



Press release Smoltek Nanotech Holding AB (publ)

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*This press release is an English version of the previously published Swedish version, which has interpretive precedence.*

## **Smoltek Semi presents its capacitor technology for next-generation AI and high-performance computing systems at Semicon Taiwan**

**Smoltek Nanotech Holding AB (publ) (“Smoltek” or “the Company”) announces that its subsidiary Smoltek Semi has been invited by its partner, the Taiwanese research institute ITRI (Industrial Technology Research Institute), to participate in Semicon Taiwan on September 10–12, 2025. Smoltek Semi will present its ultra-thin CNF-MIM capacitor technology optimized to meet the high demands of next-generation AI chips and data centers as well as high-performance computer systems.**

Semicon Taiwan is one of the world's leading meeting places for the semiconductor industry and brings together players from the entire value chain - from material and component manufacturers to the largest global chip companies.

“The market for AI chips is experiencing explosive growth. The driving force is the need to handle ever-increasing amounts of data and increasingly advanced AI models – from data centers to edge devices. This places completely new demands on power supply and stability in the chips. Our CNF-MIM capacitors are designed to deliver just that: high capacitance density in an extremely small volume, with low ESR/ESL”, says Magnus Andersson, CEO of Smoltek and President of Smoltek Semi.

Smoltek Semi's CNF-MIM (Carbon Nanofiber Metal-Insulator-Metal) technology enables the integration of decoupling capacitors directly under the chip or in the interposer. This provides a combination of high capacitance density, low parasitic resistance and inductance, and high reliability, characteristics that are critical for next-generation AI and HPC architectures where power management has become a critical bottleneck.

“We are pleased to present our technology at Semicon Taiwan together with ITRI. It is a unique opportunity to meet some of the world's leading players in the semiconductor industry and show how Smoltek Semi can contribute to solutions that make it possible to continue the development of increasingly and energy-efficient AI chips powerful AI chips”, continues Magnus Andersson.

Smoltek Semi sees Semicon Taiwan as a strategically important platform to establish contacts with potential customers and partners in the semiconductor and AI industry. Smoltek Semi is selected by ITRI to be part of their exhibition stand (L0600 in TaiNEX 1). Smoltek Semi will be represented on site by ChinJung Kuo, Process Engineer based in Taiwan, Dr. Qi Li, Project Manager.

**For further information**

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Smoltek Nanotech Holding is a deeptech company that provides a technology that enables the production of conductive nanostructures on various materials. The company's nanostructure manufacturing technology can be used in several industrial sectors. Customers are found in the global process industry and semiconductors. The products that the company develops are used in equipment to produce fossil-free hydrogen and in semiconductors to further miniaturize microchips. The company protects its unique carbon nanotechnology through an extensive patent portfolio consisting of more than 110 applied for patents, of which 96 are currently granted. Smoltek's share is listed on the Spotlight Stock Market under the ticker SMOL. Smoltek is a development company and forward-looking statements regarding time to market, production volume and price levels should be interpreted as forecasts and not commitments.