

DOTZ NANO AND ULTRACHARGE SIGN JOINT COLLABORATION AGREEMENT FOR USE OF GQDS IN LITHIUM ION BATTERIES ANODES

- **Dotz Nano and UltraCharge will perform a Pilot Project for use of GQDs in LIB Anodes.**
- **Dotz Nano will supply UltraCharge with GQDs for coating and embedding in anodes to be used in the Lithium ion battery market.**
- **After successful completion of the Pilot, UltraCharge will place an initial order of a minimum US\$150,000 of GQDs for implantation of GQD enhanced LIB Anodes.**
- **Initial order subject to UltraCharge receiving purchase orders for GQD enriched LIB Anodes.**

Dotz Nano Limited (“Dotz Nano” or the “Company”), a nano-technology company focusing on the development, manufacture and commercialisation of graphene quantum dots (GQDs), is pleased to announce that it has signed a Joint Collaboration Agreement with UltraCharge Ltd. (ASX: UTR) for its use of GQDs in their anode technology for Lithium ion batteries.

UltraCharge develops a new anode for use in Lithium ion batteries, replacing graphite used for the anode (negative pole) with UltraCharge’s nanotube gel material made from titanium dioxide. Titanium dioxide, an abundant, cheap and safe material commonly used as a food additive and in sunscreen lotions to absorb harmful ultraviolet rays. Based on initial testing, Dotz Nano’s GQDs can increase UltraCharge’s anode benefits of rapid charging, long lifetime, enhanced safety, simplicity and cost efficiency.

The Joint Collaboration Agreement calls for a 3-month Pilot Cooperation Program (extendable for an additional 3 months by mutual agreement). In addition, upon successful completion of the pilot program, UltraCharge will place an initial order of a minimum US\$150,000 worth of GQDs for use in LIB anodes. The initial order will be subject to UltraCharge receiving purchase orders of at least \$1 million dollars for their GQD enriched anodes.

Dotz Nano recently announced that it was entering the Lithium Ion Battery market with the development of a GQD embedded cathode, in collaboration with Nanyang Technical University (see announcement August 30, 2017).

Commenting on the new development, Dotz Nano’s CEO Dr. Moti Gross, stated: *“We are extremely pleased to have finalised this JCA with UltraCharge as part of our expanding commercialisation of GQDs into various applications”.*

“Dotz Nano GQDs have added value for a variety of applications and with this Agreement we are continuing to expand our reach into the energy storage market. It’s good to work with another ASX listed company, with whom we have good cooperation and who are also innovators in their field. Not only do we have a collaboration agreement, but with the successful completion of the Pilot program, an initial order for US\$150,000 worth of GQDs for use in the manufacture of GQD enhanced anodes, subject to receiving purchase orders from UltraCharge’s customers”.

“The Lithium ion market is a large and lucrative market with a variety of applications such as consumer electronics, mobile, light EVs, heavy EVs, with analysts valuing the market at over \$32.5B annually, of which UltraCharge will avail itself. Dotz Nano will assist in that endeavor by supplying our optimised, functionalised GQDs that will target an increase in the benefits UltraCharge’s anodes will

bring to the market. If successful, there is potential for significant quantities of GQDs being used in the battery market”.

“Dotz Nano is not only involved in the LIB Cathode market, but with this JCA, Dotz Nano will also be involved in the LIB Anode market”.

“Dotz Nano continues to commercialise its GQDs by approaching several market applications, with the Energy Storage market being one of them. As we always state, Dotz Nano brings to the market the next generation of nanoparticles producing inexpensive, non-toxic graphene quantum dots and at ten times the production yield compared to conventional quantum dots. Graphene quantum dots allow superior benefits to products and applications, and we look forward to the continuing commercialisation of our technology”.

“This is a very exciting time with our commercialisation efforts yielding fruit on various levels. I am excited about the opportunities ahead of us and I look forward to informing the market on our progress and commercialization efforts”.

Note: Both Dotz Nano and UltraCharge wish to disclose that the CEO of Dotz Nano, Dr. Moti Gross holds a minority interest in shares in UltraCharge and that the CEO of UltraCharge Mr. Kobi Ben-Shabat holds a minority interest in shares in Dotz Nano. The Board of Directors of both companies were informed as such before entry into the JCA.

About UltraCharge

UltraCharge Ltd. (ASX: UTR) was founded in 2015 and is party to a license agreement with Nanyang Technological University in Singapore. In May 2016 UltraCharge was acquired by Lithex Resources Limited, an ASX listed company which then changed its name to UltraCharge Ltd. UltraCharge is a battery technology company that intends to replace graphite in anodes (negative pole) with a nanotube gel material made from titanium dioxide, in lithium batteries. This has the potential to revolutionize the market for lithium batteries by producing a battery that is safe, has a longer lifetime and is fast charging. UltraCharge has established a laboratory facility in Israel to conduct nanotube synthesis and fabrication of the nanotube anode, and is discussion supply options with tend users in the global battery market.

About Dotz Nano

Dotz Nano Limited (ASX: DTZ) is a technology company focusing on the development, manufacture and GQDs. Its vision is to be the premier producer of GQDs by producing and supplying high quality GQDs for use in various applications including medical imaging, sensing, consumer electronics, energy storage, solar cells and computer storage.

To learn more about Dotz Nano please view the website and our corporate video via the following link: www.dotznano.com

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