



Demo List for electronica India 2026 | NXP Semiconductors | Hall 5, Booth G.01 | Sep. 16-18, 2026

Brighter Journeys

Demo Title	Demo Description
2-Wheeler Digital Connected Cluster	Discover a connected cluster platform based on the i.MX 95 application processor, supporting advanced vision and connectivity use cases for two-wheelers.
Ara2 Automotive AI Box	Experience a distributed AI architecture where the in-vehicle infotainment system and dedicated AI box work together to deliver context-aware responses from visual and voice inputs.
Electric Bike*	Explore an electric bike featuring NXP technologies for next-generation electric mobility.
EV Charger*	EV Charger by Tirex Transmission Pvt. Ltd.
MWCT: Enabling Qi-Compliant In-Vehicle Wireless Charging	See how NXP's wireless charging transmitter ICs help enable secure, Qi-compliant in-vehicle charging solutions with integrated controller functionality.
NXP CoreRide Platform	Experience how NXP CoreRide helps accelerate the shift to software-defined vehicles through scalable vehicle compute, AI-powered orchestration, and integrated system architecture.
OrangeBox 2.0	Explore NXP's next-generation automotive security platform featuring AI acceleration, ML-based threat detection, and post-quantum cryptography.
Quad BT with AW693	Discover how a dual AW693 solution supports dynamic load balancing across Bluetooth controllers for advanced wireless connectivity use cases.
S32N7 Vehicle AI Compute & Agentic AI Orchestration	Experience how agentic AI can interpret a trip request, create a plan, and coordinate vehicle functions to help prepare for the journey ahead.
SAF8544 (STRX) + i.MX 95 Radar Perception & Edge AI Platform	See how NXP radar and edge AI technologies enable real-time radar processing, object classification, sensor fusion, and automotive perception.
Solution for EIS in Battery Management Systems	See how NXP's EIS-enabled battery management chipset delivers deeper battery insights while maintaining compatibility with existing non-EIS device footprints and pinning.
UWB Multi-application Platform	Explore how UWB technologies enable secure, precise localization and radar-based capabilities for automotive applications such as ranging and in-cabin sensing.
Xin1 Modular Platform Design	Explore a 2-in-1 DC-DC and inverter use case based on the S32K39 MCU, enabling scalable and efficient vehicle electrification designs.



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Brighter Lives

Demo Title	Demo Description
Patient Care - Baby Monitoring System	See how edge AI supports real-time infant activity monitoring, critical event detection, and connected safety alerts for caregivers.
Curapod Non-Invasive Pain Management Device*	Explore a chronic pain management device built on NXP technology to support connected, non-invasive care applications.
RT600-Based Noise Cancellation	Experience NXP's Conversa Voice Suite on RT600, enabling full-duplex hands-free speech processing and audio enhancement.
Hearing Aid	Discover a ready-to-go hearing aid reference design that helps emerging developers accelerate next-generation hearing aid applications.
Continuous Glucose Monitor Reference Design	Explore a ready-to-go continuous glucose monitor reference design that helps accelerate development for emerging CGM applications.
Surveillance System: NVR Box + AI camera	See how an i.MX95-based smart surveillance solution uses AI acceleration to perform real-time object detection at the edge.
Video Search Summarization	Experience real-time video intelligence with edge AI capabilities including object detection, multimodal understanding, vector search, RAG, and semantic video analysis.
Chewie - World's First AI-Native Home Wet Waste Management Device*	Discover an AI-native home appliance that automates wet-waste handling and converts it into sterile, pathogen-free Regen Soil.
On-device training fan anomaly detection on MCXN947	See how on-device trainable anomaly detection enables local model training and inference for fan monitoring applications on the MCX platform.
Drone Kit by Agam Robotics*	Explore a carbon-fiber drone platform designed for stable, reliable flight with integrated robotics products and NXP technologies.
VLA - Robotic Arm	See how an i.MX95-based robotic arm performs autonomous pick-and-place operations using edge AI inference and real-time vision inputs.
Mobile Robotics Buggy 3 Kit	Discover a flexible mobile robotics platform supporting ROS2, vision-based navigation, GPS, LiDAR, camera, and motor control capabilities.



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Brighter Places

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2.5 kW Battery Charger	Explore NXP 1 kW and 2.5 kW battery charger reference designs supporting wide input and output ranges for efficient power conversion.
Easy EVSE Entry level development platform	See how this EV charging platform integrates connectivity, security, metrology, Matter and OCPP support into a scalable solution.
Flow Meter (MCX L25 MCU, UBX100 Sub-GHz)	Discover an energy-efficient flow meter reference design supporting water and gas measurement with ultrasonic, magnetic pulse, and LC-sensing technologies.
Data Center - BMC, IO Expander and SMC	See how MCXN947 supports distributed low-speed interface management and telemetry collection for server and datacenter platforms.
Data Center - Board Management Controller based on i.MX 95	Explore an i.MX9x-based baseboard management controller concept for datacenter applications.
IML (In Mould Labelling) Inlays by Avery Dennison*	Learn how in-mold labels with NXP UHF chips support durable digital identification, traceability, and reuse across industrial and commercial applications.
NXP Nexty Aircon Total Solution for 1T, 1.5T & 2T	Explore a complete air conditioning solution with strong PFC performance, ready-to-use motor control algorithms, and wide power supply support.
Wi-Fi CSI	See how NXP's FRDM ecosystem supports Wi-Fi-based motion sensing applications using connected edge technologies.
Smart Factory -Distributed Motor Control with RT1180	Discover how RT1180 enables distributed motor control capabilities using EtherCAT communication for smart factory applications.
NAFE13388: Universal AFE for Industrial Measurements	See how the NAFE13388 enables precise multi-channel temperature measurement and real-time monitoring for industrial sensing and data acquisition.
Battery Energy Storage System (BESS)	Explore a modular high-voltage battery energy storage reference design with scalable monitoring, functional safety support, and a complete software stack.



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Partner Demos

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xEV drive	Explore a 400V xEV traction inverter no-load demo targeted toward light motor vehicle and three-wheeler applications.
Real-Time Vision AI on NXP Edge AI Platform	See how real-time Vision AI can run on NXP edge platforms to support live camera inference, centralized deployment, monitoring, and operational intelligence.

Partner Wall

Let's explore the NXP Partner Wall highlighting how NXP and leading ecosystem partners are accelerating development and helping customers bring intelligent edge solutions to market faster. The partner list is dynamic and may be updated with additional partners prior to the event.



General Notes:

- Demo content, featured products, and availability are subject to change without prior notice.
- NXP reserves the right to modify, replace, add, or remove demonstrations at any time.
- Event schedules and demonstrations may be changed, postponed, or cancelled due to unforeseen circumstances.
- NXP shall not be liable for any changes, delays, postponements, or cancellations related to the event or demonstration lineup.
- Demos marked with an asterisk (*) indicate customer demonstrations.