Partners: Don't forget to register for our OMDEC Partner's Conference 28 to 30 October 2007!

Our work over the past 3 months has been extremely exciting and rewarding.

We are now in the process of getting the attention of basically all industries world wide, from aerospace, transportation, power generation and distribution to mining, pharmaceutical, oil & gas to automotive and pulp & paper. There is obviously a change in the way of thinking taking place right now when we talk about "maintenance and full service".

Omdec's approach to show companies how to turn their maintenance department from a *cost center* into a *profit center* seems to make sense for many companies.

We were able to spread our news to nearly every continent of the world thanks to our growing partner network.

Product News:

What's new in REWOP:

REWOP now claims the most advanced maintenance data warehouse design in the industry!

This new capability endows EXAKT (and other reliability analysis software) with direct interfaces to the most popular maintenance management systems (including SAP PM, Maximo, Avantis, Ellipse, Datastream, and others) and SAP BW.

New ease in data cleaning and preliminary analysis extend EXAKT's native functions.

REWOP's inherent living RCM capability leaps over conventional maintenance information and knowledge management software. REWOP flawlessly generates the Events table thereby delivering the right data in the right form for analysis.

It can today fuse the data of all forms of RA software (Age/con, OREST, and many others) providing a common, clean, and seamless input and output stream.

In more detail that means:

The OMDEC REWOP "living RCM" solution, now operates on the BI-Cycle business intelligence platform. The REWOP system integrates fully with all major CMMSs and EAMs, SAP PM, Business Warehouse, Netweaver, and OSISoft PI Data Access Pak.

REWOP's living RCM embeds directly in the day-to-day work order process. It addresses, via its "Events" table, the vital requirement for a linkage between the reliability knowledge base, the historical work order records, and CBM / real time databases. Without the RCM-to-CMMS linkage, reliability analysis, must rely on outmoded, inconsistent, and imprecise failure codes. Little useful reliability analysis or improvement has resulted from the compilation of instances of conventional failure codes. Rather, REWOP unifies work orders with appropriate RCM knowledge records.

Furthermore, the methodology identifies the Event Type. This makes the necessary distinction among potential failures, functional failures, and suspensions. Event type and RCM reference enable users to verify the effectiveness of current decisions and thereby implement optimal decision policies.

REWOP is a knowledge-oriented system, wherein experience increments the growing reliability knowledge base, which, in turn, promotes improved day-to-day decision making. The new platform integrates the OMDEC EXAKT CBM optimization tool for practical predictive maintenance decision making. Users can now apply RCM practices that will safely lower the cost of asset operation - a key focus in maintenance today.

REWOP includes an advanced KPI management tool that drills through to the work order and failure mode level. Hence, managers may dissect each KPI to reveal the actual policies, equipment and failure modes that impact performance. REWOP, the ultimate maintenance intelligence tool, will ensure your organization's continuous improvement cycle.

What's new in EXAKT version 4.2:

EXAKT's latest version (4.2) introduces more flexibility and refines equipment operation.

Prompted by inputs from the CBM Consortium's industrial members, the new version of EXAKT now provides the user with new ways of optimizing the balance between replacement and failure. Currently in EXAKT, the focus is on cost optimization - that is finding the most cost-effective balance between preventive replacement and failure repair. With the new version, users can now add two more optimizing alternatives.

First, for the customer who wants to optimize availability, a menu option is included which focuses exclusively on downtime predictions. This is important in those operating situations where firm delivery commitments have been made - where the decision is to "run at all costs".

Second, where the customer wants to be able to balance both availability and cost, another menu option does just that. The output report shows both the availability of the equipment in percentage terms plus the cost per hour of the preventive : failure mix that is proposed. The user can thus factor in (for example) any penalty payments that may be incurred as a result of non-delivery, see the impact on the overall costs and balance that against the predicted equipment availability.

Beyond these two new benefits, EXAKT 4.2 can now actively graph the sensitivity of the hazard or failure curve and the cost curve. These graphs will show how the balance of preventive versus failure varies as the probability of failure and the costs change - an important piece of the puzzle as EXAKT refines the maintenance decision.

These added capabilities emphasize the added value of REWOP and EXAKT in promoting guaranteed equipment operation and enhancing the user's delivery commitments.
Please let us know when you would like a demo or more details.

Partner News:

We are happy to welcome 6 new partners that are selling and supporting OMDEC solutions:

Bi-Cycle, Sweden; Sikurny, Germany; Denkbar/cc, Germany; Applitec, Spain; Proyectos, Uruguay and IMTech, Japan. For a brief review of each of them, please see our website!

