Qt Brings Digital Cockpit to Koenigsegg Hypercars

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Qt provides development framework for Koenigsegg in-vehicle infotainment systems and instrument clusters

Espoo, Finland – September 16, 2019 – The Qt Company today announced that high-performance hypercar manufacturer Koenigsegg Automotive AB has selected Qt's cross-platform framework for the development of its in-vehicle infotainment (IVI) systems and instrument clusters. Qt supports software development of Koenigsegg's SmartCenter, SmartWheel and SmartCluster products. SmartCenter and SmartWheel are used in the Jesko hypercar, whereas SmartCenter and SmartCluster products are used in Koenigsegg's Agera RS and Regera hypercars.

Qt's framework enables Koenigsegg to optimize the development and production of its next-generation premium IVI systems. Qt provides a streamlined development workflow from graphic designer to software developer, significantly reducing time-to-market, as well as the number of mock-up prototype iterations. Qt's framework also enables Koenigsegg to reuse features and assets across multiple cross-platform projects.

Koenigsegg's Jesko hypercar model features a new, racing-inspired SmartCluster instrument screen developed with Qt. The screen is mounted directly behind the steering wheel and while the screen physically rotates with the steering wheel, the central zone – and the key information within it – always remains at level as the steering wheel turns. The SmartCluster's compact, five-inch (108x64.8mm) screen displays all the information the driver needs in a neat, logical layout. The SmartCluster marries the IVI system with the car's key instruments, including the speedometer, which are displayed with a digital readout instead of traditional analog gauges.

Koenigsegg has also developed new driver controls using Qt's touchscreen interface technology for its new SmartCenter and SmartWheel features. SmartCenter serves as Koenigsegg's design and implementation of an automotive head unit. The SmartCenter's unified hardware interface provides a hub for the entire system, including device connectivity, media playback, vehicle comfort and control systems and more.

With two small touchscreens embedded into Jesko's steering wheel, SmartWheel makes a suite of features accessible to the driver with just a touch or a swipe, without the need for constant visual connection. The screens' default configurations enable functions such as audio control, phone control, ride height control and cruise control. However, the screens are context sensitive, and other options may be shown or configured into the system. Qt's Professional Services has supported Koenigsegg to achieve its goals in software development.

"Koenigsegg has been a long-standing leader in automotive innovation, and Qt is eager to support them in building a digital cockpit befitting of the fastest production cars on Earth," said **Juhapekka Niemi**, Executive Vice President, Sales, The Qt Company. "The driver experience is evolving from a physical steering wheel and centralized dashboard to multi-screen displays with a variety of connectivity and features. Qt enables Koenigsegg's IVI product suite to provide one unified, streamlined user experience across multiple screens, seamlessly putting a wealth of features at the driver's fingertips while maintaining the ease of use necessary to keep the driver's focus on the road."

To learn more about Qt, please visit: https://www.qt.io/

Media Contacts
10Fold for The Qt Company
Kyra Tillmans
qt@10fold.com
(925) 271-8214

The Qt Company
Virpi Raski
Virpi.Raski@qt.io
+358 45 106 5363

About The Qt Company
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Koenigsegg Automotive AB
Founded in 1994 by Christian von Koenigsegg, Koenigsegg Automotive AB is a world leader in engineering and manufacturing of sophisticated hypercars. The company is based in Ängelholm in the south of Sweden and has some 300 employees. https://www.koenigsegg.com/