Future Electronics Highlights onsemi Solutions for Smarter, Safer Autonomous Mobile Robots

News-Press Release
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Summary
Future Electronics is excited to feature onsemiâ€™s advanced subsystem solutions designed to accelerate the development of Autonomous Mobile Robots (AMRs), industrial cobots, and autonomous guided vehicles (AGVs).

Message
Montreal, Canada (Â prsafe) September 22, 2025 - Future Electronics is excited to feature onsemi's advanced subsystem solutions designed to accelerate the development of Autonomous Mobile Robots (AMRs), industrial cobots, and autonomous guided vehicles (AGVs).
onsemi's portfolio integrates intelligent sensing, robust motor control, and reliable communication to enable next-generation robotics. Key components include the NCS32100 inductive sensor, NCN26010 10Base-T1S transceiver, NCD83591 gate driver with NTMFS0D9N04XM MOSFET, and the AR0234CS image sensor, all engineered to deliver seamless movement, real-time data exchange, and heightened environmental awareness.

Key Benefits of onsemi Subsystems

â€¢ Modular Design: Motion, sensing, lighting, power, and communication subsystems for easy integration
â€¢ Efficient Power Management: High-voltage battery support with e-Fuse protection
â€¢ Scalable Connectivity: 10Base-T1S backbone for simplified networking
â€¢ Proven Reliability: Automotive-grade components built for demanding industrial environments

Designers can depend on onsemi's cutting-edge technology to simplify system integration, boost performance, and speed time-to-market for autonomous robotics applications.

For more information or to access the technical paper, visit www.futureelectronics.com/resources/featured-products/onsemi-autonomous-mobile-robotics.

About Future Electronics

Founded in 1968, Future Electronics is a global leader in the electronic components industry. Future Electronics' award-winning customer service, global supply chain programs and industry-leading engineering design services have made the company a strategic partner of choice.

Headquartered in Montreal, Canada, Future Electronics operates in 159 offices across 44 countries with over 5,000 employees. Its worldwide presence powers the company's outstanding service and efficient, comprehensive global supply chain solutions. Future Electronics is globally integrated and supported by one IT infrastructure which provides real-time inventory availability and enables fully integrated operations, sales and marketing services worldwide. In 2024, Future became a WT Microelectronics company, now dual-headquartered in both Montreal, Canada and Taipei City, Taiwan.

Future Electronics' mission is always to Delight the CustomerÂ®. For more information visit www.FutureElectronics.com.

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Company Statements
Boilerplate 1

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Tag Cloud
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Electronic Components

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