

*1-day International Seminar*

# RISK BASED MANAGEMENT *OF* INDUSTRIAL PLANT

Venue: Institute of Materials (IOM3\*), London, UK

Dates: 28<sup>th</sup> November 2006

SEMINAR  
Programme +  
*Registration Form*

**Organiser:**



European Technology Development

## MANAGING RISKS IN INDUSTRIAL PLANT

In today's highly competitive industry key factors for success are consistently high levels of availability and reliability. At the same time industry managers are under pressure to maximise margins. It is perhaps no surprise that considerable interest within the industry is currently being centred on Risk-informed approaches to managing and maintaining industrial structures. The aim of such approaches is to cost-effectively focus maintenance and inspection resources to the critical (highest risk) areas of the plant. The management focus is on methodologies for identifying risks and for reliable and repeatable evaluation of the likelihood and impact of the risks in a quantitative manner. Almost all approaches try to evaluate the probability or likelihood of an event and the consequences that it will have in terms of safety, cost and environmental impacts.

A number of new initiatives have recently been undertaken in Europe, Japan and elsewhere to establish easy to apply, but at the same time robust, RBM methodologies and procedures for industrial sectors where such procedures do not exist at present. This seminar will highlight these initiatives and the practical, application of the existing methodologies to various industrial sectors. The overall **objective** of this Seminar is to provide a forum to exchange experience and prompt discussion in the areas of Risk Based Management and in the general process of identifying, prioritising and controlling risks.

## ABOUT THE ORGANISER

**European Technology Development Ltd.** (ETD) is a UK based engineering advisory, consulting and R&D company specialising in life assessment, life extension, maintenance, materials and engineering issues in all type of power generating and process plant. The company has a particular interest, and is actively working, in the growing area of risk based management and inspection and the application of RBI rules to power and petrochemical plant and other industrial systems. Thus ETD has developed its own guidelines and procedure for risk based management of power plant.

ETD has, in the recent past, organised various international conferences in the UK and a number of other countries of Europe (Germany, France, Portugal, Czech Republic etc.) mainly on the issues such as: high temperature plant materials, plant component safety and durability, performance of in-service welds, weld repairs and power plant cycling. At present the company is leading a number of large industry initiatives (some supported by the European Commission, others by international industry) on issues related to the assessment and improvement of high temperature plant (petrochemical, refining, power etc.) performance, materials, design, maintenance, monitoring and inspection strategies. Similar initiatives are also being led by ETD at the international level supported by industry from Europe, North America, Japan and elsewhere.

Further information about the company, its projects, life assessment courses offered and other activities can be seen at: [www.etc1.co.uk](http://www.etc1.co.uk) More recent information about company activities can also be obtained by writing to: [enquiries@etc1.co.uk](mailto:enquiries@etc1.co.uk)

## Seminar Proceedings

As the Seminar is aimed more at bringing together industrial audience and related research the speakers are not expected to provide formal papers. Instead, the intention is to provide *proceedings* on a CD consisting of presentations in the pdf format.

For the submission of *presentations the deadline is: 20<sup>th</sup> November 06.*

*Note: If the presenters wish to offer formal papers these can also be included in the CD and may also be published in a refereed journal.*

**PRESENTATIONS:** Oral presentations will be of **30 minute** duration including discussion. Keynote papers will be of **40 minute** duration including discussion.

### Technical Enquiries to:

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**REGISTRATION & WELCOME**

*(0845 – 0930 hours)*

**SESSION 1: NEW DEVELOPMENTS FOR RISK BASED APPROACHES**

*(0930 – 1230 hours)*

**1. *Keynote*: RBM Research Activities in Japan**

*S Kihara, Best Materia Co. Ltd., Japan*

**2. Risk Based Maintenance - The Way Forward for Power Generation**

*N Le Mat Hamata and I A Shibli, European Technology Development, UK*

**3. New Ways of Organizing the EU Stakeholders in the Area of Risk Management for Industrial Plants - Providing the EU-VRi Service for Industry**

*A Jovanovic, Steinbeis Advanced Risk Technologies-R-Tech, Stuttgart, Germany*

*O Salvi, INIRIS, France*

*P Stanojevic, Director of R&D, Oil Industry, Serbia*

**Coffee Break**

**1110 – 1130 hours**

**4. KHK's Databases for Maintenance Engineering for Oil Refinery and Petrochemical Plants and Case Examples of Gas Accidents**

