



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's CNF-MIM technology continues to demonstrate stable performance in extended life test conducted by global capacitor manufacturer

Smoltek Nanotech Holding AB (publ) (“Smoltek” or the “Company”) announces that its CNF-MIM technology has demonstrated stable electrical performance after 2,000 hours in an independent life test conducted by a global capacitor manufacturer. The test was conducted under constant voltage, with overall stable electrical performance maintained at both 85°C and 105°C. This further strengthens confidence in the reliability of the technology and supports Smoltek's development of advanced capacitors for AI, RF and optoelectronics, among other applications.

On [February 23, 2026](#), Smoltek announced results from 1,000 hours of operation in the corresponding test. Following this, the global industry partner has chosen to continue the evaluation to 2,000 hours, and the latest measurements show that the capacitors continue to exhibit stable electrical behavior under long-term bias at elevated temperature, with no major changes observed. This further supports the robustness of the CNF-MIM technology in semiconductor applications where long-term stability, low leakage and thermal reliability are crucial.

“The extended third-party life test to 2,000 hours is another encouraging result for our CNF-MIM technology. Continued stable performance under prolonged operation at 85°C as well as 105°C strengthens our confidence in the technology’s reliability and relevance for advanced semiconductor applications,” says Farzan Ghavanini, CTO at Smoltek.

The third-party life test is part of Smoltek’s ongoing qualification work for CNF-MIM capacitors, where reliability, ultra-low leakage current and high capacitance density are key parameters for future commercial applications. The results indicate that the CNF-MIM technology meets the high capacitor requirements for long-term reliability in advanced applications, including components for high-performance computing and data centers.

“The results from the extended test strengthen our assessment of the robustness of the technology and provide an important basis for our ongoing commercial dialogues,” says Magnus Andersson, CEO of Smoltek.

For further information

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Smoltek Nanotech Holding is a public technology company that provides a technology that enables the production of conductive nanostructures on various materials. The company's technology multiplies the actual surface area for electrical and chemical processes and can be used in several industrial sectors. Customers are found in semiconductors and the global process industry. The products that the company develops are used as infrastructure components for stable power supply microchips and as electrodes and surface structures in equipment for the production and use of fossil-free hydrogen. The company protects its unique carbon nanotechnology through an extensive patent portfolio. 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.