



Applied Energy Systems Announces Acquisition of Advanced Research Manufacturing (ARM), Inc.

AES Will Add ARM's Gas Purification Technology to Supplement and Further Expand Its Gas Delivery Equipment Offerings

MALVERN, PA, OCTOBER 1, 2018 — [Applied Energy Systems \(AES\)](#), provider of high and ultra high purity gas systems, services, and solutions – including design, manufacturing, testing, installation, and expert field services – has announced the acquisition of [Advanced Research Manufacturing \(ARM\), Inc.](#), a specialty provider of gas purification systems based in Colorado Springs, CO. ARM, Inc. has been manufacturing high and ultra high purity gas purifiers and gas handling equipment for 20 years and boasts a worldwide installed base of point-of-use, micro-bulk and bulk gas purifiers. AES is a long-time leader in the manufacturing of high and ultra high purity gas and liquid delivery systems, and ARM's portfolio of solutions will now be offered through AES to supplement and further expand its gas delivery equipment offerings and bring new benefits to customers seeking quality gas handling solutions.

"ARM brings getter, catalyst, and absorber purification technology to Applied Energy Systems that will complement our existing product offerings, allowing AES to provide a more complete and unique solution at a very competitive price," said Steve Buerkel, President of Applied Energy Systems.

ARM, Inc.'s ultra high purity gas purifiers and associated gas handling equipment are used across the industrial, semiconductor, energy, medical, and pharmaceutical markets both in the U.S. and internationally – the same verticals where AES has a proven track record of enabling safe, precise gas delivery. "There is already a great deal of synergy between the AES and ARM teams in terms of our knowledge of gas handling requirements for innovative processes and applications," said Jim Murphy, General Manager of AES. "ARM's products are a natural extension of our equipment offerings, and together we'll offer customers our collective expertise to benefit their projects – whether they require gas purification or gas delivery solutions, or both."

Brian Warrick, ARM, Inc.'s Director of Technology, added: "With AES' and ARM's combined resources, the research of new technologies and subsequent development of new products can occur at a more rapid pace. This will enable us to efficiently add to ARM's existing portfolio of offerings that include purifiers as well as field engineering support."

"We are extremely pleased to become a part of AES, and look forward to growing our market share in the purification of high and ultra high purity gas," said Dan Spohn, Director of Global Sales and Market Development at ARM.

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About Applied Energy Systems

Applied Energy Systems (AES) is the premier provider of high and ultra high purity gas systems, services, and solutions. Since 1968, customers have turned to AES for high-value systems engineering – including design, manufacturing, testing, and field services. Whether equipment requirements are driven by regulation, innovation, or both, AES brings together its specialized engineering capabilities and vast



scope of product offerings to create the gas delivery solutions that meet business-critical process demands.

With two industry-leading equipment divisions, SEMI-GAS® and VERSA-GAS™, AES addresses high purity and ultra high purity gas delivery needs for a diverse range of rigorous applications, including semiconductors and electronics, pharmaceuticals and biotechnology, photovoltaics, manufacturing, research laboratories, universities and more. For more information, visit <https://www.appliedenergysystems.com/>

About ARM, Inc.

Advanced Research Manufacturing (ARM), Inc. creates solutions for high purity, tight specification electronics grade and industrial gas purification systems for semiconductor, medical, pharmaceutical, energy, and other high technology industrial processes and applications. In addition, ARM provides analytical services for purity verification and tech refresh services of existing purifier assets, in most cases doubling the asset useful lifetime.

ARM, Inc. has been manufacturing high and ultra high purity gas purifiers and gas handling equipment for 20 years, with a worldwide installed base of point-of-use, micro-bulk, and bulk gas purifiers. For more information, visit www.arminc.com.

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