

Shutdowns, Turnarounds and Outages

*Saving Time and Money through efficient
and Effective Shutdowns*

24th-25th September 2009

Hilton Vienna Danube Hotel, Vienna, Austria



Confirmed Speakers:

Arjan Van der Stigchel, INTERGEN
Production Manager

Achyut Pandey, RELIANCE INDUSTRIES
Head of Maintenance

Guy Speck, SULZER CHEMTECH
TAS Manager

Ricky Doelman, SABIC Innovative Plastics
Outage Manager

Jac Weggen, ESSENT
Turnarounds Manager

Dr. Ulrike Weingerl, OMV
Process Safety Management

Alex Thomson, The Woodhouse Partnership Ltd.
Principal Consultant

Georges Madessis, INEOS OIGOMERS
Maintenance and HSE Manager

Attila Berghammer, ATEL-CESPEL
Engineering & Maintenance Controller

Senior Representative, SASOL
Maintenance Manager

Matty Zadnikar, Z-GROUP
CEO

Patrick Voogd, IPA
Independent Project Analyst

John M.G. Alkemade, ASSET PERFORMANCE NETWORKS
European Director

Meeting Focus

- Latest Shutdown Management Strategies
- Improvement of Your Planning and Scope Definition Process
- Keeping Cost and Down-time to a Minimum
- Finding and Retaining Contractors
- Effectively Dealing with a Shrinking Skills Base
- Health and Safety of the Shutdown Labour Force
- Risk Management
- The Latest tools and Inspection Techniques

Why you should attend this meeting ?

Planning and Executing Shutdowns is a complex and demanding task. If not planned with optimal efficiency companies run the risk of serious financial loss and costly delays. It is essential for plant personnel involved in planning outages to be up to date with all the new techniques, tools and strategies in the field. With the complex nature of shutdowns and the myriad of different aspects involved, efficiency in each area is essential.

This Conference will bring together leaders in the field of shutdowns and turnarounds to address all the important issues and new techniques. Attending will give you the opportunity to benchmark with market leaders and learn about best practices and new technologies.

Topics range from finding the best contractor and planning an accurate scope to keeping the operation within budget and on time. If you would like to streamline all aspects of your shutdowns this meeting is not to be missed.

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8:30 Registration and Coffee

9:00 Opening remarks from the Chairman

Improving Overall Performance with Effective Shutdown Management

9:10 A holistic approach to shutdowns and turnaround management

- Accurately defining the scope of work and setting realistic targets
- Maximising the pre-shutdown planning to increase turnaround efficiency
- Successfully maintaining control of work scope
- Post turnaround assessment. Identifying the elements that made the event a success and those that need improvement

Achyut Pandey, RELIANCE INDUSTRIES
Head of Maintenance

09:50 The Importance of Turnaround Planning and Preparation to Eliminate or Minimize Setbacks

- Which Key Leading Indicators (KPI's) - such as turnaround characteristics and the level of turnaround planning and preparation - have a quantifiable effect on turnaround outcomes (Cost / Schedule / Safety)?
- How to interpret the feasibility of Turnaround objectives through the measurement of performance predictability risks?
- What is the value of a common turnaround work process?

John M.G. Alkemade, ASSET PERFORMANCE NETWORKS
European Director

10:30 Benchmarking Coffee Break

World-Class Turnaround Planning, Strategy and Execution

11:00 Effective management of major unplanned repairs in 3 transformers

In 2008 Intergen had perform unscheduled repairs to all 3 main step up transformers. Therefore we sourced a spare transformer from the US and we have had all 3 transformers repaired in Turkey

- Introduction
- Explanation of transformers and the issues we had and how they surfaced.
- Transferring from a crisis into project organisation, running through many scenarios in a short time as the plant was down.
- Outline of the project organisation and approach.
- Identifying key success factors like contractor buy in and integration in the company, ownership of all employees from maintenance, operations.
- Summarizing the key figures like schedule cost, safety performance and quality
- Most important do's and don'ts in a generic way, based on my experience.

Arjan Van der Stigchel, INTERGEN
Production Manager

11:40 Assessing your Plants Shutdown Readiness

- Getting pre-shutdown work right so there are no unplanned for eventualities
- Scope, cost and duration - best practice in getting them right
- Methods for determining schedule readiness

Senior Representative, SASOL
Maintenance Manager

12:20 Achieving Accurate and Competitive Turnaround Outcomes

Recognizing that a successful manufacturing business is effective in both capital and expense spending and that turnaround effectiveness is critical to the bottom line, IPA began studying the drivers of turnaround outcomes in 1997. This paper looks at four areas that play key roles in improving the cost efficiency of turnarounds:

- The level of planning completed prior to turnaround start,
- Clarity of business objectives,
- Owner-led versus contractor-led turnarounds,
- Estimating practices.
- Detail of station arrangements

