GL Studio delivers high-performance, high-reliability UI development to the automotive industry

> " Working with ARM over the years has been fantastic," said Christopher Giordano, Vice President UX/UI Technology. "As a charter member of the Arm Automotive Developer Community (AADC), DiSTI has gained visibility to the latest embedded hardware technology in an effort to best serve our mutual customers and chip vendors that license ARM intellectual property."

Goal:

Providing software developers and UI/UX designers in the automotive markets a graphical User Interface (UI) development tool that specializes in high-performance, reliability, rapid time to market, and functional safety.

Challenge:

Often in UI development, designers and software developers have difficulty achieving a featurerich and visually appealing user interface without having to sacrifice either major UI features or runtime performance. A seamless UI content creation process that does not compromise design or functionality is required for 2D/3D content, from prototyping to implementation readiness in one platform. It is necessary to deliver a UI tool where the developers and designers are driving the user experience while designing instrument clusters, head-up displays, infotainment, rear seat entertainment, and connected car mobile applications.

Solution:

DiSTI's GL Studio is a UI tool with rapid time to market workflow that allows developers to go from prototype to production implementation in one design, all with no change to the original designer's vision. DiSTI has provided GL Studio UI tools and services for 20 years. GL Studio has the most reliable runtime with the best performance to the automotive, aerospace, and medical markets. GL Studio is the first tool to achieve ISO 26262 ASIL D pre-certification for functional safety capable user interface graphics.

GL Studio Benefits:

» **80% FASTER TIME TO MARKET**

» **6X BETTER RUNTIME PERFORMANCE**

» **50% LESS CPU UTILIZATION**

» **HIGHEST CODE RELIABILITY**

» **FIRST UI TOOL TO ACHIEVE ASIL D**

» **500MS OR LESS UI STARTUP TIME**

» **ABSOLUTE DESIGN FLEXIBILITY**

» **LOWER LIFETIME PROGRAM COSTS**

About GL Studio:

Leading OEMs and Tier 1 suppliers use GL Studio to create cutting-edge graphics for digital clusters, HUDs, and IVI solutions. GL Studio has supported over 40 different Arm-based target systems with adoptions by companies such as Boeing, GARMIN, GE Transportation, Hyundai Mobis, Jaguar Land Rover, Lockheed Martin, NASA, Northrop Grumman, Raytheon, and The Spaceship Company. GL Studio can be ported to any OpenGL based target system.

AUTOMOTIVE APPLICATIONS:

* **DIGITAL CLUSTERS**

* **HEAD-UP DISPLAY**

* **IN-VEHICAL INFOTAINMENT**

* **SUPPORTED OVER 40 DIFFERENT ARM-BASED TARGET SYSTEMS**

* **PORTED TO ANY OPENGL BASED TARGET SYSTEM**