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ARLINGTON, Va., July 30, 2024 /PRNewswire/ -- The AES Corporation (NYSE: AES) introduced "Maximo" today, a groundbreaking, AI-powered robot that enhances solar installation speed, efficiency and safety. Maximo is a first-of-its-kind robotic solution that works alongside construction teams to help meet rapidly growing renewable energy demand.

According to the IEA, by 2035, solar annual additions are expected to triple, and the workforce will need to nearly double. Maximo can install solar panels in half the time and half the cost, working together with on-the-ground crews to accelerate renewable energy deployment, reducing time-to-power for customers.

"Maximo is the first proven solar installation robot on the market," said Andr?s Gluski, AES President and CEO. "We are facing unprecedented increases in demand, driven in large part by the rise of AI and data centers, and innovations like these will be fundamental for accelerating our ability to bring projects online faster and with greater efficiency."

Maximo enhances the safety and scalability of solar installation by automating the heavy lifting for placing and attaching solar modules. It accelerates project timelines, creates new high-tech jobs and brings opportunities to new segments of the workforce. Maximo expands job opportunities in solar installation, while providing individuals the experience to develop AI skills and learn emerging technologies.

AES will utilize Maximo in its construction of the 2 GW Bellefield project in Kern County, California, the largest solar-plus-storage project in the US, under contract with Amazon. Oak Ridge Solar project in Louisiana, also helping power Amazon operations, was a significant milestone in Maximo's journey as its first utility-scale deployment.

"As society's energy needs grow, the demand for new solar and wind projects are also increasing, requiring us to innovate so we can scale more quickly," said Chris Walker, Director of AWS Sustainability. "We're excited to collaborate with renewable energy developers like AES that are prioritizing the use of AI technologies that can help us fast-forward to a carbon-free energy future."

"Today, the US solar industry is setting an impressive pace, installing about 15,000 modules per hour, weighing one million pounds. Looking ahead, this installation rate is projected to reach 50,000 modules per hour by 2035," said Chris Shelton, AES Chief Product Officer. "In response to this exponential growth, we are scaling Maximo, deploying fleets of continually improving robots to empower our teams for faster and more competitive installations."

Maximo can perform in a broad range of climates and lighting conditions and has been validated in the field across a variety of US project sites. It will begin installing at Bellefield in August.



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The AES Corporation (NYSE: AES) is a Fortune 500 global energy company accelerating the future of energy. Together with our many stakeholders, we're improving lives by delivering the greener, smarter energy solutions the world needs. Our diverse workforce is committed to continuous innovation and operational excellence, while partnering with our customers on their strategic energy transitions and continuing to meet their energy needs today. For more information, visit

Any Stockholder who desires a copy of the Company's 2023 Annual Report on Form 10-K filed February 26, 2024 with the SEC may obtain a copy (excluding the exhibits thereto) without charge by addressing a request to the Office of the Corporate Secretary, The AES Corporation, 4300 Wilson Boulevard, Arlington, Virginia 22203. Exhibits also may be requested, but a charge equal to the reproduction cost thereof will be made. A copy of the Annual Report on Form 10-K may be obtained by visiting the Company's website at

The AES Corporation, a global power company with generation and distribution businesses, introduced a robot powered by artificial intelligence. Dubbed "Maximo", the robot works alongside solar installation teams, helping to install solar panels half the time and half the cost of manual labor installations, said the company.

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