

## NORDIC CLEANTECH OPEN 9th EDITION

The competition for cleantech start-ups!

Organizer



Supporting Partner



# The Top 25 most innovative start-ups from the Nordic Cleantech Open are announced 2019/2020

**Lund, February 26<sup>th</sup> 2020** - *For 9 years the [Nordic Cleantech Open](#) competition has served as an observation tower for the cleantech innovation trends coming to support the transition to a low carbon reality.*

The 9th Edition of the Nordic Cleantech Open has broken a new record: it was 140 applications coming from all corners of the Nordics and the Baltics, and now the Top 25 most innovative, promising and ready-to-scale companies have been announced.

With a very market-oriented proposition, about 50 international jury members come from venture capital firms, multinational companies, utility sector, public investors, etc. They were the ones to analyse the 140 applications based on their level of innovation, market potential and ability of the team to execute.

The selected 25 companies to participate in the next phases bring blockchain, digitalization and AI as solutions for greener and smarter energy and transportation, water solutions for savings and shortages, sustainable materials for the textile and construction industries and Foodtech solutions bringing resignification to protein, which has gained attention in the cleantech sector.

Next, the Top25 companies will meet the jury at Trolleholm, Southern Sweden, 28-29<sup>th</sup> March, where they get to pitch and present their case, participate in one-to-one meetings among other more recreational and mingling activities. The Top10 will then move into the finals together with Cleantech Scandinavia's main event: Clean Energy Capital Day, 12-13<sup>th</sup> May, in Lund.

Here is the list of Top25 companies and their description, sorted in alphabetical order:

**anker**  
**Ankeri Solutions**  
Iceland  
[www.ankeri.net](http://www.ankeri.net)

Ankeri provides a cloud-based software platform for ship owners and charterers to manage and share ship data and collaborate for improved performance.



**Applied Autonomy**  
Norway  
[www.appliedautonomy.no](http://www.appliedautonomy.no)

Applied Autonomy delivers cloud-based technology for connected and autonomous vehicles and share vital data about road conditions, weather, detours, traffic and other factors that could affect a fleet's efficiency and performance. This technology can also be used by cities to implement dynamic road pricing, thus incentivising sustainable travel practises such as ride-sharing and public transportation.

**Biofiber**  
BIOFIBER TECH SWEDEN AB  
**Biofiber Tech**  
Sweden  
[www.biofibertech.com](http://www.biofibertech.com)

Biofiber Tech has an unique and scalable technology to modify wood fibers to make them become more "plastic like". Through this, Biofiber Tech is enabling the pulp & paper industry to produce a new commodity that can be sold to plastic compounders to replace fossil based plastics.

  
**biotrino**  
**Biotrino**  
Denmark  
[www.biotrino.com](http://www.biotrino.com)

Biotrino produces Blonde Chlorella - a yellow microalgae packed with nutrients that can be used as a tasty protein source, and to replace eggs. On top of this, microalgae production is among the most sustainable forms of food production known.

*Candela*  
**Candela Speedboat**  
Sweden  
[www.candelaspeedboat.com](http://www.candelaspeedboat.com)

Candela developed the world's first electric boat with a speed and range comparable to fossil fuel competitors.

  
**CELCIBUS**  
**Celcibus**  
Sweden  
[www.celcibus.com](http://www.celcibus.com)

Celcibus AB develops solutions for sustainable energy systems, where the initial products are fuel cell components based on a unique and patented catalyst. This catalyst is free from platinum group metals for low cost and reduced environmental impact.

**CemGreen**  
**CemGreen**

CemGreen ApS provides substitution materials to the cement industry, which leaves a smaller carbon footprint than traditional materials. It has a new patented technology whereby shale a waste product from limestone mining can be utilized as supplementary cementitious material (SCM) with a

Denmark  
[www.cemgreen.com](http://www.cemgreen.com)



**Chromologics**  
Denmark  
[www.chromologics.com](http://www.chromologics.com)

substitution rate of up to 30% without compromising the final product.

Chromologics has developed a fungal platform for the production of natural colorants in a more sustainable way. They combine cell factory design with process technology to revolutionize the way food colorants are produced -away from agriculture and farming towards scalable biotech processes.



**ColloidTek**  
Finland  
[www.colloidtek.fi](http://www.colloidtek.fi)

Collo created liquid process performance solution. Innovative, real-time liquid fingerprint analytics technology enables industrial customers to increase their productivity, minimize use of energy and use of materials, decrease waste and increase quality of their liquid processes.



**The Train Brain**  
Sweden  
[www.thetrainbrain.com](http://www.thetrainbrain.com)

The Train Brain offers decision support and delay forecasting to train and bus operators as well as to public transport authorities. The plug & play AI solution uses vehicle positioning data to provide early warnings to traffic control, second opinions on timetables and more actionable traffic info to customers.



Energy Save Technologies

**Ensavetec**  
Finland  
[www.ensavetec.com/en](http://www.ensavetec.com/en)

Ensavetec upgrades shower floor drain to Smart Floor Drain and energy efficiency product. It works just like a normal floor drain, but a Smart Floor Drain saves energy every single shower. A Smart Floor Drain is as easy to install as a normal floor drain.



**Gelatex Technologies**  
Estonia  
[www.gelatex.com](http://www.gelatex.com)

Gelatex develops an eco-friendly scalable leather-like textile for fashion and interior design. The material is made of nanofibers of gelatine by upcycling meat industry by-products. Gelatex is 100% non-toxic, comes in rolls and is easily mass-producible using zero-waste patent-pending technology.



