

Top 10 clean-tech startups in the Nordics

Written by Nordic Cleantech Open

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Nordic Cleantech Open presents the 10 most promising cleantech startups in the Nordics.

The ten companies represent the very best and most innovative within novel Nordic cleantech. The companies have been selected through a very thorough selection among over 100 applicants. First, a jury consisting of more than 50 representatives from venture capital funds and industrial companies have graded the companies. Then the entrepreneurs from the 25 best companies have met large parts of the jury in order to further strengthen their cases. Based on these meetings the jury have selected the top 10, the best of the best out of 111 applicants. The top 10 will be presenting at the Cleantech Capital Day in Malmö 19 May where the audience will take part in picking the winners.

The jury contains representatives from the venture arms of energy companies such as ETF, Fortum and Agder Energi, Chemical companies such as SABIC, BASF, Dow and Evonik, among the other participants in the jury are Robert Bosch, Mahle, Shanghai Electric, General Electric, Grundfos, GDF Zues, Stora Enso, Skanska and Veolia.

"The large participation of industrial companies in the jury means great possibilities for the participating companies, not only to find investors but also to find future development partners and customers" says Magnus Agerström, Managing Director, Nordic Cleantech Open

Among the venture funds represented in the jury the Nordic ones are a minority. Funds based in Canada, Russia, Great Britain, Germany, Belgium and France makes up the bigger part.

Here are the top 10 companies:

3eflow, Sweden

3eflow develops and sells an innovative tap water flow solution. The technology auto-fill the pipeline only when you open the tap. The tubes are thus empty 98-99% of the time. The solution delivers increased comfort, 30% savings in water usage and huge energy savings.

Bioextrax, Sweden

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Bioextrax is focused on the development and commercialization of a unique bio-extraction platform technology. The technology platform can be used, among other things, for the efficient extraction of PHA plastics (bio-based plastics), protein hydrolysate from protein rich waste, and bio-oils from micro algae.

Biotech, Sweden

Biotech's mission is to prevent eutrophication, ensuring access to clean water, and to recycle phosphorus, thus securing food supply for a growing population. Biotech's filter bed technology can both treat and recycle phosphorous in a cost effective manner. The technology is flexible and modular allowing it to be used for different needs and environments. It is easy to operate and requires limited investment.

Cleanfield, Denmark

Cleanfields BioBox is an automatically driven installation, which removes or reduces organic pollution, especially hydrocarbons from large volumes of soil or sludge. It can be installed as a plug and play unit and can after completion of a cleaning service, be moved to a new location.

Free Energy Innovation, Norway

By taking the best from the solar industry crossing it with state of the art within the heat pump industry, Free Energy Innovation has developed HYSS – Hybrid Solar System. The combination of the new generation of inverter controlled heat pumps and thermal solar panels, gives a SCOP (Seasonal Coefficient Of Performance) in the range 6-8, which is 2 times higher than a traditional ground source heat pump.

Icesolution, Norway

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Icesolution has developed a microwave-absorbing coating and intends to offer it as a retrofit de-icing for existing wind turbines. Over 10 000 large existing turbines lack de-icing functionality.

Nordic Power Convertors, Denmark

Nordic Power Convertors technology cuts the size of a power converters to a fifth and the cost in half while increasing lifespan 2-5 times. The company's first focus will be on better LED power converters, where the products will be on the market by the start of 2016.

Paxymer, Sweden

Paxymer has a patented, novel, flame retardant system for polyolefin plastics. Completely free from toxic chemicals, resulting in improved usability, fire safety and environmental properties. A functional, green substitution to brominated flame retardants.

RecondOil, Sweden

RecondOil offers a closed loop for industrial use of lube oil. By using the unique remanufacturing technology it is possible to extend the life of lube oil almost endlessly. This enables the same oil to be sold over and over again, in a fully circular economy use.

Wirepas, Finland

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Wirepas Pino is all about uncompromised low power wireless networking for connecting things. Pino is a solution for multi-hop mesh network, boasting reliable and deterministic performance with scale up to millions of nodes without regression. With Pino, you can maximise your application efficiency and reliability and build a successful IoT service business.

[Nordic Cleantech Open](#) is a competition that identifies, upgrades and highlights the 25 best cleantech startups in the Nordics every year.