Altia Opens Altia AI to All HMI Teams, Pairing AI-Assisted Development with Deterministic, Certifiable Output

Expanded availability brings AI design assistance, analysis and workflow acceleration to HMI teams while keeping production code free of AI-generated code

COLORADO SPRINGS, CO, UNITED STATES, September 24, 2026 /EINPresswire.com/ -- Altia today announced expanded availability of Altia AI, the intelligent development layer built with embedded human-machine interface (HMI) projects in mind. Altia AI is now available to teams across the Altia development platform.

> Altia AI helps HMI teams build better products faster, with meaningful assistance across design and development while keeping the quality and predictability embedded programs require”
>
> *Jason Williamson, Vice President of Marketing at Altia*

As organizations in automotive, medical, industrial and consumer electronics race to adopt artificial intelligence, many engineering teams are finding that generic AI tools lack the context needed for real-world embedded HMI programs. Altia AI closes that gap by giving developers and designers practical, context-aware assistance in the Altia environment, helping them work faster, understand complex systems more easily and streamline UI creation without disrupting proven development processes.

"Many companies have invested significant time discussing AI strategy, but engineering teams are still asking a more practical question: How can AI help us build better products faster?" said Jason Williamson, Vice President of Marketing at Altia. "Altia AI was developed to answer that question for HMI teams. It provides meaningful assistance throughout the design and development process while allowing organizations to maintain the quality, performance and predictability required for embedded production programs."

As embedded user experiences grow more sophisticated, teams face increasing complexity across designs, assets, animations and application logic. Altia AI acts as an accessible knowledge resource for new and experienced team members alike, helping teams understand projects faster, reduce manual effort and make decisions sooner.

Built for safety-critical programs

Unlike general-purpose AI coding assistants, Altia AI never generates code that runs on deployed hardware. Production output remains deterministic C code from Altia's established tool chain, supporting teams working to MISRA-C, ISO 26262 and ASPICE requirements. Organizations can connect the LLM provider they have already approved, host their own model or use Altia without AI at all. The AI accelerates development; the code that ships stays predictable and fully under the team's control.

Key capabilities of Altia AI include:

* Natural-language interaction with HMI projects
* Guided creation and modification of interface elements
* Automated analysis of design architecture and logic
* Identification of unused assets and potential issues
* Documentation and project knowledge assistance
* Workflow acceleration through intelligent automation
* ... and much more.

Altia AI also establishes a foundation for future AI-driven HMI workflows, giving teams room to explore new approaches to interface development while keeping the reliability and control expected in embedded systems.

"The real opportunity with Altia AI is creating an environment where engineers, designers and intelligent tools can collaborate more effectively," said Williamson. "We believe that's where the next generation of HMI development is headed, and Altia AI is helping make that future practical today."

Availability

Altia AI is available immediately as part of the Altia development platform. To learn more or schedule a demonstration, visit www.altia.com or email info@altia.com.

About Altia

Altia provides embedded GUI and HMI development tools, including Altia Design, CloudWare and DeepScreen, deployed across more than 100 million devices in automotive, medical, industrial and consumer electronics. Altia's toolchain produces deterministic C code with no runtime in deployed devices and supports safety certifiability requirements including MISRA, ASPICE and ISO standards. Learn more at altia.com.

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