

MC² – Managing the
Course of Change

**2008 NPRA Reliability & Maintenance
Conference and Exhibition:
Final Program and Show Directory**

Henry B. Gonzalez Convention Center
San Antonio, TX
May 20 – 23, 2008



NPRA



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**2008 NPRA Reliability & Maintenance
Conference and Exhibition:
Final Program and Show Directory**

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Floor Plan is on the inside back cover.

Schedule of Events

Tuesday, May 20, 2008

8:00 am – 2:00 pm	Exhibitor Golf Tournament – Hyatt Hill Country
9:00 am – 5:00 pm	Professional Development Seminars
1:00 pm – 8:00 pm	Registration
5:00 pm – 8:00 pm	Opening Reception in Exhibit Hall

Wednesday, May 21, 2008

7:30 am – 6:00 pm	Registration Open
8:30 am – 9:45 am	Keynote Session – Vince Papale
9:45 am – 10:00 am	Coffee Break
10:00 am – 11:15 am	Concurrent Workshop Sessions
11:15 am – 1:00 pm	Lunch in Exhibit Hall
1:15 pm – 2:30 pm	Reliability Q&A Session / Concurrent Workshops
2:30 pm – 2:45 pm	Coffee Break
2:45 pm – 4:00 pm	Concurrent Workshop Sessions
4:00 pm – 6:00 pm	Reception in Exhibit Hall

Thursday, May 22, 2008

7:30 am – 6:00 pm	Registration Open
8:30 am – 9:45 am	Keynote Session – Charles T. Drevna
9:45 am – 10:00 am	Coffee Break
10:00 am – 11:15 am	Concurrent Workshop Sessions
11:15 am – 1:00 pm	Lunch in Exhibit Hall
1:15 pm – 2:30 pm	AEI Q&A Session / Concurrent Workshops
2:30 pm – 2:45 pm	Coffee Break
2:45 pm – 4:00 pm	Concurrent Workshop Sessions
4:00 pm – 6:00 pm	Reception in Exhibit Hall

Friday, May 23, 2008

8:00 am – 8:30 am	Continental Breakfast
8:30 am – 10:00 am	Turnaround Q&A Session / Concurrent Workshops
10:15 am – 11:30 am	Ethics Training

MC² – Managing the
Course of Change

General Information

Henry B. Gonzalez Convention Center
San Antonio, TX
May 20 – 23, 2008



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Welcome

On behalf of the NPRA Maintenance Committee, I am pleased to welcome you to San Antonio for NPRA's 37th annual Reliability & Maintenance Conference and Exhibition.

This year, the conference theme is "Managing the Course of Change". We all recognize that change comes right after death and taxes on life's list of unavoidable and unpleasant experiences. Whether it is a biofuels mandate that morphs from 12 billion to 36 billion gallons per year or the "golden age of refining" that turns into the "bronze era of low margins", we are overwhelmed with the pace of change and are working as hard as we can just to keep up. While many of us consider "managing change" conceptually similar to riding a bucking bronco, I believe that we can "manage" change best by preparing ourselves to adapt. With this objective in mind, this week's conference presents an excellent opportunity to get up to speed on some new topics, identify innovative solutions for stubborn problems, and sort through the technology solutions being offered by the exhibitors. The ideas and concepts that you gather at this conference may be just the things that you need to adapt to new situations and manage the changes and challenges that are sure to come.

As always, the conference emphasizes knowledge gained through experience – the positives and negatives – by refiners and petrochemical producers who are developing and refining their proven practices and new technology applications. We can all learn from each other and I encourage you to



Dan Statile

share what you have learned with other attendees in the workshops and the Q&A sessions.

Finally, the program committee sincerely appreciates the feedback that we receive through the workshop evaluation forms and the digital survey that will be e-mailed to you after the conference. Your input allows us to tailor future conference programs to your needs and provide you with the most relevant tools and ideas to help you and your company succeed. Please help us by responding to these surveys and by telling me and the other committee members how you feel about the conference. You can't miss us – we'll be wearing the shirts with the NPRA logo.

Thank you for your continued support of the NPRA and the Reliability & Maintenance Conference.

