PRESS RELEASE
For Immediate Release

The DiSTI Corporation Unveils GL Studio 8.3: Pioneering IDE Integration and Safety-Critical Runtime Solutions

The Orlando-based software company releases version 8.3 of its HMI Software Development Tool.

Orlando, FL (January 7, 2025) – The DiSTI Corporation, the global leader in human-machine interface (HMI) development tools, proudly announces the release of GL Studio 8.3. This highly anticipated update brings a host of groundbreaking features, including enhanced Integrated Development Environment (IDE) integration, ANGLE runtime support for Linux and macOS, and Software OpenGL SC 1.0 runtime library enhancements. These innovations empower developers in the automotive, aerospace, and other safety-critical industries to push the boundaries of HMI development.

Revolutionizing Development with Enhanced IDE Integration

GL Studio 8.3 introduces improved IDE integration that streamlines debugging and accelerates workflows. Developers can now double-click on error messages in the Log Tab to open their platform's IDE—such as Visual Studio, Xcode, or Linux's default editor—directly at the offending line of code. With the addition of intuitive log tab filters, identifying errors, warnings, and other messages has never been easier.

Expanding Prototyping and Deployment with ANGLE Runtime Support

For the first time, Linux and macOS users gain access to ANGLE runtime support. This enhancement enables the deployment of GL Studio content to Unity, Unreal Engine, and other game engines, targeting Metal for macOS and Desktop OpenGL 4.x for Linux. Developers can now prototype ES content seamlessly across platforms, furthering GL Studio's utility in the creation of cutting-edge simulations and software-defined vehicles.

Safety-Critical Innovations for CPU Environments

This new SC runtime library allows users to deploy applications on embedded hardware with CPUs, meeting the rigorous demands of environments such as aerospace missions beyond low Earth orbit. This technology ensures reliable performance even in the most challenging conditions, such as areas with high radiation exposure or where other implementations are cost-prohibitive.

Transforming Automotive and Aerospace Applications

In the automotive sector, GL Studio 8.3 empowers developers to prototype software-defined vehicle interfaces on Linux and macOS, eliminating reliance on Windows for ES content creation. The new

SC runtime library also offers cost-effective deployment options for embedded systems in modern vehicles.

For aerospace, the ANGLE runtime enables rapid prototyping of simulation content in Unity or Unreal, while the new driver provides a robust solution for deploying mission-critical HMIs on CPU hardware destined for space exploration.

Quality-of-Life Improvements and Bug Fixes
This release also brings a variety of developer-focused enhancements, including:

- Copying and pasting geometry, code, and elements between GL Studio editor instances.
- Log tab improvements, such as preventing automatic snap-back during error inspection.
- Increased font generation options and project title visibility for better multitasking.

Bug fixes include addressing issues with WebGL touch events, GlsNinePatch asserts in ES deployments, and ES runtime compatibility with multiple GLO files sharing filenames.

A Year in the Making
Developed over 14 months with more than 2,000 hours of effort, GL Studio 8.3 reflects The DiSTI Corporation's commitment to innovation. With its powerful new features and improved usability, this release positions GL Studio as the premier HMI development tool for industries requiring precision, reliability, and cutting-edge technology.

Customers under current maintenance and support contracts for GL Studio can log into DiSTI's customer support portal to download the latest version.

For more information on GL Studio or for more information on the solutions and services offered by DiSTI, contact us at sales@disti.com.

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About DiSTI Corporation

The DiSTI Corporation is the world's leading graphical user interface software provider.
Our flagship product, GL Studio, delivers advanced high-performance 3D user interfaces to the aerospace and automotive industries. Leading global manufacturers such as Jaguar Land Rover, Hyundai MOBIS, Garmin, Boeing, NASA, and Lockheed Martin choose GL Studio for its performance, fidelity, and reliability in interface development and deployment. Whether for avionics, instrument clusters, infotainment systems, or flight simulators, GL Studio exceeds the developer's workflow and runtime performance demands.
Visit https://disti.com to learn more.

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