



Smoltek newsletter, April 2021

Hello,

Here are the highlights of this newsletter:

Smoltek demonstrated the thinnest capacitor in the world

Smoltek files new patent for Carbon nanofiber-based electrolyzers

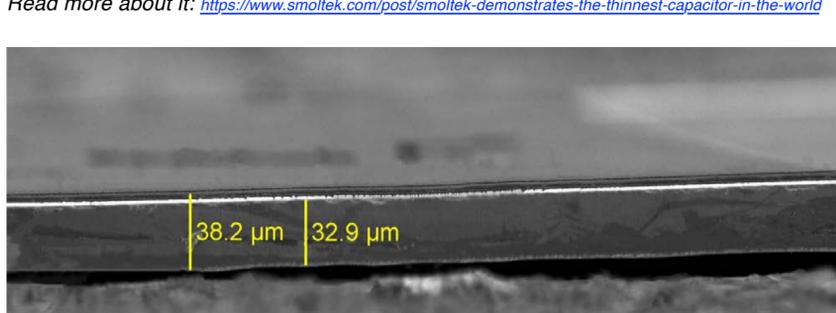
Continued customer dialogue after evaluation license

Changes in management– new CEO will be appointed

Smoltek demonstrates the thinnest capacitor in the world

Smoltek has developed a prototype of a CNF-MIM capacitor with a total height of just under 40 micrometers. The thinnest capacitor in the world. This at the same time as it can show a capacitance density of 500nF/mm² (nanofarad per square millimeter), an equivalent series resistance below 10 mΩ (milliohm) and an internal inductance below 15 pH (picohenry).

Read more about it: <https://www.smoltek.com/post/smoltek-demonstrates-the-thinnest-capacitor-in-the-world>



The thinnest capacitor in the world – Tilted side view of the capacitor die incl. Height markings

Second patent application for Carbon nanofiber-based electrolyzers filed

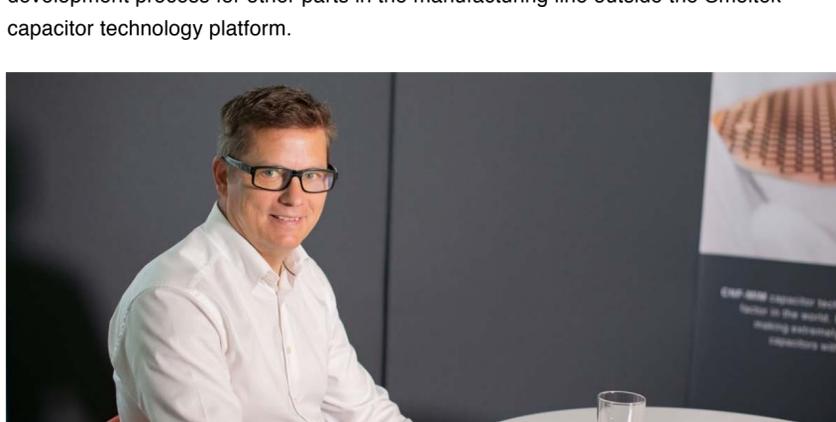
Smoltek is pushing the development of CNF-based electrolyzers for sustainable and cost-effective green hydrogen production. The first patent covered utilization of our core technology in electrolyzer architectures, this second patent covers methods for efficiency gains.



Fabian Wenger, Tech lead at Smoltek Innovation

Continued customer dialogue after evaluation license

The project that started with the evaluation license agreement signed with a leading capacitor manufacturer in March last year has ended, but joint discussions will continue. However, as of now the manufacturer needs to proceed with an alternative development process for other parts in the manufacturing line outside the Smoltek capacitor technology platform.



Ola Tiverman, President of Smoltek Semi

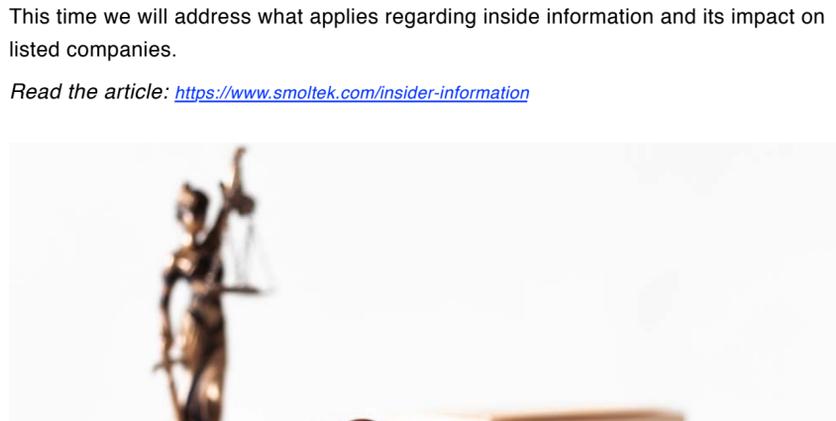
Changes in management – new CEO will be appointed

Anders Johansson and the board of Smoltek Nanotech Holding AB have jointly decided to implement a change of CEO in the company. Thus, Anders Johansson now leaves the role of CEO, but will be available to the company for another six months to ensure a satisfactory handover. Marie Landfors takes over as interim CEO. The Board has initiated a recruitment process for a permanent CEO of the company.

Inside information and its impact on listed companies – 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 inside information and its impact on listed companies.

Read the article: <https://www.smoltek.com/insider-information>



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, More computing power needed:

<https://semiengineering.com/the-future-of-transistors-and-ic-architectures/>

Semiconductor, A glance at next process nodes

<https://semiengineering.com/breaking-the-2nm-barrier/>

Electrolyzers, Green hydrogen for steel production:

<https://energypost.eu/hybrid-project-sweden-goes-for-zero-carbon-steel/>

Electrolyzers, More green hydrogen for steel production:

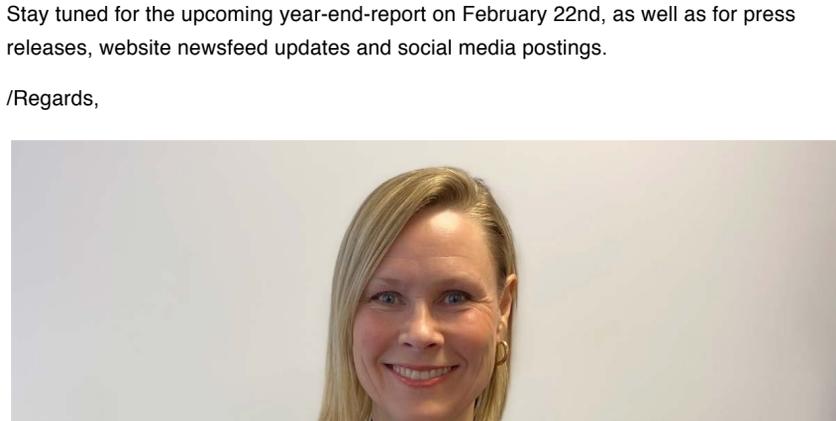
<https://fuelcellsworld.com/news/h2-green-steel-to-build-large-scale-fossil-free-steel-plant-in-northern-sweden/>

Keep keeping distance!

The spread of Covid-19 disease is still not under control. At our end we are organizing our work so that risks are minimized, this has paid off so far. Let's continue to stay safe together by supporting vaccination schemes and obeying rules and recommendations as provided by the authorities.

Stay tuned for the upcoming year-end-report on February 22nd, as well as for press releases, website newsfeed updates and social media postings.

/Regards,



Marie Landfors, Interim CEO

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