



walter
p moore



Shaping What's Next: Exclusive Insights from Our CISO



Aaron White, PE
Chief Information & Digital Officer



How is AI
transforming the
way engineers
approach design?



One way firms are approaching design differently now is that they are developing (or buying) software that uses AI to simultaneously broaden and deepen their explorations compared against traditional methods.

This is helping project teams reach better solutions faster, using information from both past projects and data created synthetically from trusted design tools.



What are common misconceptions about AI?



First, there's a misconception that AI is currently capable of actual thinking or creating.

The second misconception is thinking AI is just another flavor of digital transformation. Digital transformation streamlines manual processes, making them more efficient while following a similar trajectory.

Taking advantage of the opportunities presented by AI requires rethinking the system from the ground up. For example, is a process or approach essential or can it be eliminated?



What is one
AI-driven
innovation you're
most excited
about?

I'm excited about how AI is helping to blur lines between the virtual and physical worlds, enabling newer workflows. AI-powered applications can interpret real-world data from reality capture devices, interact with other digital design tools, and build data-rich models that are readable by robots and humans for construction. From this iterative process, we can extract insights, test options, and make improvements at each step of design and construction.