

## Avant Technology Partners with Jade Design Automation to Provide IP/SoC Register Management Solutions

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**Hsinchu, Taiwan** – Avant Technology, Asia’s leading distributor of advanced EDA tools and IP solutions, and Jade Design Automation (Jade-DA), a specialist in next-generation register management solutions for complex IP/SoC designs, today announced a strategic partnership. Avant will act as Jade’s authorized sales representative bringing Jade’s flagship Register Manager solution to semiconductor companies, system integrators, and IP providers across the region.

Jade Design Automation focuses exclusively on solving register management challenges spanning the full design lifecycle, from system architecture definition to software bring-up. Its Register Manager product supports highly configurable processor register scenarios — including RISC-V Control and Status Registers (CSRs) — and serves blue-chip SoC developers, turnkey ASIC design houses, and global IP vendors. The tool enables unified capture of register, bitfield, and memory map specifications across IP, subsystem, and full SoC levels, and automatically generates production-ready RTL, verification collateral, embedded software headers, documentation, and interoperability formats including IP-XACT (2009/2014/2022) and SystemRDL.

The collaboration integrates Jade Design Automation’s Register Manager into Avant’s existing portfolio of EDA and IP solutions. This addition strengthens Avant’s ability to support customers in register specification and code generation, providing a reliable, automated solution to reduce design iterations and accelerate time-to-market for complex IPs and SoCs. By linking register specification and auto-generation directly into the front-end design flow, the combined solution helps customers eliminate manual errors in HW/SW interface definition and improve alignment between hardware and software teams targeting IoT, automotive, and edge computing applications.

“We are excited to add Jade Design Automation’s best-in-class register management technology to our solution suite,” said Norman Huang, Vice President of Avant Technology. “Register-related rework remains one of the most persistent pain points in SoC development. By pairing Jade’s automation capabilities with Avant’s local technical support and deep customer network, we can help design teams across Asia reduce risk and improve efficiency across the entire chip development flow.”

Tamas Olaszi, CEO of Jade Design Automation, added: “Our priority is to help engineering teams eliminate the complexity and errors typically associated with register management. By combining Jade’s specialized automation with Avant’s deep technical expertise and well-established customer network, we can provide a seamless solution that fits directly into existing SoC development flows. Together, we are committed to delivering responsive local support and measurable efficiency gains for design teams across the region.”

## About Jade Design Automation

Jade Design Automation is dedicated to solving the hardest register management challenges across the semiconductor design lifecycle. Its flagship product, Register Manager, delivers fast, intuitive, and fully scriptable register specification, validation, and code generation for IoT, automotive, and high-performance SoCs, with native support for industry standards and legacy format migration. Learn more at <https://jade-da.com/>

## About Avant Technology

Avant Technology Inc. is a leading distributor of EDA tools and IP solutions in Asia. Founded in 1996 in Hsinchu, Taiwan, Avant has grown to become the region's premier provider of advanced EDA tools and IP solutions, delivering innovative technologies to meet the evolving needs of its customers.

**Learn more:** <https://www.avant-tek.com/>

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