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XPENG Robotaxi is ready for mass production

- First mass-produced XPENG Robotaxi officially rolls off the production line
- China's first production-ready L4 Robotaxi marks the next step in mobility
- Pilot operation of a Robotaxi service to begin later this year



▲ First mass-produced XPENG Robotaxi officially rolls off the production line

Munich/Dielsdorf, 20 May 2026 – The Guangzhou (China)-based high-tech company XPENG has announced the official launch of its first mass-produced Robotaxi. With this, XPENG becomes the first car manufacturer in China to begin mass production of a Robotaxi based on a fully self-developed full-stack technology platform.

China's first factory-developed L4 Robotaxi model

The new Robotaxi is based on the XPENG GX and meets the requirements for Level 4 autonomous driving. Four Turing AI chips developed in-house by XPENG provide effective onboard computing power of up to 3,000 TOPS, making the vehicle a mobile high-performance AI computer.

As early as January 2026, XPENG received approval for road tests of intelligent connected vehicles in Guangzhou and subsequently began routine L4 test drives on public roads. In March, the company also established a dedicated Robotaxi business unit, consolidating product definition, research and development, testing, and operational processes to accelerate commercialization.

Unlike many existing Robotaxi solutions, XPENG completely dispenses with LiDAR sensors and high-definition maps. Instead, the company relies on a pure vision architecture, controlled by the new VLA 2.0 end-to-end AI model. By eliminating the traditional "Vision-Language-Action" intermediate steps, the system reduces response latency to under 80 milliseconds while significantly improving generalization for urban and even cross-border deployment scenarios.

In addition to state-of-the-art AI technology, the Robotaxi has been specifically designed for a comfortable premium travel experience. Features include privacy glass, comfortable zero-gravity seats, and entertainment screens in the rear. Passengers can enjoy multimedia content and individually control vehicle functions via an integrated voice assistant.

Pilot operation of a Robotaxi service to begin later this year

XPENG plans to launch initial pilot operations of the Robotaxi service in the second half of 2026 to further advance technical scalability, user acceptance, and business model validation. By early 2027, the company aims for fully autonomous operation without a safety driver on board. In addition, XPENG will open its own Robotaxi SDK in the future. Map service provider Amap will be the first global ecosystem partner.

The global Robotaxi market is currently at a decisive turning point – moving away from pure pilot projects towards large-scale commercialization. While many competitors continue to rely on prototypes or retrofitted vehicles, XPENG is already bringing a mass-produced L4 vehicle directly from the factory to the road. The global competition is thus increasingly shifting from the question "Who tests first?" to "Who scales first?"

The Robotaxi is also part of XPENG's comprehensive strategy in the field of "Physical AI." The underlying VLA 2.0 AI technology is also used in the humanoid robot project "IRON" as well as in the company's flying car. The current start of production thus marks another milestone for XPENG on the path to the large-scale introduction of physical AI applications.





About XPENG

XPENG (NYSE: XPEV and HKEX: 9868) is a leading electric vehicle company headquartered in Guangzhou, China, with offices in the US and Europe. The company is committed to advancing the transformation of smart EVs through technology and shaping the mobility experience of the future. To enhance its customers' mobility experience, XPENG develops in-house comprehensive technologies for advanced driver assistance systems and intelligent in-car interfaces, as well as core vehicle systems including the powertrain and the electrical/electronic architecture. Among others, the Volkswagen Group holds a 5 percent stake in XPENG (worth 700 million euros) to jointly develop electric vehicles under the VW brand for the Chinese market.

For more information, please visit <https://www.xpeng.com/>.

Contact details

Media contact

xpeng@hedindistribution.ch

Yasmin Fischer

yasmin.fischer@hedindistribution.ch

[+41 79 368 51 08](tel:+41793685108)

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