Issuer Free Writing Prospectus dated September 24, 2025 Relating to Preliminary Prospectus Supplement dated September 24, 2025 Filed pursuant to Rule 433 Registration Statement No. 333-268445

### Mirion Technologies Announces Proposed Public Offering of Class A Common Stock

Atlanta, GA – September 24, 2025 (GLOBE NEWSWIRE) – Mirion Technologies, Inc. ("Mirion") (NYSE: MIR) today announced the commencement of an underwritten public offering of \$350.0 million of shares of Mirion's Class A common stock (the "common stock offering"). Mirion also intends to grant the underwriters a 30-day option to purchase up to an additional \$50.0 million of shares of its Class A common stock at the public offering price, less underwriting discounts and commissions. The common stock offering is subject to market and other conditions, and there can be no assurance as to whether or when the common stock offering may be completed or as to the actual size or terms of the common stock offering.

Goldman Sachs & Co. LLC, Evercore ISI, Citigroup and Morgan Stanley are acting as joint book-running managers for the common stock offering.

Mirion expects to use the net proceeds from the common stock offering, together with the net proceeds from Mirion's concurrent convertible notes offering (as defined below), if consummated, to (i) pay the cost of the capped call transactions to be entered into with one or more of the initial purchasers in the concurrent convertible notes offering or affiliates thereof and/or other financial institutions in connection with the pricing of the concurrent convertible notes offering and (ii) fund its planned acquisition of all of the outstanding membership interests of WCI-Gigawatt Intermediate Holdco, LLC, as the indirect parent of Paragon Energy Solutions, LLC (the "Acquisition"), with the remainder for general corporate purposes. If the Acquisition is not consummated for any reason, Mirion expects to use the net proceeds from the common stock offering, together with the net proceeds from the concurrent convertible notes offering, if consummated, remaining after payment of the cost of the capped call transactions for general corporate purposes.

In a separate press release and concurrently with the common stock offering, Mirion also announced today its intent, subject to market and other conditions, to offer \$250.0 million aggregate principal amount of its Convertible Senior Notes due 2031 (the "notes") to persons reasonably believed to be qualified institutional buyers pursuant to Rule 144A under the Securities Act of 1933, as amended (the "concurrent convertible notes offering" and, together with the common stock offering, the "offerings"). Mirion also intends to grant to the initial purchasers in the concurrent convertible notes offering an option to purchase, within a 13-day period beginning on, and including, the date on which the notes are first issued, up to an additional \$37.5 million aggregate principal amount of notes. The completion of the common stock offering is not contingent on the completion of the concurrent convertible notes offering, and the completion of the concurrent convertible notes offering.

The common stock offering will be made pursuant to a shelf registration statement, including a base prospectus, that was filed with the Securities and Exchange Commission (the "SEC") on November 17, 2022, and declared effective on November 28, 2022. The common stock offering will be made only by means of a prospectus supplement and the accompanying prospectus.

Before you invest, you should read the prospectus supplement and the accompanying prospectus and the other documents Mirion has filed or will file with the SEC for more complete information about Mirion and the common stock offering. You may get these documents for free by visiting EDGAR on the SEC's website at www.sec.gov. Alternatively, copies of the preliminary prospectus supplement and the accompanying prospectus may be obtained by contacting Goldman Sachs & Co. LLC, Attention: Prospectus Department, 200 West Street, New York, New York 10282, telephone: 866-471-2526, or by emailing prospectus-ny@ny.email.gs.com; or Evercore Group L.L.C., Attention: Equity Capital Markets, 55 East 52nd Street, 35th Floor, New York, New York 10055, telephone: 888-474-0200, or by emailing ecm.prospectus@evercore.com.

This press release shall not constitute an offer to sell or a solicitation of an offer to buy any of the securities being offered in the offerings, nor shall there be any offer or sale of any securities in any state or jurisdiction in which such offer, solicitation or sale would be unlawful prior to the registration or qualification under the securities laws of any such state or jurisdiction.

#### **Forward-Looking Statements**

This press release contains forward-looking statements, including statements concerning the proposed terms of the offerings, the completion, timing and size of the proposed offerings, the grant to the underwriters in the common stock offering of the option to purchase additional shares, the grant to the initial purchasers in the concurrent convertible notes offering of the option to purchase additional notes and the anticipated use of proceeds from the offerings. The words "believe," "may," "will," "estimate," "continue," "anticipate," "intend," "expect," "seek," "plan," "project," "target," "looking ahead," "look to," "move into," and similar expressions are intended to identify forward-looking statements. Forward-looking statements represent Mirion's current beliefs, estimates and assumptions only as of the date of this press release and information contained in this press release should not be relied upon as representing Mirion's estimates as of any subsequent date. These forward-looking statements are subject to risks, uncertainties, and assumptions. If the risks materialize or assumptions prove incorrect, actual results could differ materially from the results implied by these forward-looking statements. Risks include, but are not limited to market risks, trends and conditions. These risks are not exhaustive. Further information on these and other risks that could affect Mirion's results is included in its filings with the SEC, including its Annual Report on Form 10-K for the year ended December 31, 2024, its Quarterly Report on Form 10-Q for the quarter ended June 30, 2025 and the future reports that it may file from time to time with the SEC. Mirion assumes no obligation to, and does not currently intend to, update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

#### **About Mirion**

Mirion (NYSE: MIR) is a global leader in radiation safety, science and medicine, empowering innovations that deliver vital protection while harnessing the transformative potential of ionizing radiation across a diversity of end markets. Focused on nuclear and safety, the Mirion Technologies group is committed to powering advancements in nuclear energy through proven radiation safety technologies and expertise. Dedicated to driving better patient outcomes, the

Mirion Medical group is focused on improving quality in cancer care through its broad range of solutions that enhance the delivery and ensure safety across the medical landscape. Headquartered in Atlanta (GA – USA), Mirion employs approximately 2,800 people and operates in 12 countries.

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