



Lattice to Deliver Advanced Motion Control Solution

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– Intelligent motion control solution combines low power Lattice FPGAs with ADI's industrial ethernet connectivity to improve system efficiency –

HILLSBORO, Ore.--(BUSINESS WIRE)--Apr. 9, 2024-- [Lattice Semiconductor](#) (NASDAQ: LSCC), the low power programmable leader, today announced a new motion control reference platform to accelerate flexible, efficient closed-loop motor control design development. Combining secure, low power Lattice FPGAs and ADI's robust industrial ethernet connectivity, the platform enables multiprotocol designs with a hardened security engine, providing accurate speed and power control that are integral in smart Industrial automation applications.

"As the digital transformation and automation of factory floors continues, we're excited to accelerate the productivity and reliability of smart manufacturing with our low power, secure FPGA technology," said Matt Dobrodziej, Corporate Vice President of Segment Marketing and Business Development at Lattice. "This collaborative solution we've developed with ADI is an example of our commitment to delivering more intelligent, more connected, and more efficient solutions to our Industrial customers."

Key features of the new motion control reference platform include:

- Low power, small footprint Lattice FPGAs, including Lattice CertusPro™-NX and Lattice MachXO3D™ with a dedicated hardened security engine with secure unique ID enabling Root of Trust compliance with the [European Cyber Resilience Act](#)
- Flexible, low power ADI industrial ethernet connectivity for multiprotocol designs with precision analog power conversion technology providing accurate speed and power control

"With approximately 65% of industrial energy consumed by motor-driven systems¹, ADI technology is driving the efficient design of variable speed drives which have the potential to reduce energy consumption by up to 60% per year²," said Fiona Treacy, Managing Director at ADI. "Combining ADI's precision current sensing, power management, and industrial Ethernet solutions with Lattice's low power FPGAs accelerates the development of efficient, compact, and thermal optimized designs."

See Live Demonstrations at Embedded World 2024

The new motion control board will be on display at [embedded world 2024](#) from April 9-11, 2024 in Nuremberg, Germany. Visit Lattice's exhibit at Hall 4, Booth #528 to experience the innovative low power FPGA solutions enabling Industrial, Automotive, and Security applications at the Edge.

About Lattice Semiconductor

Lattice Semiconductor (NASDAQ: LSCC) is the low power programmable leader. We solve customer problems across the network, from the Edge to the Cloud, in the growing Communications, Computing, Industrial, Automotive, and Consumer markets. Our technology, long-standing relationships, and commitment to world-class support let our customers quickly and easily unleash their innovation to create a smart, secure, and connected world.

For more information about Lattice, please visit www.latticesemi.com. You can also follow us via [LinkedIn](#), [Twitter](#), [Facebook](#), [YouTube](#), [WeChat](#), or [Weibo](#).

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¹ [World Energy Outlook 2023, International Energy Agency](#)

² [Energy Saving Variable Speed Drives | LED Controls Blog](#)

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