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Press Release

Techenomics is upgrading data capabilities

As part of an ambitious program to upgrade data capture capabilities in support of its predictive maintenance services, Techenomics is boosting its online systems to give customers even greater value from oil and lubricants.

The independent fluid management provider is utilising an Industrial Internet of Things (IIoT) network to improve delivery of services, which will include provision of real time data and interpretation of that data by Intelligent Algorithms.

Techenomics CEO Chris Adsett says, "I see this ambitious digital data project as a significant turning point in our company's preparation for the future challenges of the digital world and capable of projecting us into a very exciting, challenging and rewarding future.

Chris Adsett, CEO of
Techenomics International

"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."

Steven Adamthwaite

To meet its ambitions and deliver better services, Chris Adsett says the company is working with IT experts.

"We have appointed Steven Adamthwaite as Project Engineer for the development and implementation of our upgraded Blue Oceans software platform.

"Steven, who is a graduate chemical engineer from Newcastle University, has been working at our Newcastle facility as laboratory supervisor and we believe he has the skills and determination to drive this part of the project.

"We intend to upgrade data capture using QR barcodes to capture a wider range of data from every sample, provide improved analysis and machine learning for our current 'static' fluid data and incorporate capture of digital data for greater predictability."

He says Steven is currently in the Balikpapan laboratory in Indonesia. "He is working in this high-volume location with our staff, meeting our bigger customers and communicating with BWS, which is rewriting the input side of Blue Oceans."

In order to empower Techenomics' online systems to handle and interpret the large amounts of data that will be generated, the company is also working with Melbourne-based IT expert Peter Byrne while Perth-based Murdoch University Engineering student Brice Gower is developing remote sensors to capture the data.

These sensors will be able to be retrofitted to existing fleets, providing a consistent and connected interface across the different OEM vehicles on site, Chris Adsett says, allowing for easier monitoring, analysis and trending.

"Obtaining data from all relevant components, measuring clean relevant data, communicating the data into our servers, and using our algorithms to deliver real time analytics will empower our clients to get more value from their oils and lubricants," he says.

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