

## **DOTZ NANO EXTENDS GQD TAGGING TECHNOLOGY TO PETROLEUM AND FUEL PRODUCTS**

- **Dotz Nano successfully developed a process for using GQDs to tag petroleum and fuel products.**
- **GQDs will be used as a taggant in fuel and petroleum anti-counterfeiting activities.**
- **Developed technology allows for a multitude of additional applications.**

**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 successfully developed a process to tag fuel derivatives with GQDs.

Culminating several months of development, the technology allows GQDs to be optimally added to fuel derivatives via a patent pending method so that the GQDs cannot be easily "laundered" or "washed out" from the fuel.

Working closely with two international major anti-counterfeiting/brand protection companies, Dotz Nano devised the technology according to protocols received and has successfully withstood various testing procedures used in international bids for fuel taggants.

Dotz Nano has also submitted a patent application on the specific tagging of fuels with GQDs.

**Commenting on the announcement, Dotz Nano's CEO Dr. Moti Gross, stated:** *"After several months of development, I am pleased to announce that we have successfully achieved an important milestone in our anti-counterfeiting/brand protection application focus, with the tagging of petroleum and fuel derivatives, such as gasoline, diesel and kerosene. This is in addition to our technology of tagging crude oil with our GQDs, as we recently showcased in an online video on our social media channels".*

*"Fuel theft has become a global issue. The high price and high rate of taxation on fuel makes it an attractive target for theft, particularly within a company that has private fuel storage. Companies and governments globally are looking for the right solution to decrease the high level of fuel theft. Most fuel markers are dye based and can be laundered out of the fuel. Our technology makes it much harder to launder the taggant and as such GQDs can be the solution for this application."*

*"Our latest development allows Dotz Nano to implement our tagging technology to the fuel additive market that is a major focus for several anti-counterfeiting/brand protection companies that Dotz Nano is collaborating with".*

*"The petroleum and fuel marker market is a multi-billion, very lucrative and growing market with first tier players such as BASF, SICPA and Authentix participating in the sector. Dotz Nano is collaborating with several of them for the implementation of our GQD technology into the fuel authentication market".*

*"I look forward to notifying our shareholders on the progression of our commercialisation efforts in the future".*

**About Dotz Nano**

Dotz Nano Limited (ASX: DTZ) is a technology company focusing on the development, manufacture and commercialisation of 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](http://www.dotznano.com)

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