



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 and YAGEO Group sign Joint Development Agreement to commercialize discrete capacitors

Smoltek Nanotech Holding AB (“Smoltek”) announces that the group company Smoltek Semi AB (“Smoltek Semi”) has entered into a Joint Development Agreement (JDA) with a subsidiary of YAGEO Group (“YAGEO”), a global electronic component company, to commercialize a silicon based Carbon Nanofiber (CNF) discrete capacitor. The capacitors are based on Smoltek’s patented CNF-MIM technology and will be fabricated using a proprietary nano-fiber synthesis machine and industrial silicon foundry processes.

The initial target application is a decoupling capacitor for microprocessor landside mounting. The target thickness for this discrete capacitor is 40 microns. Landside decoupling for microprocessors is an increasing area of interest for miniaturization within the semiconductor industry.

The JDA constitutes the next step in accordance with the Memorandum of Understanding (MoU) previously signed by the parties. In conjunction with the signing of the JDA, Smoltek Semi will receive 1.5 MUSD to be used for development activities within the framework of the partnership with YAGEO.

Dr. Philip Lessner, Senior Vice President of YAGEO Group states, “This partnership is an excellent opportunity to commercialize a new technology that will be used in capacitors for applications where space is at a premium and high capacitance density is required”.

Håkan Persson, CEO of Smoltek Nanotech Holding says, “We are excited to partner with a major passive component manufacturer to commercialize a product that is based on our core Carbon Nanofiber technology. We now have a perfect partner in place to complete a

competitive product and industrial mass production process for our ultra-thin CNF-MIM capacitors”.

About YAGEO

Founded in 1977, YAGEO Corporation is a leading global electronic component company providing one-stop-shopping for its complete product portfolio of resistors, capacitors, inductors, transformers, relays, antennas, and circuit protection components to meet the diverse requirements of customers.

YAGEO's broad product offerings are targeted at key vertical markets, including aerospace, automotive, 5G & telecommunications, industrial, medical, IoT, power management, renewable energy, computing, and consumer electronics.

YAGEO currently ranks as the world No.1 in chip resistors, No.1 in tantalum capacitors, and No. 3 in MLCCs and inductors, with strong global presence - 47 sales offices, 49 Manufacturing sites, 20 R&D centers and 45,000 employees worldwide. The company is listed on the Taiwan Stock Exchange since October 1993.

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Smoltek develops process technology and concepts for applications based on carbon nanotechnology to solve advanced materials engineering problems in several industrial sectors. The company protects its unique technology through an extensive and growing patent portfolio consisting of around 100 applied for patents, of which 76 have been granted. Smoltek's share is listed on Spotlight Stock Market under the short name 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.