

Dotz receives purchase order to start expanded field trials with leading NASDAQ-listed Oil & Gas services provider

Highlights

- Dotz has received its first purchase order from a leading NASDAQ-listed Oil & Gas company with a market capitalisation of more than US\$5 billion to run trials at its production sites
- In-field trials of on-site monitoring of corrosion inhibitors in the Oil & Gas sector
 - Enables dosage management and significant savings on operational costs, corrosion inhibitors overdosing costs, and corrosion damages due to underdosing
 - Provides companies in the sector with significantly reduced time to obtain reliable, valuable data in industrial settings
- Follows the successful small-scale isolated pilots conducted at both Dotz and the Oil & Gas service provider's customer well settings and patent that was granted in July 2022
- While the amount and financial detail for this stage of field trial is immaterial and remains commercial in confidence, successful trials in such complex environments may expand Dotz' addressable market within the oil & gas industry

Dotz Nano Limited (ASX:DTZ) ("**Dotz**" or the "**Company**"), an advanced technology company developing, manufacturing and commercialising marking, tracing and verification solutions, has received its first purchase order from a leading NASDAQ-listed oilfield technology and services provider with a market capitalisation of more than US\$5 billion to expand in-field trials of a new technology to monitor corrosion inhibitors in-field.

While the amount and financial detail for this stage of field trial is immaterial and remains commercial in confidence, Dotz expects the arrangement between the parties to become material for Dotz at the successful completion of these additional trials during 2023. The NASDAQ-listed company is scheduled to perform at least three field trials in various locations across north America within the next six months. Further purchase orders and a ramp-up of Dotz technology will depend on results of these trials and end-user acceptance of the technology.

Dotz's technology provides a solution to detect and quantify corrosion inhibitors (CIs) within oilfield premises, providing on-site dosage management and significant savings on maintenance and corrosion inhibitor overdosing and underdosing costs. It also significantly reduces the time needed to obtain reliable, valuable data in industrial settings.

The Dotz solution was successfully tested at Dotz and the Oil & Gas service provider's labs over the past 3.5 years (see announcement 30 January 2019). Demonstrating extreme reliability in a wide range of operating conditions, the recently patented solution (see ASX



Announcement 26 July 2022) will now be trialed at production sites, allowing the solution to be tested within complex and challenging operational settings.

Previously, detection and quantification of corrosion inhibitor in drilling fluids required samples to be shipped to centralised laboratories for analysis that can take weeks, or even months, in a time-consuming, expensive, and highly inefficient manner. Detecting and monitoring CI on-site enables significant savings on shipment and overdosing of CI while reducing the risk and possibly severe consequences of CI underdosing.

Dotz Chairman Bernie Brookes AM said: "We are extremely proud to have developed a cutting-edge, more effective solution for corrosion inhibitor management – a very challenging and technical issue in the Oil & Gas industry.

"These trials provide on-site monitoring of corrosion inhibitors within the Oil & Gas sector. Expanding the trials in such a complex operational environment gives us greater insights into how our technology can be applied within the industry.

"We believe this unique innovation opens a window of opportunity to adapt this new technology to additional crucial and expensive industry materials which are currently monitored off-site using less-efficient means."

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This announcement has been authorised for release by the Board of Dotz Nano Limited.

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About Dotz Nano Limited

Dotz Nano Limited (ASX: DTZ) is a technology leader in research, production and marketing of anti-counterfeiting, authentication and tracing solutions. Its unique products ValiDotz, BioDotz, Fluorensic and InSpec are exceptional solutions for numerous applications, such as: bio-imaging, liquids tagging, lubricants and DEF authentication, polymers tagging, anti-counterfeiting, brand & reputation protection and oil & gas industry.

To learn more about Dotz, please visit the website and corporate video via the following link www.dotz.tech