

“ MEETINGS OF MINDS ”

Still just time
to register



ERTC Asset Maximisation Conference

12 – 14 May 2008
Corinthia Hotel, Lisbon

Key highlights

- Benchmarking and Best Practice
- Cost/Risk Optimisation
- Evaluation of Project Design and Performance
- Implementation of Production Management Information Systems
- Knowledge-based Information Systems
- Supply Chain Integration

Key topics – Reliability

- Asset Management Improvement Programmes
- Increasing Service Factors
- Plant Asset Management
- Plant Maintenance Optimisation
- Reliability and Asset Management in Process Design
- Risk Based Inspection
- Rotating Machinery
- Statistical Predictive Methods
- Shutdown Optimisation
- Root Cause Analysis

Key topics – Computing

- CAPE-Open Standards and Process Simulation
- Experiences with Advanced On-line Blending Applications
- Plant Design Software
- Real-time Process Optimisation
- Advanced Process Control
- Dynamic Simulation
- Innovative LP Techniques

Global Alliance Partner: **Hydrocarbon Processing**

A GTF Conference www.gtforum.com

Introduction Programme

Information technology, reliability management and the impact these issues have on effective asset maximisation are areas of dynamic growth and increasing convergence in the oil and petrochemical sector. For this reason GTF are organising for the industry **ERTC Asset Maximisation**.

From a plenary session which will explore the common-ground and technologies relevant to both **computing** and **reliability** disciplines, this event will move on to an in-depth examination of individual topics. These will extend from APC, Information Systems, Planning and Scheduling, SCM and Simulation to Asset Management, Maintenance, Turnaround Management and Inspection. **ERTC Asset Maximisation** will therefore enable you to assess the progress and significance of the latest products and services involved in the discrete and continuous monitoring and optimisation of key process variables in the business chain.

This conference is also the ideal environment for delegates to benefit from a true meeting of minds, allowing them to share ideas, personal experiences and different techniques in working with computing systems.

Who should attend?

- Asset Managers
- Industry Consultants and Analysts
- Information Systems Professionals
- Maintenance Managers/Staff
- Measurement, Systems and Process Control Specialists
- Operations Personnel
- Planning, Scheduling and Economics Personnel
- Process Licensors
- Process Simulation and Optimisation Staff
- Project Management
- Refining and Petrochemical Management
- Reliability Management Personnel
- Supply Chain Management Professionals
- Technical Management

Advisory Panel

2008 ERTC Asset Maximisation Advisors:

Nicholas Alsop, Preemraff
Petra Baier, MiRO
Mériam Chebre, Total
Giuseppe Deriu, Saras
Richard Grouwels, Nynas
Huw Morgan, Shell
Per Birger Møvik, Statoil
Tony Nation, ConocoPhillips
António Quintino, Galp Energia
Max Schoo, Kuwait Petroleum Europort
Stelios Triantafillou, Hellenic Petroleum

MONDAY 12 MAY 2008

14:00 onwards **Conference Registration**

14:00 – 17:00 **ERTC WORKSHOP:**

Integrated Essential Methods for Asset Integrity Management (AIM) (Half-day workshop – free of charge)

Jane Goodacre, Managing Director, Operational Reliability Consortium

Introduction:

The ERTC Workshop addresses the essential methods that should be used to achieve asset integrity/operational reliability management.

Topics:

- Maintenance and AIM – the evolution of maintenance
- The importance of management of change in the ever-changing AIM environment
- The structured tools now available and how to decide on the appropriate strategies/tactics
- Why root cause analysis is crucial
- Creating an improvement process for AIM

Why you should attend this workshop:

- Evaluation of where you are in the journey to improve AIM
- Understanding the necessity of comprehensive effective change management
- Critically discuss and apply the range of tools now available for management
- Analyse human, organisational and management system failures
- Understanding the importance of getting to root causes
- Optimising plans for improved reliability and asset integrity management

09:00 – 17:00 **Haverly Systems, Inc. Seminar:**

Speaking LP

(Full-day seminar – free of charge)

Prior to the start of the ERTC Asset Maximisation Conference, Haverly Systems will conduct a full-day seminar entitled '**Speaking LP**' at the Corinthia Hotel, Lisbon on Monday 12 May 2008. This seminar is free of charge and open to all who wish to learn about the basics of Linear Programming and its role in the petroleum refining industry.

As advances in refinery modelling tools and techniques continue, the technology behind Linear Programming itself is being pushed deeper and deeper into a Black Box and forgotten about, along with an understanding of how these models really work and what they are saying to us. In this seminar, we will delve into what an LP is, how they work and how they should be applied. Attendees will learn LP's peculiar language, how to interpret what they say and how to manipulate their actions.

Haverly Systems is a leading supplier of planning and scheduling technology to the refining industry. Its products include the GRTMPS and G4 Enterprise Planning Systems, H/Sched and H/Gal-XE Scheduling Applications, and the H/CAMS and H/COMET Crude Oil Assay Management System.

For more information and to register for this seminar please go to www.haverly.com

14:30 – 17:30 **SOTEICA SEMINAR:**

Production Accounting Technology

(Half-day seminar – free of charge)

Soteica will be giving a half-day seminar prior to the start of the ERTC Asset Maximisation Conference entitled '**Production Accounting Technology**' at the Corinthia Hotel, Lisbon on Monday 12 May 2008. This seminar is free of charge and open to all the refineries and petrochemical complexes' personnel who wish to learn the basics of this technology, as well as the exciting advances in recent years.

