



AI-powered Autonomous Systems

Industries

- > Automotive (Commercial Vehicles)
- > Off-Highway & Heavy Machinery
- > Robotics & Autonomous Systems

Capabilities

- > End-to-end AI and control system integration
- > Automotive-grade hardware design (ASIL-oriented)
- > Multi-sensor processing and real-time control
- > Scalable platforms from prototype to production

Product Line

- > Autonomous Domain Control Units (ADCU)
- > Vehicle & Zone Control Units (VCU / ZCU)
- > AI Platforms powered by NVIDIA® Jetson™

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ecotron.ai

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DELIVERING AI-POWERED PLATFORMS FOR AUTONOMOUS AND INTELLIGENT MOBILITY SYSTEMS.

ECOTRON delivers advanced autonomous control solutions by combining high-performance computing with functional safety architectures.

Our mission is to enable safer, smarter, and more efficient mobility systems through scalable controller platforms built on NVIDIA Jetson technologies.

We focus on bridging the gap between cutting-edge AI compute and real-world vehicle deployment, accelerating development timelines while ensuring reliability in demanding environments.

ECOTRON AND NVIDIA

Ecotron powered by NVIDIA® enables us to deliver state-of-the-art AI compute platforms tailored for autonomous applications.

By leveraging NVIDIA Jetson modules, including Orin and next-generation platforms, we provide scalable solutions that support perception, localization, planning, and control.

Our platforms are designed to align with NVIDIA's ecosystem, allowing seamless integration with NVIDIA CUDA®, TensorRT™ and other AI frameworks, enabling faster development and deployment for our customers.

ADCUs, VCUs, & End-to-End Support

Autonomous Domain Control Units (ADCU)

High-performance autonomous domain controllers powered by NVIDIA NVIDIA Jetson Orin™ and NVIDIA Jetson Thor™, designed for L3-L5 applications.

- Supports multi-sensor fusion (camera, LiDAR, radar)
- High compute performance (up to 2000+ TOPS class platforms)
- Automotive-grade design with functional safety MCU (Infineon AURIX)
- Rich interfaces including GMSL cameras, Ethernet, and 10G optical

Explore the full range of Ecotron's product offerings [here](#).