

Sopot Nanotech Firm Named One of World's Top 15 Start-ups to Watch



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Sopot-based Nanoseen led by co-founders Bartosz Kruszka and Mikołaj Granuszewski develops innovative nanomaterials obtained through recycling metal wafers to build a NanoseenX water filter.

They are currently working on creating a solution to break down micro and nano-plastics in harbours and marinas. Kruszka told TFN: "Undoubtedly, being included in that list inspired very positive feelings and a huge dose of motivation in us.

"Globally, 844 million people lack access to clean water. Without easily accessible clean water, families and communities are locked in poverty for generations.

"Children drop out of school and parents struggle to make a living. Nanoseen is a team of nanotechnology engineers and scientists who prove remarkable properties of NanoseenX nanomaterials as a core component of the company's products that will help solve many problems related to climate change such as water shortage and plastic pollution."




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Nano-materials are materials in which a single unit is sized between 1 and 100 nano-metres with one nanometre being equal to one billionth of a metre.

The naked eye is unable to register these materials but under laboratory conditions trained scientists can harness the power of these materials to do incredible things.

The mass production of the Nanoseen water filter, known as the NanoseenX, will begin in early 2021. This will be available to industrial commercial partners and individuals.

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Kruszka, who is originally from Aleksandrów Kujawski which is close to Torun, said: “We would like to finish the prototype of the NanoseenX filter to purify and desalinate water so that we can obtain water that is fit to drink.

“We would also like to complete the research on a method of damaging micro and nano-plastic in water with the use of NanopowderX. “We are also going to make unique paints that will remove pollutants from the air.”

The water filter could become an essential item for disaster relief teams who respond to devastating natural phenomena such as earthquakes, floods, tornados, hurricanes and manmade disasters such as war.

The effects of these events is often exacerbated by damage to the clean water supply and affects individuals abilities to eat, drink and maintain hygiene.

Read the [original article](#) on The First News.