This technology provides a solution for yield accounting and oil loss detection in complex industrial environments. Production accounting technology has helped refineries and petrochemical facilities detect material losses by improving data quality and operating procedures, detecting measurement errors such as data entry errors, instrument failure, missing movements, inaccurate strapping tables, leaking valves, etc. Operation and planning decisions have also benefited from the revised data.

Soteica is a technology company that develops, implements and sustains applications for the process industry in the areas of production accounting and advanced planning and scheduling (S-TMS), energy management and optimisation (Visual MESA) and operator trainers (S-OTS). Soteica also provides service in the area of advanced control.

For more information and to register for this seminar please e-mail info@e@soteica.com

19:00 **Evening Reception**



Further details of these presentations are available at: www.gtforum.com

TUESDAY 13 MAY 2008

PLENARY SESSION

- 09:00 **Introduction and Welcome**
- 09:10 **Challenges, Operational Excellence and Refinery Optimisation**
Galp Energia
- 09:45 **How to Obtain Consistent and Accurate Information for Analysis to Improve Safety, Reliability and Maintainability of Physical Assets**
Petrobras
- 10:20 **Break** Sponsored by Prometheus
- 10:50 **Asset Management – Getting Organised to be Effective and Efficient**
SABIC
- 11:25 **How Benchmarking Contributes to Achieving World Class Reliability and Maintenance (RAM) Effectiveness**
Solomon Associates
- 12:00 **Keynote Presentation**
IPA
- 12:35 **Lunch**

PARALLEL SESSIONS

Session A – Reliability

- 14:00 **Improved Maintenance Planning and CAPEX Minimisation using RAM Analysis**
MW Kellogg
- 14:35 **Measuring Sustainable Change!**
Strategic Asset Management
- 15:10 **Break** Sponsored by DtEC Site Services
- 15:40 **Increased Operability / Readiness Implies Increasing Reliability Dynamically**
Meridium
- 16:15 **Recommendation Tracking System**
SGS
- 16:50 **Proven Wireless Technology in the Process Industries**
Honeywell
- 17:25 **Session closes** followed by **Evening Reception** Sponsored by ABB

Session B – Computing

- 14:00 **Experience of Optimising Performance of the Utility System at Total France Refinery in Normandy**
Total Enevia / Belsim
- 14:35 **CCR Reformer APC at Petronas Melaka Refinery**
Petronas / Conopt / Petrocontrol
- 15:10 **Break** Sponsored by DtEC Site Services
- 15:40 **Industrial Applications of an Adaptive MPC Controller**
Sinopec / Yangtze Petrochem Plant / Tai-Ji Control / Zhejiang Univ
- 16:15 **Tuning Interactive PID Loops**
Aptitude
- 16:50 **Feed Control for an Hydrodesulphurisation Unit using Anamel Blend Optimiser**
Total
- 17:25 **Session closes** followed by **Evening Reception** Sponsored by ABB

WEDNESDAY 14 MAY 2008

PARALLEL SESSIONS

Session A – Reliability

- 09:00 **Introduction**
- 09:10 **Effectively Implementing Management of Change for Improved Operational Reliability**
Operational Reliability Consortium
- 09:45 **Optimising Design and Maximising Performance of Complex Integrated Asset Systems using OPTAGON™**
Advantica
- 10:20 **Break** Sponsored by Spiral Software
- 10:50 **Implementing Maintenance Improvement Programmes Across Global Operations**
KBC
- 11:25 **Evaluate the Condition of Equipment at Process Chemical Plants**
ABB
- 12:00 **Lunch**
- 13:30 **The Implementation of Work Process Improvement Software in Support of Manufacturing Excellence**
Infineum / Rex

- 14:05 **New Frontiers in Optimising Turnaround and Operational Excellence**
ITW

14:40 Break

- 15:10 **Implementation of an Innovative System to Better Control the Variance of the Ordinary Maintenance Activity**
apiSoi Service
- 15:45 **Belsim's Technology as a Core Component in Saudi Aramco's Decision Support System**
Saudi Aramco / Belsim

16:20 Conference close

Session B – Computing

- 09:00 **Introduction**
- 09:10 **Controlling Gas Oil Production and Blending via MPC and Dynamic RTO**
StatoilHydro
- 09:45 **Refinery Production Accounting – Making all your Measurements Mass Balance**
ANCAP / Soteica
- 10:20 **Break** Sponsored by Spiral Software
- 10:50 **Rigorous Simulation of Refinery Hydroprocessing Units Generates Significant Benefits from Extended Catalyst Life**
Slovnaft / KBC
- 11:25 **FCC Heavy Feed Characterisation for Process Control through Topnir™ Analysis – A Unique Approach**
Shell Petit-Couronne / Topnir
- 12:00 **Lunch**
- 13:30 **Expanding Refineries' Crude Oil Diets**
Spiral Software
- 14:05 **Multi-period Blending Optimisation**
Prometheus
- 14:40 **Break**
- 15:10 **Advanced Process Control on Vacuum Lube Units**
Nynas / AspenTech
- 15:45 **Production Optimisation of the Isaac Sabbá Refinery**
Petrobras
- 16:20 **Conference close**

Sponsoring companies

