

NVIDIA Partners With Foxconn to Build Factories and Systems for the AI Industrial Revolution

NVIDIA AI, DRIVE AV, Isaac Robotics and Omniverse Platforms Set Foundation for Foxconn AI and Robotics Systems to Accelerate Digitalization of World's Industries

NVIDIA today announced that it is collaborating with Hon Hai Technology Group (Foxconn) to accelerate the AI industrial revolution.

Foxconn will integrate NVIDIA technology to develop a new class of data centers powering a wide range of applications — including digitalization of manufacturing and inspection workflows, development of AI-powered electric vehicle and robotics platforms, and a growing number of language-based generative AI services.

Announced in a fireside chat with NVIDIA founder and CEO Jensen Huang and Foxconn Chairman and CEO Young Liu at Hon Hai Tech Day, in Taipei, the collaboration starts with the creation of AI factories — an NVIDIA® GPU computing infrastructure specially built for processing, refining and transforming vast amounts of data into valuable AI models and tokens — based on the NVIDIA accelerated computing platform, including the latest NVIDIA GH200 Grace Hopper™ Superchip and NVIDIA AI Enterprise software.

Foxconn is also developing its smart solution platforms based on NVIDIA technologies:

- Foxconn Smart EV will be built on [NVIDIA DRIVE Hyperion™ 9](#), a next-generation platform for autonomous automotive fleets, powered by [NVIDIA DRIVE Thor™](#), its future automotive systems-on-a-chip.
- Foxconn Smart Manufacturing robotic systems will be built on the NVIDIA Isaac™ autonomous mobile robot platform.
- Foxconn Smart City will incorporate the NVIDIA Metropolis intelligent video analytics platform.

“Most importantly, NVIDIA and Foxconn are building these factories together. We will be helping the whole industry move much faster into the new AI era,” said Foxconn Chairman and CEO Young Liu.

“A new type of manufacturing has emerged — the production of intelligence. And the data centers that produce it are AI factories,” said Huang. “Foxconn, the world’s largest manufacturer, has the expertise and scale to build AI factories globally. We are delighted to expand our decade-long partnership with Foxconn to accelerate the AI industrial revolution.”

Enabling Foxconn Customers to Build AI Data Factories

Working closely with NVIDIA, Foxconn is expected to build a large number of systems based on NVIDIA CPUs, GPUs and networking for its global customer base, which is looking to create and operate their own AI factories, optimized with [NVIDIA AI Enterprise software](#).

Among the key NVIDIA technologies Foxconn is using to create these custom designs are NVIDIA HGX™ reference designs featuring eight NVIDIA H100 Tensor Core GPUs per system, NVIDIA GH200 Superchips, NVIDIA OVX™ reference designs and NVIDIA networking.

With these systems, Foxconn customers can leverage NVIDIA accelerated computing to deliver generative AI services as well as use simulation to speed up the training of autonomous machines, including industrial robots and self-driving cars.

Foxconn Eyes Potential AI Factory

In addition to equipping its customers with NVIDIA technology-powered AI factories, Foxconn is eyeing its own that will tap into the NVIDIA Omniverse™ platform and Isaac and Metropolis frameworks to meet the strict production and quality standards of the electronics industry.

Advances in edge AI and simulation are enabling deployment of autonomous mobile robots that can travel several miles a day and industrial robots for assembling components, applying coatings, packaging and performing quality inspections.

An AI factory with these NVIDIA platforms can give Foxconn the ability to accomplish AI training and inference, enhance factory workflows and run simulations in the virtual world before deployment in the physical world. Simulating the entire robotics and automation pipeline from end to end provides Foxconn with a path to operational efficiency gains, saving time and costs.

Developing Safe, AI-Powered EVs

Foxconn will also deliver a range of NVIDIA DRIVE™ solutions to global automakers, serving as a tier-one manufacturer of NVIDIA DRIVE Orin™-based electronic control units (ECUs) today and scaling to NVIDIA DRIVE Thor-based ECUs in the future.

As a contract manufacturer, Foxconn will offer highly automated and autonomous, AI-rich EVs featuring the upcoming NVIDIA DRIVE Hyperion 9 platform, which includes DRIVE Thor and a state-of-the-art sensor architecture. This will enable Foxconn and its automotive customers to realize a new era of functionally safe and secure software-defined cars.

About NVIDIA

Since its founding in 1993, [NVIDIA](https://nvidianews.nvidia.com/) (NASDAQ: NVDA) has been a pioneer in accelerated computing. The company's invention of the GPU in 1999 sparked the growth of the PC gaming market, redefined computer graphics, ignited the era of modern AI and is fueling industrial digitalization across markets. NVIDIA is now a full-stack computing company with data-center-scale offerings that are reshaping industry. More information at <https://nvidianews.nvidia.com/>.

Certain statements in this press release including, but not limited to, statements as to: the benefits, impact, and performance of our products, technologies, and services, including NVIDIA AI, NVIDIA DRIVE, NVIDIA Isaac, the NVIDIA Omniverse platform, the NVIDIA accelerated computing platform, NVIDIA DRIVE Hyperion 9, NVIDIA DRIVE Thor, NVIDIA Metropolis, NVIDIA CPUs and GPUs, and NVIDIA HGX; our partnership with Foxconn, including the benefits and impact thereof; the AI industrial revolution; a new type of manufacturing emerging; NVIDIA expanding our decade-long partnership with Foxconn to accelerate the AI industrial revolution; and advances in edge AI and simulation enabling deployment of autonomous mobile robots that can travel several miles a day and industrial robots for assembling components, applying coatings, packaging, and performing quality inspections are forward-looking statements that are subject to risks and uncertainties that could cause results to be materially different than expectations. Important factors that could cause actual results to differ materially include: global economic conditions; our reliance on third parties to manufacture, assemble, package and test our products; the impact of technological development and competition; development of new products and technologies or enhancements to our existing product and technologies; market acceptance of our products or our partners' products; design, manufacturing or software defects; changes in consumer preferences or demands; changes in industry standards and interfaces; unexpected loss of performance of our products or technologies when integrated into systems; as well as other factors detailed from time to time in the most recent reports NVIDIA files with the Securities and Exchange Commission, or SEC, including, but not limited to, its annual report on Form 10-K and quarterly reports on Form 10-Q. Copies of reports filed with the SEC are posted on the company's website and are available from NVIDIA without charge. These forward-looking statements are not guarantees of future performance and speak only as of the date hereof, and, except as required by law, NVIDIA disclaims any obligation to update these forward-looking statements to reflect future events or circumstances.

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