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# XPENG Presents the Future of Physical AI at AI Day 2026: Humanoid Robot IRON in Action

- XPENG AI Day 2026 under the motto “ORIGIN” on 25 November in Guangzhou
- Versatile humanoid robot IRON in the spotlight
- Autonomous driving live – news on flying vehicles



▲ XPENG AI Day

**Guangzhou (China), 23 November 2026** – Under the motto “ORIGIN”, XPENG will present its latest advances in physical AI, humanoid robotics and next-generation mobility technologies as part of its annual AI Day on 25 November 2026. The focus is on the latest generation of the versatile humanoid robot IRON.

**“ORIGIN”: Artificial intelligence meets the physical world**

The AI Day is taking place for the eighth time. Since the first edition in 2019, XPENG has continuously opened up new technological fields – from software-defined vehicles to AI-defined mobility and physical AI. Many of the technologies presented have since been

incorporated into real-world applications. In doing so, XPENG underlines its ambition to translate technological progress into concrete products and genuine added value for users.

When artificial intelligence leaves the digital world and enters the physical world, XPENG believes that ever more powerful large models for artificial intelligence (AI) are no longer enough on their own. Real environments are complex and often unpredictable. AI must therefore work closely with specially developed hardware and physical systems. The decisive factor for the next stage of development is that AI and its physical body, that is, the hardware in which it operates, evolve together. Only then can AI perceive its environment, understand it, act within it and continuously learn through interaction with the real world.

**Humanoid robot IRON demonstrates its capabilities**

At AI Day, XPENG shows how intelligence can be transferred from the AI “brain” to the physical body and turned into real capabilities. The humanoid robot IRON is a good example of this. Standing around 1.70 metres tall, the robot has a particularly human-like appearance as well as 76 degrees of freedom in the body and 21 degrees of freedom per hand. This makes complex and precise movement sequences possible.

IRON is powered by three self-developed Turing AI chips with an effective computing power of up to 2,250 TOPS (trillion operations per second). Thanks to XPENG’s AI foundation model used in the robot, IRON can carry out tasks independently and without remote control.

After eight years of research and development, the latest generation of IRON left the newly commissioned production line on 8 September 2026. Shortly before that, in August 2026, XPENG’s robotics division secured an equity financing round of more than US$900 million. Since the financing round was completed, the company’s valuation has stood at more than US$6.3 billion. It is the largest single private financing round to date in China’s embodied AI sector.

**Autonomous driving and new mobility concepts**

In addition to robotics, intelligent mobility plays a central role. Visitors to AI Day can experience autonomous driving from levels 2 to 4 live – from the NGP (Next Generation Pilot) intelligent driver assistance system to the level 4 robotaxi.

XPENG will also provide insights into the current development status of its flying vehicles. The range of applications shows how the XPENG ecosystem is growing and how the company is using artificial intelligence as a common foundation for robotics and mobility.

**Outlook on the next stage of development**

With AI Day 2026, XPENG underlines its ambition to link intelligent software and physical hardware even more closely. The event is intended to show how technological progress can be translated into concrete applications and what opportunities this creates for the mobility and robotics of the future. XPENG will announce further details at the event on 25 November.

## 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/.

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