# Dr Dube on the competitive advantage of ZEN Graphene's Guelph Facility for Graphene Materials Production and Development

written by InvestorNews | February 12, 2020

"We can get graphite to 99.8% purity. Now, we need to take that very high-end graphite and turn it into graphene. We are working with some of the best teams in Canada, a bunch of different universities to do those things. The first agreement that we signed was with a university in Canada. That agreement is to do graphene production. This process uses heat, pressure and grinding to break the graphite into smaller bits and pieces. Basically, bringing it down to five to ten layers graphene. We can do kilograms of this material already. The process is patented and developed. We are going to keep trying to improve on it but it is already a very well established patent. The next one is with Prof. Chen at the University of Guelph. They are working on two different processes. A chemical process and an electrochemical exfoliation process where we are trying to make graphene oxide. This product is high end. We are getting down to one to three layers product. It is functionalized with oxygen groups in there. This will have very high value in the marketplace. The third one is with UBC Okanagan. We are doing a lot of research with them. We are doing graphene oxide. We are also doing graphene quantum dots which is really the very high-end stuff. This sells for four thousand dollars a gram on the marketplace. They are also doing things with batteries, with aluminum, with coatings…" States Dr. Francis Dube, Chairman,

CEO, and Director of ZEN Graphene Solutions Ltd. (TSXV: ZEN), in an interview with InvestorIntel's Tracy Weslosky.

Dr. Dube went on to provide an update on the grand opening of the Guelph Facility for graphene materials production and development. He said that the company is currently sourcing and purchasing the necessary equipment to build a small-scale pilot plant to produce products like Graphene, Graphene Oxides and Graphene Quantum Dots. Dr. Dube also said that the Graphene Quantum Dots market is expected to be a $30 billion market by 2030. He said that ZEN Graphene is in a unique position to dominate the market because it has a high-grade source material and a great team of scientists.

To access the complete interview, click here

Disclaimer: ZEN Graphene Solutions Ltd. is an advertorial member of InvestorIntel Corp.