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OMDEC Experience

Improving Power Generation Maintenance and Reliability in South East Asia – a key challenge for OMDEC - August 2010

OMDEC has been selected to provide the international expertise for a major CMMS/EAM project to improve maintenance practices, reliability and uptime in the electricity sector in South East Asia. Working in partnership with a major Japanese engineering company under the auspices of a Japanese foreign aid program, OMDEC staff will be on site for more than 12 months out of the coming 36. Building on work performed for the same client three years ago, this latest stage in the project is the selection and implementation of a CMMS/EAM system for a large power generation company. OMDEC's role is to provide the IVV role (Independent Validation and Verification) to ensure that the selection and implementation matches accepted International standards.

In this project, a mix of more than 20 coal, gas, oil and hydro power generation sites have been selected as the implementation roll-out partners. The challenge is to understand the current business practices, map the evolution to international practice and integrate the requirements into a specification for the solution vendors. Underlying this process is the imperative of higher uptime and more effective operating reliability, driven by rapidly escalating demand and aging equipment. Following the selection, the OMDEC role transitions to one of supervising the planning and implementation of the solution across the fleet.

At the core of the delivery team is a prominent local technology consulting firm; also the client itself has formally identified a counterpart group to be an integral part of the team. In leading this team, OMDEC's mandate clearly acknowledges the responsibility for knowledge transfer in this emerging and rapidly growing region. With deliveries in ten different countries in the past twelve months, this is further recognition of OMDEC's truly international reputation for excellence in Maintenance Management and Equipment Reliability.

OMDEC at the Coalface - Colombian Coal Mine expands its EXAKT footprint into Living Reliability - July 2010

OMDEC's long term Colombian customer – one of the largest coal mines in the world – has recently signed a contract to introduce OMDEC's ground-breaking maintenance process – Living Reliability. Following an extensive series of training programs for the full maintenance management team, the customer is now expanding its current use of EXAKT to embrace these new technologies and processes. EXAKT – OMDEC's equipment failure prediction software - has been successfully in operation at this customer site for several years. This next step in the journey towards continuous reliability improvement is to simplify and automate the data collection, data analysis and data input process to EXAKT. The OMDEC Living Reliability solution will integrate the EAM and RCM data to ensure the acquisition of new knowledge is consistently

accessible and shared among the maintenance technicians and reliability experts in all parts of the business.

As part of OMDEC's on-going commitment to its customers, OMDEC staff will be on-site in Colombia throughout the implementation and transition stages. OMDEC's recognized track record of expertise in complex international reliability improvement initiatives was a key contributor to the customer's decision to award this contract.

OMDEC Awarded Living RCM implementation consulting contract by major Canadian Power Utility company. June 2010

Projects Summary

Canadian Municipalities: (multiple)

- preparation of scope for RFP
- data integrity consulting
- physical asset management consulting
- maintenance strategy consulting

Canadian Power Utilities: (multiple)

- implementation of pilot projects for continuous reliability improvement
- RCM analysis and recommendations for improvement
- Maintenance long range plan priority setting

Bahrain Property Development Company:

- development of needs analysis for ERP for major city development
- selection process for ERP and recommendations
- definition of maintenance business processes
- implementation planning for transition from strategy to tactics

Canadian Electrical Utility

- Development of software integration for continuous maintenance improvement
- Building of failure prediction models

Canadian Military (multiple):

- data collection analysis
- recommendation for changes to data collection procedure needed to introduce continuous maintenance improvement
- work request and work order planning and development
- maintenance and reliability improvement consulting
- failure analysis for critical equipment

Japanese Integrated Steel Manufacturer:

- requirements definition for CMMS Selection
- development of maintenance strategy
- documentation of maintenance and materials business processes
- preparation of RFP
- selection of vendors
- planning of implementation for business processes, work order preparation
- implementation project management

UK Mail Utility:

- development and execution of knowledge elicitation process for equipment maintenance

Indonesian Mining Company, Argentinean Chemical Company and Colombian Mining Company, Australian Naval Research Division:

- Implementation of failure prediction software
- Development of supportive processes for data collection and analysis
- Development of failure models
- Training in Equipment Reliability and Failure Prediction

Japanese Power Generation Company:

- development of maintenance and reliability strategy
- Development of linkage between maintenance strategy and tactics

Australian Trucking Company:

- Development, implementation and training for failure prediction and data integration software

Kuwaiti Construction Company, US Power Generation Company, Canadian Cement Company:

- Analysis of current maintenance operations
- Development of maintenance strategy
- Conversion of maintenance strategy to maintenance tactics
- Recommendations for implementation of maintenance improvement plan

Wide variety of open training and customer-focused training programs for many industries (Electricity and Water, Petrochemical, Municipal W&WW etc), and for numerous industrial training companies, Universities and Colleges – all centred on Maintenance Management and Reliability – including:

- CMMS selection, planning and implementation
- Maintenance Strategy and Tactics
- RCM and Living RCM
- Work Requests and Work Orders
- Total Productive Maintenance (TPM)
- Maintenance Project Management
- Many more