



Smoltek newsletter, December 2021

Hello dear subscriber,

Here are the highlights of this newsletter:

- Smoltek in one and a half minutes (in Swedish)
- Smoltek at Stora Aktiedagen investor event (in Swedish)
- Electrolyzer technology – development
- Proof-of-concept for electrolyzer technology
- CNF-MIM technology – development
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Smoltek in one and a half minutes (in Swedish)

CEO, Håkan Persson presents Smoltek in a swift elevator pitch:

<https://www.youtube.com/watch?v=T6hTMM--g0>

Smoltek at Stora Aktiedagen investor event (in Swedish)

On November 30 Håkan Persson presented Smoltek at the investor event Stora Aktiedagen, by Aktiespararna in Stockholm, Sweden. The presentation is around 20 minutes long, followed by a short Q&A.

Watch the presentation: <https://www.youtube.com/watch?v=Gca4sJlakPY&t=20s>



Håkan Persson, CEO of Smoltek

Electrolyzer technology – development

In 2021 we have initiated a handful of collaboration projects for our electrolyzer technology. On the resources side we have strengthened the electrolyzer team with a few heads. And we will add on a few more in the year to come.

The objectives for 2022 is to produce a small-scale demonstrator, and thereafter a full-scale prototype with the same size and characteristics in future large-scale production. We are also working on a suitable anti-corrosion coating for the cell-material. This continued technical development is planned to be conducted in collaboration with a global manufacturer, as well as through continued work with European research groups.

Moreover, we are part of a research network which have been approved for a research grant on sustainable energy. However, the frame of this research work has not yet been set.



Ellinor Ehrberg, President of Smoltek Innovation

Proof-of-concept for electrolyzer technology

Smoltek has achieved proof of concept for our high-performing, nanofiber-based cell material for PEM-electrolyzers. We have now demonstrated that the cell material fulfils several important performance and durability requirements, including very low contact resistance, which potential industrial partners have stated that as key features before a collaboration regarding the continued development can be initiated.

Read more: <https://www.smoltek.com/post/advances-in-our-technology-for-new-cell-material-for-electrolyzers>



Parts of Smoltek R&D -team

CNF-MIM technology – development

The extended evaluation project so far has been good and fruitful, and future forms of cooperation are discussed. In 2021, we initiated the industrialization project of discrete CNF-MIM capacitors. This has meant that we have now deepened the collaboration with the licensee, where we have extended the evaluation agreement in several rounds, as well as with the foundries, where the production will take place. Negotiations with suppliers of carbon nanofiber reactor chambers for high-volume production are ongoing.

At the same time, our efforts within Smoltek Semi have been intensified with, among other things, recruitments.



Ola Tiverman, President of Smoltek Semi

New patent granted

Smoltek has yet another patent granted. This time in Taiwan. The patent is related to the Assembly platform patent family in the direction of interconnects. This also makes our patent portfolio to now comprise 70 granted patents.

Read more: <https://www.smoltek.com/post/smoltek-patent-no-70-now-granted>

Warrant of series TO 4 – outcome

Smoltek received approximately SEK 22.0 million before issue costs through the exercise of the warrants of series TO 4. In total, 1,168,078 warrants of series TO 4 were exercised, corresponding to approximately 92.6 percent of the total number of outstanding warrants of series TO 4. Warrants of series TO 4 were issued during the fourth quarter of 2020.

Read the press release:

<https://news.cision.com/smoltek-nanotech-holding-ab/r/warrants-of-series-to-4-were-subscribed-to-approximately-92-6-percent-and-smoltek-nanotech-holding-a.c3447918>

Warrants to CEO and Chairman of the Board fully subscribed

At the Extraordinary General Meeting on December 20, 2021, Smoltek issued warrants to the Company's CEO and its Chairman of the Board. The company announced in a press release that the CEO and Chairman of the Board have subscribed for all options in each offer. Furthermore, the warrants' option premium and subscription price have been set at SEK 5.12 and SEK 47.83, respectively.

Read the press release:

<https://news.cision.com/smoltek-nanotech-holding-ab/r/issued-warrants-fully-subscribed-by-the-ceo-and-chairman-of-the-board.c3477605>