Patrick Voogd, IPA
Independent Project Analyst

13:00 Luncheon

14:30 ROUND TABLE: Outage Optimization

- What will be the major issues in the future with regards organising outages and how can we overcome them?
- What are the most effective methods of communicating with contracted labour to ensure efficiency and safety during an outage?
- How does overtime and shift work affect the quality of work during outages?
- Most effective methods of keeping costs down without compromising safety or quality

Panelists: Intergen; Sasol & IPA

Innovations and Technologies in the Shutdown and Turnaround Field

15:10 A Practical Approach to Turnaround Interval Extension

- SABIC IP Work Process for Turnaround Interval Extension
What are the drivers to develop a new work process, what does the process look like
- Analysis and Decision Support Tools (APT)
Tools to justify the extension of the turnaround interval
- Real-life examples
Application of APT to existing plant issues

Ricky Doelman, SABIC Innovative Plastics
Outage Manager
Alex Thomson, The Woodhouse Partnership Ltd.
Principal Consultant

15:50 Coffee and Networking

16:20 Streamlined and Accurate Inspection = Prompt and Efficient Turnaround

- Improving inspection and NDT techniques during shutdowns
- Using automated inspections to keep costs and time to a minimum
- Eliminating wasteful inspections that have no value

17:00 Round Table Discussion

Learning from shutdowns in other industries.

Experts from across the energy and chemical industries will sit down together to discuss the issues that affect their outage planning.

17:40 Closing remarks from the Chairman

18:00 Evening Reception



8:30 Registration and Coffee

9:00 Opening remarks from the Chairperson

Effective Logistical Planning – Getting the Right People and the Right Equipment in the Right Place and the Right Time

09:10 Shutdowns through successful partnerships with contractors

- Creating a win-win relationship between the owner and contractor
- Strategies to ensure required and qualified people are available to execute pre-turnaround and all planned scope work
- Design and implement key performance indicators to track ongoing contractor performance

Jac Weggen, ESSENT
Turnarounds Manager

09:50 Integrated and Efficient Team Structures, the Key to Successful Turnarounds

- Importance of having the best possible team to keep outage time and cost to a minimum
- Getting the right people together on time
- Dealing with a shrinking skills base

Attila Berghammer, ATEL-CESPEL
Engineering & Maintenance Controller

10:30 Morning Coffee and Networking

11:00 Shutdowns seen from Contractors Point of view

- How can Support services create benefits to the owner, starting from pre-turnaround
- Importance of information required for reliable quotations
- Best practice to avoid shutdown prolongation due to additional work scope and need for replacement parts supply
- Extra services that can be provided by contractor

Guy Speck, SULZER CHEMTECH
TAS Manager

11:40 ROUND TABLE Challenges of Managing an Offshore Event

- Getting logistics right
- Maximising the use of local knowledge
- How to evaluate shutdown organization & key staff
- Measuring performance & productivity

Panelists: Sulzer Chemtech; Atel- Cespel & Essent

Optimising Outage Risk Management and HSE Considerations during a Shutdown

12:20 Minimising Health and Safety Incidents through an Effective Risk Management Process

- Process Safety Management as integral part of Risk Management
- Risk assessment as a planning tool
- Development of a risk matrix to define benchmarks for acceptability and tolerability of risks
- Incorporation of risk-based approaches into operating and work procedures

Dr. Ulrike Weingerl, OMV
Process Safety Management

13:00 Luncheon

14:30 Managing Risk in the Plant Shutdown Process

- Accurately following risks of projects costs and delays
- Ensure all personnel remain compliant with the rules and procedures of the site
- Effectively Communicating with Contractors to ensure safe working procedures

Georges Madessis, INEOS OIGOMERS
Maintenance and HSE Manager

15:10 Best Practices in Shutdown Safety

- Crucial issues for every TAR: Safety, Time, Costs
- From scope definition to best practice

*demo monitoring of confined spaces & tracking of personnel in hazardous environment

- From cost/fee model to value partnership
- Getting the most from your partnership with contractors
- Best practice examples - improving processes with real-time planning

Matty Zadnikar, Z-GROUP
CEO

15:50 Afternoon Coffee and Networking

16:20 Process Safety Management Considerations

- The importance of Process Safety Management (PSM) during a shutdown
- Should the burden of PSM be left to the operators alone?
- Management of integrated safety systems, incident investigation, process safety information and KPIs

17:00 Interactive Panel Discussion Contractors, Contracted Labour and Solutions to the Future Resource Problem

- What are the best ways to attract and retain contracts with Contractors?
- What strategies are contractors pursuing to ensure security of labour supply?
- What are the best methods to secure contractor accountability?
- Is there a cross industry solution to the skills shortage?
- What are the most important lessons the various industries (chemical, refinery and electricity) can learn from each other?

17:40 End of meeting and closing remarks from the Chairperson