And to all our partners, please check your own details to make sure you are properly represented. With the help of these great companies we can support more and more languages and can offer on site sales and support in many countries world wide.

Other News:

There are lots of other very interesting news:

The SAP Netweaver Certification is in process!

We are actively working now with:

DPHM, we presented at the DPHM, Diagnostics, Prognostics and Health Management (DPHM) for aircraft and aircraft systems in Canada. The objective is to enhance Canadian Aerospace and Defence sector competitiveness through coordinated and focused government/industry strategic interaction

TATEM, "Technologies And Techniques for nEw Maintenance concepts" is a European Union (EU) part-funded Framework-6 Integrated Project. TATEM addresses the following objectives of the

- Aeronautics and Space Priority Plan:
- Strengthening Competitiveness
- Improving aircraft safety and security
- Increasing the operational capacity and safety of the air transport system

OSIsoft, the largest provider of data historian software on the market; Klaus and Murray will be visiting the upcoming OSIsoft User Conference beginning of August in Monterey, California. Please feel free to arrange a meeting with them.

The German Brochure is now available on our web site under: about Omdec/case studies
All new Brochures and Case Studies are available on our web site (which is constantly growing). See especially the new Automotive and Utilities Case Studies.

Training announcement for Partners:

We are staging a five day OMDEC Asset Management "Train the Trainer" program for OMDEC Partners 22 – 26 October. We are planning this as a certification event

1 - Graduates from the program will receive the designation of "OMDEC Certified Trainer"; this will qualify them to deliver the OMDEC Asset Management Training Program to their customers

2 – We will award the Graduates a University of Toronto Certificate of Accomplishment

Ben Stevens will be the trainer, and the program is based on a very successful curriculum developed and delivered over the past 10 years.

Training announcement for everybody interested:
Managing Maintenance

A Five Day Training and Workshop program for Managers, 17 – 21 September in Toronto.

This practical 5-day workshop takes a management view of the various elements of Maintenance. Starting with an overview of Reliability, delegates will progress through Best Practices and Strategy to Performance Improvements and the KPI's that measure improvements in their management of physical assets. CMMS's and EAM's have become a basic way of managing assets, work and inventory – their role and benefits will be explored as well as the pitfalls and how to remedy them. Alongside CMMS's, RCM has become a standard practice in many industries; this course will provide a managerial overview of RCM, and also look at the issues of Failure Management – diagnosis, reporting and analysis. Finally, the Cost and Financial Management implications of physical assets will be examined, and the week-long session will conclude with an overview of the future – looking at Expert Systems and the increasing role that they will play in Asset Management. Workshops and interactive discussion sessions will be a feature throughout this program, with a continuing focus on practical examples that can be taken back with the attendees and applied in their own workplaces.

Ben Stevens will be the trainer as well.

Prof. Andrew Jardine: will be giving an open presentation on Tuesday, November 27 at Lulea University in Sweden!
Prof. Andrew Jardine has been appointed an Honorary Visiting Professor at Lulea University in Sweden for a period of 3 years.
As part of that position he will be giving an open presentation on Tuesday, November 27.
We have the privilege to invite you as a valued Omdec contact! If you would like to take this great opportunity and attend the 2 hours presentation please contact Claudia for registration.

<u>This is the answer to one of the most asked questions:</u>
Which data do we need and where is it coming from?????

We need three key sources of data:

- **CBM data** – oil sample analysis (what particles are in the oil and how much), vibration data, temperature data – whatever data can be used to help predict failure
- **Operating data** – operating hours, load, power cycles
- **Event data** – what has been done to the equipment which might affect the reliability of the data – parts swap-outs, suspensions from service, service jobs, oil changes

+ If available, RCM analysis (this will help to define the failure modes)

Ben Stevens wrote a great new "solution overview" where these issues are answered in detail. Please check it out on our web site under "about us".

If you have any question, like to register for the events or trainings or like to have more detailed information please send Claudia an email to Claudia@omdec.com .

To provide feedback on this newsletter, including ideas for future articles, or to remove your name from distribution of this newsletter, please e-mail me at Claudia@omdec.com .
Please feel free to contact us to discuss any of your requirements.
See our web site at: www.omdec.com for other information

If there is someone you know who would be interested in receiving this newsletter, please feel free to forward the newsletter to them, or forward their e-mail address to me and I will include them in the distribution of future newsletters.