*Koji Kato, Tatsumi Takehana, Hirotaka Akatsuka and Takeru Sano*

*The High Pressure Gas Safety Institute of Japan (KHK), Tokyo, Japan*

**5. Asset Management Decisions on a Financial Basis**

*Colin Labouchere, Managing Director - Asset Performance Tools Ltd., UK*

**6. Tube Inspection – How to Separate Materials and Operational Factors**

*J M Brear, SES (Europe), UK*

**Lunch Break**

**1230 - 1330 hours**

## **SESSION 2: PRACTICAL IMPLEMENTATION & MANAGEMENT OF RISKS**

*(1330 – 1630 hours)*

7. ***Keynote: Risk-Based Concepts of Plant Maintenance as a Part of Overall Corporate HSE Policy: Example of a Large Project for Petroleum Industry***  
*A Jovanovic, Steinbeis Advanced Risk Tech (R-Tech), Stuttgart, Germany*  
*P Stanojevic, Director, R&D, Oil Industry, Serbia*
  
8. **Development of Risk Based Safety System for Piping**  
*Hideo Kobayashi, Yokohama National University*  
*Shinsuke Sakai, University of Tokyo*  
*Shigemitsu Kihara, Best Materia Co., Ltd.*  
*Takeru Sano, High Pressure Gas Safety Institute of Japan, Japan*
  
9. **A Practical Implementation of RBI at a Malaysian Power Plant**  
*Chris Ablitt, TWI, UK*
  
10. **Some Practical Experiences in the Application of Risk Based Maintenance in Power Plant Boilers and other Industrial Sectors**  
*Akio Fuji, Masataka Yatomi, Katsuya Toda, Ishikawajima-Harima Heavy Industries (IHI); Shigemitsu Kihara, BM, Japan*
  
11. **Implementation of an Integrated Risk Based Inspection (RBI) System for an Onshore Installation**  
*Panos Topalis, Det Norske Veritas (DNV), UK*

**Panel Discussion**

*1610 – 1630 hrs.*

***The Way Forward***

# REGISTRATION FORM

*(Please copy and e-mail / fax / post)*

**RBM Seminar, 28 November 2006**

**REGISTRATION FEE:** Amount payable is that shown in the 'Fee + VAT' column.

\* Overseas delegates also pay VAT (Value Added Tax) for events held in the UK.

Please put 'x' in appropriate box below:

	Reduced Fee (until 6 <sup>th</sup> Nov. 06)		Full Fee (from 7 <sup>th</sup> Nov. 06)	
	Fee *	Fee +VAT @ 17.5% * <b>(To Pay) – Pounds</b>	Fee *	Fee +VAT @ 17.5% * <b>(To Pay) – Pounds</b>
<b>Seminar Delegates</b>	£200	<b>235</b>	250	<b>293.75</b>
<b>Seminar Presenters</b>	£150	<b>176.25</b>	200	<b>235</b>
<b>Workshop **</b>	300	<b>352.50</b>	350	<b>411.25</b>
<b>Seminar +Workshop **</b>	£450	<b>528.75</b>	£500	<b>587.50</b>

\*\* A1-day back-to-back '**Boiler Maintenance Workshop**' is being held on Monday 27<sup>th</sup> November 2006 at the same Venue. For details please visit [www.etc1.co.uk](http://www.etc1.co.uk) and look under 'Training Courses'.

## **PAYMENT**

**By UK bank cheque, bankers draft, or bank to bank transfer to:**  
 European Technology Development Ltd.  
 Nat West Bank, A/C No: 26096625, Sort Code: 60-12-36, UK  
 Please quote reference '**RBM Seminar, Nov. 06**' with the payment and state here how you paid / intend to pay. ....

**By Credit Card:** Major cards such as Visa/ Master Card/ JCB/ American Express/ Switch are accepted with the exception of Dinners Club. For security please *fax or post* this information.

Name of Account Holder			
Card Type and No.		Expiry date	
Authorisation signature			

**Venue:** Institute of Materials, Minerals and Mining (IOM3) [www.iom3.org](http://www.iom3.org)

**Accommodation:** Information on local hotels will be supplied by ETD on request.

### **Delegate Details:** (Required for your badge)

Your **title and name:**

Company:

Position:

Address:

Phone:

Fax:

E-mail:

**REGISTRATION ADDRESS:** Please copy and post/ fax/ e-mail to address below:

Registration Section, 'RBM Seminar', European Technology Development, 2 Warwick Gardens, Ashted, Surrey KT21 2HR, UK      Enquires: [registration@etc1.co.uk](mailto:registration@etc1.co.uk)  
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