**Geysers Batteries**  
Finland  
[www.geyserbatteries.com](http://www.geyserbatteries.com)

Geysers Batteries develops and manufactures a new class of high-power, water-based, non-lithium batteries, which are capable of over one million of fast charging cycles. Thanks to the use of aqueous electrolytes and novel proprietary electrochemistry, Geysers Batteries' products have nearly-zero carbon footprint, are completely safe and competitively priced.



**Laava Tech**  
Estonia

[www.laavatech.com](http://www.laavatech.com)

Laava Tech develops technology to decrease lighting energy consumption in indoor farming by up to 90%. Our proprietary tech is a combination of software and hardware and enables significant energy and cost savings for indoor farmers.



**Mimby**  
Sweden

[www.mimby.se](http://www.mimby.se)

Mimby creates sustainable laundry solutions. Their first product "the Mimbox" is an add-on solution for washing machines that recycles water, saves energy and filters out microplastics that are released from synthetic textiles.



**MOPRIM**  
Finland

[www.moprim.com](http://www.moprim.com)

MOPRIM creates mobility behaviour data and insights covering all modes of transport with the help of proprietary AI and machine learning algorithms. They offer data on Mobility Footprint, multi-modal travel chains, carbon footprint and user's mobility profile. With MOPRIM data, mobility services can be improved and personalized thus enabling behavioural change in cities.



**Mycorena**  
Sweden

[www.mycorena.com](http://www.mycorena.com)

Mycorena has created Promyc, a vegan protein ingredient with high-quality and low climate impact. Using an innovative fungi-based process, they create protein sources using side-streams and by-products from the food industry. With their process and their product - they enable food companies to create novel and sustainable food products, creating value from their own industrial food loss.



**N2 Applied**  
Norway

[www.n2.no](http://www.n2.no)

N2 Applied AS has developed a solution that enables farmers to produce their own nitrogen, keeping the nutrients in the farm-cycle and stopping emissions of greenhouses gases and air pollution. The solutions only use air, electricity and manure/biogas digestate.



**Oisann Engineering**  
Norway

[www.waterfountain.no](http://www.waterfountain.no)

Oisann Engineering developed a scalable Water fountain, offshore desalination system that can inexpensively help solve the water crisis; without creating an environmental crisis.



**Plant Jammer**  
Denmark

[www.plantjammer.com](http://www.plantjammer.com)

Plant Jammer's technology empowers 250.000 homes to cook more sustainably: Making it easy to stop food waste and eat more veggies. The Plant Jammer app is a 'chef in your pocket' that gives users superpowers in the kitchen. With Plant Jammer's connection to a food waste marketplace, they create a new connected food system that reduces waste across the food chain.



**SweGaN**  
Sweden

[www.swegan.se](http://www.swegan.se)

SweGaN manufactures high quality, custom-made materials and epitaxial wafers based on the unique epitaxial growth technology for manufacturers of leading components and devices for satellite, communications and defense organizations as well as world-leading manufacturers of power electronics used in electric vehicles, solar inverters and more. The performance of QuanFINE® technology and quality materials delivers high power, high frequency devices to create future-oriented solutions.



**Swestep**  
Sweden

[www.swestep.com](http://www.swestep.com)

Swestep offers a patented technology, a catalytic conversion process that recycles hydrocarbon-based residues, as ex. biomass, plastics and tires into renewable fuels and other oil-based products.



**UnivrSES**  
Sweden

[www.univrSES.com](http://www.univrSES.com)

UnivrSES has developed 3DAI™ City – a Smart City product that solves the need for timely, relevant and actionable data about the urban environment. Smartphones are deployed on public vehicles such as buses and taxis. Images from the smartphone camera are processed in real-time at the "edge" to extract data and yield insights



**WePower**  
Lithuania

[www.wepower.network](http://www.wepower.network)

WePower green energy procurement and trading platform standardised green energy procurement allowing any company, no matter the size, to purchase green energy directly from renewable energy producers.



RECYCLING TECHNOLOGIES

**Wimao Ltd**  
Finland

[www.wimao.fi](http://www.wimao.fi)

Develops and commercializes the recycling technology for turning mixed plastic waste and other hard to recycle waste materials into ecological composite products.

## About Cleantech Scandinavia

[Cleantech Scandinavia](#) is the renowned provider and promoter of Nordic and Baltic Cleantech. Our exclusive platform of Nordic cleantech companies offers a unique opportunity for our well-established international network of investors, industrials, energy utilities, real estate companies, cities, service providers and the public sector. We are the trusted source of cleantech-related investment opportunities, business intelligence and investment statistics in the Nordics.

Among our network activities, we every year the **Cleantech Capital Day**, our main event of the year, where some 250 international investors, VCs, industries and cleantech companies meet over the course of two days to network and do business. Cleantech Capital Day goes hand in hand with **the Nordic Cleantech Open** – this cleantech startup competition that puts the spotlight on the ever-increasing flow of cleantech innovation from the Nordics and Baltics. During the Nordic Cleantech Open, we gather the best cleantech startups, and then our international jury of investors and corporate VCs evaluate the companies according to their innovation, market potential, and team. In addition to the network activities, we also offer consultancy services on an individual assignment basis.

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