



Purpose-Driven AI at AES



As a leader in **advancing innovative energy solutions**, AES seeks to play a leading role in how AI is applied to **accelerate the future of energy**.

Artificial intelligence offers powerful opportunities to super-charge progress, improve information sharing and efficiency, and transform how we live and work. As AI capabilities continue to evolve, AES endeavors to apply these technologies in ways that strengthen how we operate and to unlock new capabilities, guided by a focus on responsible use and alignment with our core values.

Our approach to responsible AI

We aspire to prioritize nine core principles to help inform how we design, implement, deploy, or use AI technology in our own business and in collaboration on solutions with customers and partners. With this approach, we strive to balance technological progress with accountability, safety, and trust.

Accountability

Clear ownership of AI processes & outcomes



Integrity

Aligned with AES' values: Safety first, Highest standards, All together



Fairness

Minimize bias; monitor & update models



Privacy & confidentiality

Protect personal & company data; comply with cybersecurity standards



Regulatory compliance

Adhere to applicable laws across relevant jurisdictions



Safety & security

Safeguard against unauthorized access & physical harm



Traceability & explainability

Decisions traceable to source data & logic



Transparency

Open about AI capabilities, limitations & impacts



Data minimization

Collect only data necessary for the specific purpose





AI initiatives in action

As we continue to seek to foster a strong AI culture, AES has led the development and deployment of real, scaled, AI-enabled applications that deliver meaningful, real-world benefits.



Proactive safety and risk prevention

Launched with strategic backing from AES and the AI Fund, Haven Safety AI is one of the energy sector's first large-scale AI-native platforms that investigates incidents faster, uncovers systemic risk, and prevents serious injuries before they occur. By deploying Haven Safety AI, AES is moving beyond traditional manual reporting to a proactive approach to workforce safety.



Smarter grid planning and faster connections

AES is collaborating with Google's X Moonshot Factory to create Tapestry, an AI-powered grid virtualization platform designed to make the electric grid more visible to operators and planners, enabling identification of grid constraints earlier to more efficiently integrate new renewable generation and customers. In the US, Tapestry has partnered with PJM to streamline the interconnection process for energy facilities. For communities, this can mean fewer delays in bringing critical new energy sources online and a more affordable and reliable energy system designed to meet future needs.



AI-enabled solar construction



AES created Maximo, the world's first AI-enabled solar installation robot. Skilled construction crews rely on Maximo to help improve safety and speed by performing the heavy lifting of placing solar modules. Today, Maximo is making a major impact on the industry by accelerating large-scale solar projects and helping meet workforce demand.