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Press Release

## **Techenomics to provide real time data**

Techenomics is ensuring it remains a leading provider of oil analysis and fluid management services by adapting to the digital age, which will include the provision of real time data.

The company is working closely with expert consultants to ensure that real time data adds value to its services and provides more predictive maintenance benefits to clients.

Techenomics CEO Chris Adsett says the digital era has dawned for the mining industry and the future success of companies involved in all parts of the mining process will be determined by how well they embrace the technology made possible by this step-change.



Chris Adsett, CEO of  
Techenomics International

“It is no good just saying that the industry will recover and grow by doing the same things it has done successfully in the past.”

Chris Adsett says, “The gathering of data by using an Industrial Internet of Things (IIoT) network, and the interpretation of the data by Intelligent Algorithms are playing increasingly important roles in optimised mining operations and as such, Techenomics is on a quest to help customers gain more from oil and lubricants.

“To enhance our oil analysis services, we intend to integrate real time data to create better predictive models and thereby gain greater understanding of the operating characteristics of engines and equipment, including all internal components.



Brice Gower

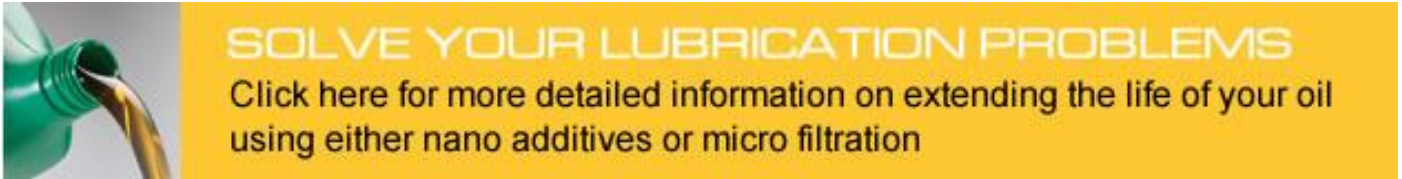
“Making this possible means obtaining data from all relevant components of engines and equipment, measuring clean relevant data, communicating the data into our servers, and using our algorithms to deliver real time analytics to clients.”

To help Techenomics in this regard, the company is working with Perth-based Murdoch University Engineering student Brice Gower who is developing remote sensors to capture the data.

“Brice majored in Industrial Computer Systems and we believe his skills, determination and enthusiasm will enable us to provide clients with more important and relevant data than has been possible previously,” Chris Adsett says.

“We were impressed with Brice’s efforts in outlining the work undertaken as part of a winning team in an Unearthed Hackathon earlier this year in Perth. The Murdoch University team led by Brice developed a smart lock embedded system for live feedback and control as a solution to an issue posed by South32.

“We identified that his talents could help us undergo a digital transformation by implementing real time data,” he says.

An advertisement banner with a yellow background. On the left, there is a small image of a green oil bottle being poured. The text on the right reads: "SOLVE YOUR LUBRICATION PROBLEMS" in large, bold, white letters. Below that, in smaller black text, it says "Click here for more detailed information on extending the life of your oil using either nano additives or micro filtration".

**SOLVE YOUR LUBRICATION PROBLEMS**  
Click here for more detailed information on extending the life of your oil using either nano additives or micro filtration

This work will generate a massive amount of data and to cater for this, Techenomics is also utilising the services of IT expert Peter Byrne to identify how its current online systems can be modified to handle and interpret the data.

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