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Digica and J-Squared Announce Concept-to-Completion Pipeline for Edge AI Solutions at Embedded Vision Summit 2024

Edge AI services span full life-cycle development for applications across defense, medical, manufacturing, and semiconductor sectors

San Jose, CA May 9, 2024 – At the 2024 Embedded Vision Summit, global edge computing leader J-Squared Technologies and international software solutions provider Digica announce a comprehensive solution for concept-to-completion edge AI development, empowered by the Hailo-8 AI accelerator. The joint offering, which will be demonstrated at the Hailo booth of Hailo, a leading-edge AI chip manufacturer (#721) at the Embedded Vision Summit. The demo, features full life-cycle development—research, prototyping, MVP, testing and deployment—with robust edge compute hardware optimized to solve pervasive AI connectivity, scale, and cost challenges.

The partnership leverages Digica's expertise in designing, training, and deploying cutting-edge Computer Vision, Machine Learning (ML), and Large Language Models (LLMs) and J-Squared's ruggedized, SWAP-C hardware platforms for applications that solve important health, security, and safety challenges across defense, medical, manufacturing, and semiconductor industries.

As Digica's CV / DL solutions are frequently deployed on edge devices, achieving high performance with a minimum power consumption is crucial. The Hailo AI accelerators deliver high performance at lower power consumption, are small enough to be built into edge devices, and are optimised for such applications. The accompanying comprehensive software suite simplifies the development and deployment process, reducing time to market.

"One of the biggest roadblocks to realizing the benefits of AI is the patchwork of vendors and cumbersome integrations required to develop and deploy AI applications," said Søren Bradbury, COO at Digica. "This partnership enables all-in-one AI and ML capabilities from leaders committed to open-platform innovation and best-in-class technologies."

J-Squared and Digica will focus on creating and deploying AI and ML for increased safety, security, and efficiency across diverse environments including for custom requirements using a defined but flexible engagement model.

“Too often software and hardware are viewed as discrete, separate problems to solve rather than a single cohesive solution, which adds time, complexity and cost to AI deployments,” added Andrew Woollard, CTO of J-Squared. “Considering the complete solution from the design phase through testing and deployment both streamlines AI application development and results in a better product.”

Digica’s successful track record includes hundreds of successful projects and breakthroughs in intelligence, surveillance, reconnaissance, synthetic data generation, autonomous systems, and predictive solutions for critical system failures. J-Squared rugged systems have been used for mission-critical land, sea, and air applications for the past 30 years.

Visit the Hailo booth at the Embedded Vision Summit to see a demonstration of Digica with J-Squared.

To learn more about end-to-end AI development and deployment services, go to www.digica.com or contact soren.bradbury@digica.com.

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About Digica

Digica is an international AI software solutions company working at the forefront of the Artificial Intelligence revolution pioneering the integration of Artificial Intelligence across a broad spectrum of sectors. Digica is dedicated to crafting advanced software solutions that harness the power of Cloud computing, the Internet of Things (IoT), and embedded systems. With a focus on sectors such as automotive, defense eCommerce, finance, life sciences, security, and transportation, Digica’s expertise in AI technology is driving innovation and delivering cutting-edge solutions tailored to meet the complex needs of its clients. At the heart of Digica’s mission is a commitment to making a tangible difference, leveraging AI to solve real-world problems, and pushing the boundaries of what’s possible in the digital realm. For more details on their transformative work and services, visit www.digica.com. Connect with [Digica on LinkedIn](#).

About J-Squared

J-Squared Technologies Inc. has over 30 years of experience supporting and supplying the North American electronics marketplace. Each division offers specific skills and services to address our customers’ product lifecycle requirements, from conceptualization, design, build, and test to long-term in-service product support. Our core principle to exceed customer expectations, combined with a focus on continuous improvement, has resulted in extensive success across a wide range of industries and markets. For more information, please visit www.jsquared.com. Connect with [J-Squared on LinkedIn](#).

