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news



Contents

[SPM Seminar Roadshow 2016](#)

[Exhibitions Recap](#)

[HD Enveloping](#)

[ATP News](#)

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Welcome to the **apt Group's** Second Quarter Newsletter for 2016.

In closing off the first half of the year, we can say it's been extremely eventful. I congratulate our team for their efforts in organising and scheduling this year's premier event, the [SPM Seminar Roadshow](#).

Together with industry leaders **Stefan Lindberg and Tim Sundström from SPM Instruments, the apt Group** travelled around Australia to share the Company's vision and expertise in developing the High Definition (HD) Technology as applied to early stage gear and bearing fault detection. [Read more here](#)

Further in this newsletter:

- Recap of **SIRF and VANZ**. Both exhibitions recently have taken place and we'd like to share the [success of each event here](#)

- **HD Enveloping**, SPM Instrument's latest technology, explained to the very last detail [in this article](#)

- The **All-Test Pro** case study on how a company expanded its testing capabilities and impressively increased revenue... [Read further](#)

Lastly, look out for information on our forthcoming **Motor diagnostic workshop 2016** and with the **EOFY** around the corner we offer you a [Huge special pricing on SPM's Bearing Checker and Vibration Checker!](#)

We hope you enjoy this newsletter.

Kind regards,

Geoff Saper

apt Group Team

Feel free to send us your [feedback](#)

SPM Seminar Roadshow 2016 - Recap **HD Technology - "Next Generation Vibration Monitoring"**



*We had a great start to the second quarter, with the SPM Seminar Roadshow. Together with industry leaders **Stefan Lindberg** and **Tim Sundström** from **SPM Instruments**, the **apt Group** travelled around Australia to share the Company's vision and expertise in developing the High Definition (HD) Technologies as applied to early stage gear and bearing fault detection.*

The SPM Roadshow held in April, consisted a vibrant 10 days of visiting many different cities, holding Seminars, attending meetings and presenting at industry forums.

Time was fully devoted to the launch of the "**Next Generation Vibration Monitoring**", the most exciting NEW development in the condition monitoring field for 20 plus years.



Tim Sundström (Head of Technical Dept.) and Stefan Lindberg (CEO of SPM International) - here in the middle - did an outstanding job of presenting not only the vision and dedication behind HD Technology, but they also covered how it overcomes the challenges associated with disturbances and changes in background processes within industries. This was supported by practical real life case studies.

The interest and interaction during each session, held in Perth, Karratha, Port Hedland, Sydney, Surfers Paradise and Brisbane, was impressive. Many industries were represented, including: Mining, Defence, Water Processing, Pulp & Paper, Steel, Education, Engineering Consultants, OEMs and suppliers.

From subsequent feedback, we received comments like: "We've never before seen such signal clarity from bearing damage"; "The techniques used to accurately monitor early gear damage will greatly improve the ability to manage our assets"; "The software's Colour Spectrum Overview, provides a method to evaluate thousands of spectra, even for those without formal vibration training".

Did you miss out and/or wish to find out more on HD Technology, [please contact us](#)



Exhibitions Recap SIRF 2016 & VANZ 2016

"Attending leading condition monitoring events, provide the opportunity to gain awareness and interact with those from a vast array of diverse and complex industries. This ensures we maintain knowledge of industry trends and specific company needs. In return, we provide information on the most innovative Condition Monitoring solutions available. This second quarter, we took part in two exhibitions and can look back on both expos as very successful editions", Geoff Soper.



SIRF's 10th annual Condition monitoring, Lubrication & Reliability National Forum took place April 19 & 20 in Surfers Paradise (QLD). It is the premier national conference in the field of reliability improvement, condition monitoring and lubrication. As usual, this year included a great range of speakers, relevant practical case studies, workshops and many exhibitors.

The apt Group's booth was well visited. SPM's portable data collectors / analysers and permanent monitoring systems were on display, and Stefan & Tim together presented: HD Technology - "Next Generation Vibration Monitoring" on the stage.

The VANZ Conference was held May 10-12 in Queenstown (New Zealand), home of the World's 8th Natural Wonder "Milford Sound" and a must for anyone to visit. The conference turned out to be bigger than any other year, from exciting international presenters to round-table discussions and the new 'awareness day'; VANZ 2016 was a great success.

