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From OTC Markets Global Headquarters in Lower Manhattan, you're listening to the OTCQB Podcast, featuring the entrepreneurs and innovators behind the companies that trade on the venture market. Joining us today is Kjirstin Breure, the CEO of HydroGraph Clean Power, that trades on our OTCQB venture market under the ticker HGCPF. HydroGraph is a commercial manufacturer of high-quality nanomaterials and alternative energy fuels. The company was founded in 2017 and acquired the exclusive license from Kansas State University to produce both graphene and hydrogen through their patented detonation process. Kjirstin, thanks so much for joining us today.

Kjirstin Breure

And thanks so much for having me on.

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Absolutely. So to start, quickly just tell us a little bit about yourself and how you get involved in the nanomaterials industry.

Kjirstin Breure

Sure, so I do have a background in materials engineering. I have been with the company for five years. I was actually the first employee when we were just getting started in Vancouver. And really back then, it was only a couple of us. It was myself and the two co-founders. They had no tension to stay on to operate the company. So the team that you see now, we're about 16. We're a Canadian public company. We have most of our operations in the US and then we have an applications lab in Manchester. So we've really grown quite a lot. Back then, it was more of an experiment in a back room at a university and now we're a full commercial operation. So it's been very exciting growth.

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So talk about graphene. What is this? How is it made? And what are the current and future applications for it?

Kjirstin Breure

Sure. So graphene is pure carbon and it is just one atomic layer of carbon atoms. We produce few layer graphene. So we have a few layers that is turbo-stratic is the actual name. And really what that means is there's some space between those layers. So it functions more effectively. Most companies produce graphene with graphite and they basically put in a lot of chemicals or energy to get down to that one atomic layer. And with your pencil, it slides because of all these carbon layers.

So other companies like us, we are a synthetic producer. Most companies that are synthetic producers, they start with methane as a feedstock and they use microwave plasma and that converts the gas into powder. We have patents on the explosion synthesis. We are the only explosion producer. So we pump in hydrocarbon gases into a steel chamber with oxygen. We ignite it with a spark from an electrode and in a few milliseconds, we get graphene powder. And really simply, this powder goes into basically any material you can think of, whether it's energy storage devices, carbon fiber, resins, you name it, we can improve strength, we can improve conductivity. We can kind of bring science fiction to life with this material. And we're only scratching the surface on what graphene is gonna be able to do. So it's a very exciting time in a brand new industry. There's a bit of education with customers on us teaching them what we can do with graphene. But the possibilities and the potential for growth in this company is truly unlimited.

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And so how has the company's focus on EPA compliance given you a competitive advantage?

Kjirstin Breure

Sure, so we're quite early here. We are well into that process. We expect it to be about six months longer. It is a little bit hard to predict just because it's more bureaucratic. I would say America is a little bit tougher than the rest of the world. Europe has kind of gone in as a consortium. So it's easier to move material through Europe. Asia is quite similar. The US does have more stringent laws, which are, you know, there's nothing wrong with that. But we do believe, and right now we can be shipping kilo amounts. We will have, because these sales cycles are longer, at the time that we are ready to start shipping tonnage amounts, we will have that full, or we expect to have that full EPA approval in hand.

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Yeah, in addition to that, what's next for you in 2024 and next year as well?

Kjirstin Breure

Sure, so 2024 has been a very critical year for the company. And the beginning of this year in January is when we located at the GEIC, and that is the Graphene Engineering Innovation Center that's affiliated with the University of Manchester. Graphene was discovered in Manchester in 2004, so there's erupted kind of a hotspot with lots of material scientists. They have all of the industrial prototyping machines, and really they have everything that we need as a company to integrate Graphene into different products. So at this center called the GEIC, there is the

GEIC staff, and then we have our own staff that's in our own private lab. But this is one of the major entry points for customers globally to come to when they want to integrate Graphene into their products. And the GEIC staff is under mandate to use the best performing material for the end application. So whether it's Rolls-Royce or NASA or whatever company coming with the material they want to improve, the GEIC needs to use the best performing product. And because of the purity of our feedstocks and the simplicity of our production method, we produce very, very high purity graphene exactly the same time, every single time, which is quite unique in the industry. Other companies have really struggled to produce high quality material and consistent material. So since we've entered this model, we have performed very well. We have a minimum of 12 different customer led projects with the GEIC that are integrating our graphene into their materials. So we expect to have actually multiple very large sales within 2024, revenue would still be low within this year because it's still ramping up and it's still within a part of the sales cycle that we're gearing up to full industrial scale. But within 2025, we should be seeing very significant revenue.

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Very exciting. How has trading on the OTCQB Venture Market helped you with accessing US investors?

Kjirstin Breure

I would say it's been huge. When I started, especially when we listed on the CSE, I was getting requests almost daily from US-based investors wanting to purchase our shares. And that was quite difficult. And I'm sure you've noticed even in the past couple of weeks, we've had quite an uptick in volume and a lot of momentum, especially from the OTC. So it's been a really nice thing for the company to access that network and to really see this growth.

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Well, Kjirstin, it's been a pleasure to talk to with you and thank you for your time today.

Kjirstin Breure

Thank you so much.

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HydroGraph Clean Power trades under the symbol HGCPF on our OTCQB Venture Market.



**This is an autogenerated transcript and may contain typos.*