extensive geological and mining expertise in the region. With the data now collated and digitized, the Battery Age team is exceptionally well-positioned to develop a targeted exploration plan.



*Figure 1 – CEO Nigel Broomham and Dr Simon Dorling with Bad Bleiberg Mayor Christian Hecher, members of the Mayors office and local community*



## Germanium and Gallium: Strategic Significance and Opportunities

The strategic importance of Germanium has been underscored by recent developments, including the Taiwan Semiconductor Manufacturing Company Limited (TSMC) announcing plans to increase Germanium use in next-generation Si-Ge chips due to its superior electron mobility compared to Silicon. Additionally, China's export restrictions on the mineral further enhance its strategic value. This positions BM8 favourably to explore and meet the growing demand for Germanium.

Gallium arsenide, essential in manufacturing semiconductor wafers, offers advantages over silicon, including higher frequency operation, heat resistance, and reduced noise at high frequencies. These properties make it valuable for radars, radio communication devices, satellites, and LEDs.

The U.S., EU, Japan, India, and Australia have all designated Germanium and Gallium as critical minerals due to their importance, concentration and scarcity. This highlights a significant strategic opportunity for Battery Age and the Bleiberg Project, which is well-positioned to disrupt the rigid supply chain for these vital semiconductor materials.

The Company is planning to expedite Germanium and Gallium exploration in Austria alongside its ongoing work at the Falcon Lake Lithium Project in Canada.

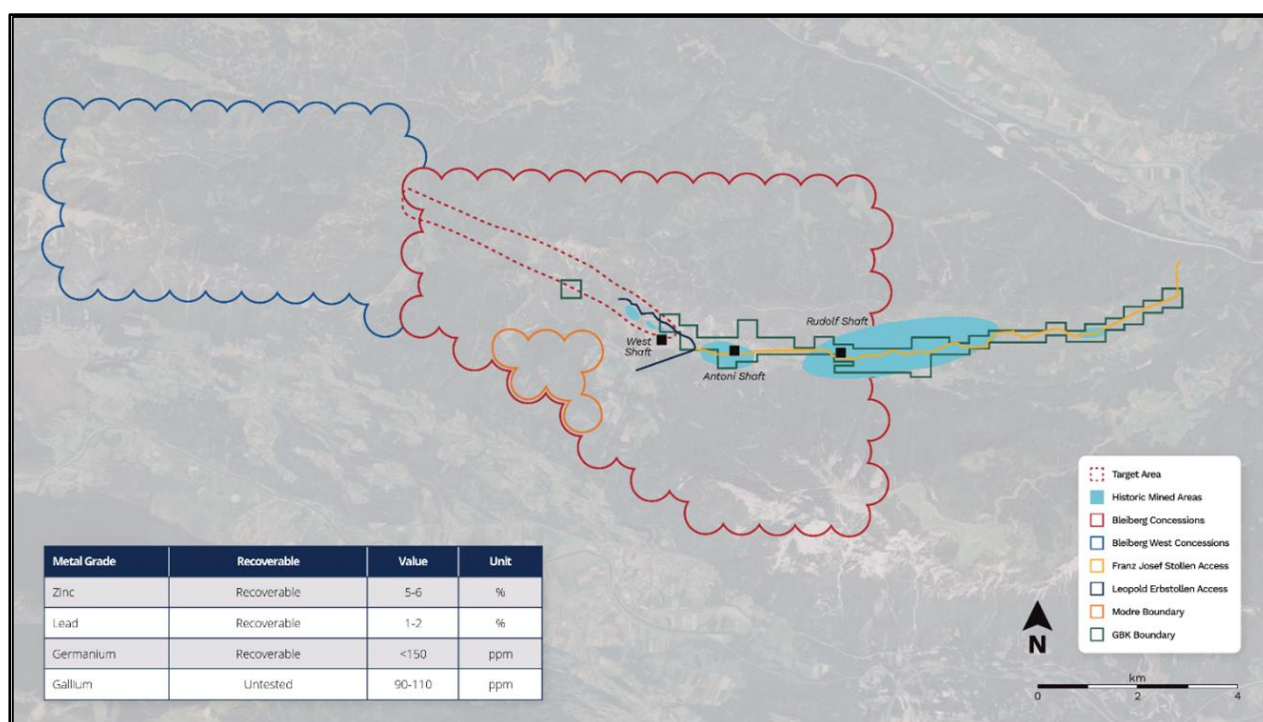


Figure 3 – Identified mineralised trend located along strike from historical workings. Inset table demonstrates historical data for the Bleiberg Mine from previous workings <sup>12, 9</sup>.

### Battery Age CEO Nigel Broomham commented:

*"We are thrilled with the positive outcomes of our recent strategic meetings and fieldwork verification at the Bleiberg Zinc-Lead-Germanium Mine in Austria. Our discussions with the mayors of Bad Bleiberg and St. Stefan were highly productive, and we were warmly received. These meetings allowed us to outline our exploration plans and ambitions, as well as our commitment to engaging and consulting with the local community."*

*The successful collaboration between our exploration team and GKB-Bergbau GmbH has been instrumental in validating our QA/QC processes and leveraging their extensive geological and mining expertise. With the recent acquisition and digitization of comprehensive historical data, including topographic information, geological maps, underground mine workings and exploration drilling datasets, we are exceptionally well-positioned to develop a targeted exploration plan for the Bleiberg Project.*

*This project represents a significant opportunity for Battery Age, and we are confident in our ability to advance our exploration efforts and unlock the full potential of this strategically important site."*

Release authorised by the Board of Battery Age Minerals Ltd.

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### Compliance Statement

This announcement contains information on the Bleiberg Project extracted from an ASX market announcements dated 8 December 2022, 2 February 2023, 13 July 2023, 26 February 2024, 26 March 2024, 23 April 2024 and 16 May 2024 released by the Company and reported in accordance with the 2012 edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves" (JORC Code). The original market announcement is available to view on [www.batteryage.au](http://www.batteryage.au) and [www.asx.com.au](http://www.asx.com.au). Battery Age is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources (as that term is defined in the JORC Code) that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

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  9. Refer to earn-in terms and structure set out in the Company's Prospectus dated 7 December 2022, and announcement 16 May 2024.