The apt Group was strongly represented with a booth on the exhibition floor and Geoff was one of the invited speakers. Various people visited the booth

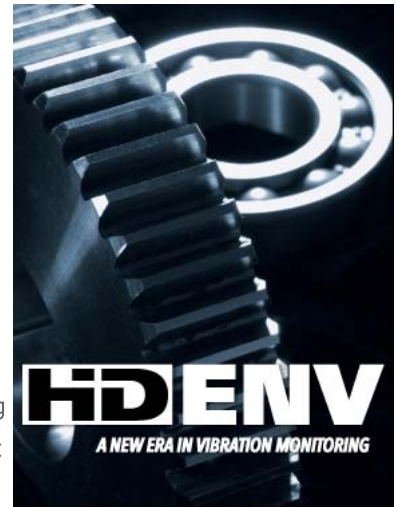
from New Zealand's biggest industries. Overall, it turned out to be a prosperous event with promising leads, allowing us to expand our market reach and client base in New Zealand.



HD Enveloping New vibration technology boosts maintenance profitability

The introduction of vibration enveloping enabled somewhat earlier detection of mechanical problems, however it was still hard to identify them in the incipient stages. This is now in the past with HD ENV®...

HD ENV® is a brilliant new vibration enveloping technology taking advantage of today's digital component technology advancement. Using highly advanced and patented digital algorithms it is extremely sensitive to changes in vibration levels, making it possible to identify gear and bearing faults at a very early stage and closely monitor their continued development.



The earlier warning of machine faults compared to conventional vibration monitoring technologies provides the opportunity to optimize corrective and predictive maintenance scheduling, thus having the potential to drive maintenance profitability to new levels.

The ability to 'see' gear and bearing-related signals in complex machines with accurate measurements is achieved by using predefined filters, HD Order Tracking, Symptom Enhancement functions, Time Signal HD, Spectrum HD and HD Real Peak.

The accuracy of the methods makes it possible to identify the signals of interest in an otherwise noisy environment with many signal sources. In these situations standard vibration enveloping may fail while **HD ENV®** provides meaningful results at the earliest possible stage.

[Click here](#) to read the full this article which is a summary of SPM Tim Sundström white paper.

The complete White Paper, describing all the advantages of using HD technologies in most challenging environments, whilst achieving extremely long term pre-warning times, maximizing the planning horizon for maintenance and repair, can only be obtained upon request.

Please [contact us here](#) if you wish to receive this.



All-Test Pro News

Case Study: Increased Revenue Results from Expanded Testing Capabilities

Like every successful business, companies work to increase revenue, so they can grow and continue to provide better products and/or services to its customers. So does Koontz-Wagner Services. And since they acquired the All-Test Pro energized and de-energized motor testing equipment last year, they've been able to capitalize upon opportunities to expand their capability to serve customers.

Koontz-Wagner's manager leading this project decided to purchase the hand-held de-energized motor testers **All-Test Pro5®** and **All-Test Pro31®**. Using these helped them reduce the time it takes to understand the general condition of a motor; within just a few minutes the **AT5®** motor circuit analyser can show if there are bad connections, failing windings, broken bars, ground faults and more. This is important because reducing the time it takes to inspect a motor will enable the company to lower their cost of the initial inspections.



In addition, the energized motor tester **All-Test Pro On-line II®** was purchased to obtain data on operating motors and further support their customers' Condition Based Monitoring and Predictive Maintenance programs.

Koontz-Wagner has seen their profits increase by 10% as a result of employing All-Test Pro motor testing equipment, proving there are real benefits to investing in modern tools and technology.

**To read the full case study please [click here](#)*



EOFY SALES

A HUGE 20% OFF SPM VIB- & BEARING-CHECKERS!

EOFY

ORDER NOW


20% OFF

VibChecker
BEFORE AU\$1854
NOW
AU\$1484
+GST



BearingChecker
BEFORE AU\$2506
NOW
AU\$2005
+GST



*EOFY sales also applies to . Contact for details.

SALES ENDS 30 JUNE 2016

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