



Smoltek newsletter, September 2021

Hello,

Here are the highlights of this newsletter:

- Get to know Håkan Persson, newly appointed CEO
- Evaluation license extension – Commercial production aspects in focus
- Ellinor Erhnberg appointed new President of Smoltek Innovation
- New improved data for the CNF-MIM capacitor technology
- R&D equipment investments
- Meet Simin – new R&D engineer
- Get to know Henri – R&D intern
- New patent granted
- MAQS business lawyers: NDA – what and why?

Interview with newly appointed CEO, Håkan Persson

Håkan Persson, with many years of experience in running and developing listed technology companies, is appointed new CEO of Smoltek. He will assume the position October 1st.

"It will be an exciting challenge to realize this potential together with the technically skilled and innovative Smoltek team, and I look forward to contribute with my knowledge and experience from similar situations", says Håkan Persson.

For all of you who are curious of Håkan we've made a short Q&A with him.

<https://www.smoltek.com/post/interview-with-h%C3%A5kan-persson-incoming-ceo-of-smoltek>



Håkan Persson, appointed CEO of Smoltek

Evaluation license extension – Commercial production aspects in focus

The license agreement signed in April 2020 with a world-leading manufacturer of passive electronic components, including capacitors, that was earlier extended until the end of August 2021 has now been further extended to the end of 2021. The collaboration has worked very well, with satisfactory progress achieved by engineers from both parties when it comes to validating the performance of the CNF-MIM technology. The project is now moving into a new phase with a stronger focus on commercial production aspects such as reliability, manufacturability and production cost.

<https://news.cision.com/smoltek-nanotech-holding-ab/fr/smoltek-extends-evaluation-license-for-its-cnf-mim-capacitor-technology-to-increase-focus-on-commerc.c3406210>

Ellinor Ehrnberg appointed new President of Smoltek Innovation

During the past year, Ellinor Ehrnberg has held the position of business area manager of Smoltek Innovation. From the first of October she will take on the role as President of the wholly owned group company. In this way we secure valuable knowledge and experience within its continued efforts to create new technology innovations based on the company's patent-protected nanotechnology platform, where the development of completely new technology for electrolyzers is one of the leading areas for the company when it comes to interacting with the market.

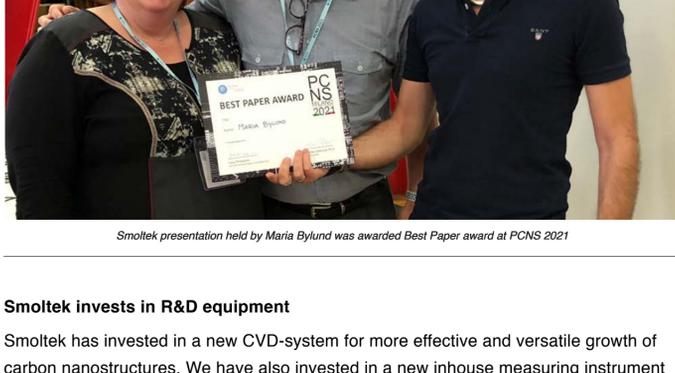
<https://news.cision.com/smoltek-nanotech-holding-ab/fr/ellinor-ehrnberg-appointed-as-new-president-of-the-group-company-smoltek-innovation-ab.c3403728>



Ellinor Ehrnberg, appointed President of Smoltek Innovation

New improved data for the CNF-MIM capacitor technology

September, 7th-10th, we attended the Passive Components Networking Symposium in Milano, Italy. Actually, one of very few events in this niche in Europe – and an IRL conference as well! On site R&D engineer Maria Bylund presented new improved data for the CNF-MIM capacitor technology, where we have managed to make significant improvements on several important parameters.



Smoltek presentation held by Maria Bylund was awarded Best Paper award at PCNS 2021

Smoltek invests in R&D equipment

Smoltek has invested in a new CVD-system for more effective and versatile growth of carbon nanostructures. We have also invested in a new inhouse measuring instrument system, which provides increased opportunities for measuring and characterizing all samples manufactured in the MC2 laboratory.

<https://www.smoltek.com/post/smoltek-has-made-investments-in-r-d-equipment>



R&D engineer Amin Saleem with the first growth in the new system – a 150 mm wafer filled with CNF-MIM capacitors

Simin is new R&D engineer at Smoltek

Simin Zare, M.Sc. from Chalmers University of Technology is employed as a new research engineer since June 2021, and will mainly work on the fabrication of nano and microelectronics and characterization. She holds a bachelor's in chemical engineering and two masters in nanotechnology, the first one's focus was on the synthesis of nanomaterial. The second one is with a focus on the fabrication of on-chip microsupercapacitors.



R&D engineer Simin Zare at Chalmers MC2 laboratory

Intern from Amiens, via Paris, to Gothenburg

Henri Lehouelleur, from Amiens in France, is on a 6 months internship at Smoltek where he works on material treatment, in order to facilitate the infiltration of phase change material into CNFs, used for thermal management of high-power electronics.

"I like small size fabrication and physics, that's why I wanted to have these 6 months internship in nanofabrication", he says. Henri usually studies at ESPCI Paris-PSL, a French top school in the fields of physics, chemistry and biology.



R&D intern Henri Lehouelleur at Chalmers MC2 laboratory

New patent granted

Smoltek's IP-portfolio is the foundation of our licensing business model, and key for us in the dialogue with potential customers. Therefore, we are very pleased to announce yet another granted patent to comprise 69 granted patents in total.

<https://www.smoltek.com/post/smoltek-patent-no-69-now-granted>

Non-disclosure agreements: what and why? – by MAQS

There are many legal issues connected to our business, not least as a public company. In collaboration with our law firm MAQS, we will raise a relevant issue. This time we will address what applies regarding NDAs (Non-disclosure agreements).

<https://www.smoltek.com/insights-nda>



Industry highlights

Tech news worldwide produces vast numbers of news on a daily basis. Here are some interesting articles that we find insightful and hopefully give you a glance of the general development.

Semiconductor, Advanced packaging schemes:

<https://semitechnology.com/bumps-vs-hybrid-bonding-for-advanced-packaging/>

Energy conversion, Hydrogen cuts carbon emission in transports:

<https://www.forbes.com/sites/alanohnsman/2021/09/07/hyundai-making-big-hydrogen-push-with-cheaper-fuel-cells/?sh=345526dc411a>

Fall is closing in – and increased pace in samples production is forecasted

Summer is officially over and the autumn is entering the Swedish Westcoast. Things are getting up to speed and we foresee an interesting fall with an increasing demand of samples production for proof of concept and increased performance.

Stay tuned for more news on our website, newfeed updates and social media postings.

/Regards, Marie



Marie Landfors, Interim CEO

marie.landfors@smoltek.com