DiSTI Secures Patent for Mixed-Criticality User Interface Development System

The DiSTI Corporation receives patent from the United States Patent and Trademark office for new GL Studio Workflow.

Orlando, FL (June 2, 2021) – The DiSTI Corporation, a leading provider of graphical user interface development software and solutions, is pleased to announce that the United States Patent and Trademark Office (USPTO) has granted a patent (No. 11,003,425) for an invention titled "Mixed-Criticality User Interface Development System."

The patent differentiates DiSTI's HMI Software products and solutions and the GL Studio software to facilitate both Safe and Non-Safe User Interface content in the same design file with a unified development workflow process.

This patented workflow is a method for mixed-criticality user interface development that includes storing at least one set of safety-critical requirements along with a corresponding safety-critical designation and designating an object according to the safety-critical designation for deployment along with other objects in a user interface.

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"DiSTI has always been on the bleeding edge of the latest User Interface development technology," said Christopher Giordano, VP UX/UI Technology for DISTI. "We were the first to certify our runtime for functional safety for the automotive market, and now have used that technology to formulate a best-in-class unified workflow to accommodate Safety-Critical and QM content in the same design. We are thrilled with the award of another patent that even further differentiates our GL Studio HMI/UI solution, and we look forward to taking this unique capability to market to better serve our customers."

This process uses GL Studio's OneTouch Deployment™ to handle the generation, content transfer, and application launch that takes less than 60 seconds to iterate. This feature allows for a very rapid iteration cycle. It lets UI design teams visualize their content on the hardware target without the need for complex programming and gives a common platform for implementation engineers to work seamlessly with UI designers.

- Faster iteration time
- Prototype directly on the hardware target
- Automated partition of SC and QM content
- Convenient, automated OneTouch Deployment™
- Workflow source code available for customization throughout the project lifecycle

This patent is the latest award reflecting on The DiSTI Corporation's investment in research and development. The patent acquired by DiSTI further strengthens its leadership in developing cutting-edge, industry-specific applications, instrumental in driving digital transformation across organizations worldwide.

About The DiSTI Corporation

The DiSTI Corporation is the world's leading provider of graphical user interface software.

Our flagship product, GL Studio® delivers advanced high-performance 3D user interfaces to the aerospace, automotive, medical, and training industries.

GL Studio® is the developer's choice tool for UI Design. Leading display designers trust GL Studio® to deliver digital automotive cockpit instruments, HUD displays, controls and clusters, and full immersive HMI cockpit environments quickly and easily.

GL Studio® delivers high fidelity, feature-rich 2D and 3D graphical user interfaces for embedded automotive systems and HMIs. Our UI development tool's flexible environment supports industry-standard 2D and 3D file formats, compatibility with modern 3D graphics hardware, and an industry-leading runtime engine. www.disti.com

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