A stylized, handwritten signature in black ink, appearing to read "Dan Statile".

Dan Statile
NuStar Energy
Program Chairman
2008 NPRA Reliability &
Maintenance Conference

Reliability & Maintenance Conference and Exhibition: Managing the Course of Change

Welcome to the 2008 NPRA Reliability & Maintenance Conference and Exhibition in San Antonio, TX. All events will be held at the Henry B. Gonzalez Convention Center.

Reliability, mechanical integrity, and operating safely continue to grow in importance to our industries as competitive pressures increase. Managing the course of change and successfully adapting to the business environment will depend on our resourcefulness and commitment to implementing new technologies, more efficient work practices, and a more deeply ingrained safety culture. The NPRA Reliability & Maintenance Conference enables you to anticipate change, identify the tools you will need, and initiate the steps that will lead to improved reliability and safer operation.

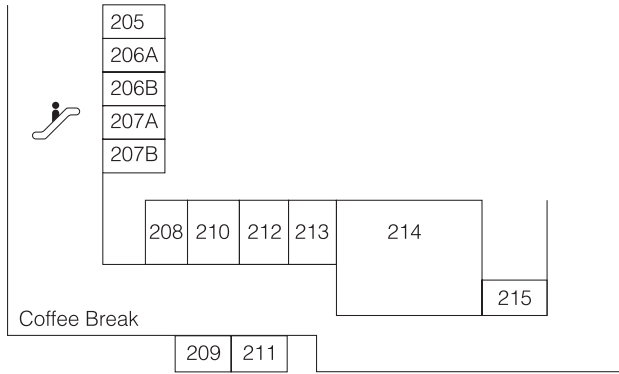
The program emphasizes sharing knowledge and benefiting from the experience of others so that you can improve performance. The program has expanded to 35 workshops in seven topic tracks: Analyzers, Electrical, & Instrumentation (AEI); Maintenance Execution; Principles & Practices; Process Safety Management; Procurement; Reliability; and

Turnarounds. The topic tracks that are new in 2008 – AEI and Process Safety Management – allow the conference program to adapt to changes in the industry. The former recognizes the expanding role of automation in our facilities while the latter is explicit recognition that process safety is an essential component of all of our activities. The workshops will be interactive and attendees will be encouraged to ask questions and share their own experiences and challenges. The Q&A sessions are formatted to maximize interaction and will offer attendees the opportunity to have their specific questions answered.

Workshop Sessions

Many of the workshop sessions will have a single presentation followed by a group discussion on the topic while others include an informal panel. The workshops provide opportunities for smaller groups to have detailed discussions on topics of special interest to reliability, maintenance and operations personnel. You are encouraged to come to the workshops prepared to discuss your company's experiences or concerns on the subject. A CD-ROM with the technical papers from the workshops will be distributed at the conference.

Floorplan



Q&A Sessions

The program includes three Q&A sessions where panelists will lead a discussion of today's critical issues. The Analyzers, Electrical and Instrumentation (AEI) Q&A session will focus on the pros and cons of new technologies, evaluating their potential, and implementation issues. The Reliability Q&A will focus on the tools and proven practices used to improve reliability and the Turnaround Q&A will focus on the challenges of turnaround planning and execution. The questions for the Q&A Sessions are taken from actual questions and problems that have been submitted by your peers. Panelists bring carefully prepared answers to the sessions and then use their experience and knowledge to respond to questions raised by session attendees.

Professional Development

The conference will be preceded by a one-day program offering five professional development courses. Full-day seminars will be offered on Managing Safety Performance™ by Balmert Consulting; Leadership by Coaching in Action; API 753 by Baker Engineering and Risk Consultants; and Mechanical Integrity by ABS Consulting. There will also be a half-day seminar on Work Process Management by RMG. There is an additional registration fee for these seminars.

Exhibition

The Conference Exhibition provides an opportunity to evaluate the equipment, services, and technologies of more than 240 companies. These companies are specialists in a specific aspect of reliability and can be valuable resources in solving plant problems and improving performance. Many of the exhibitors are first-timers offering novel solutions to your pressing problems. The 10-plus hours of exhibition time also offer an excellent opportunity to network with others and focus on your facility's particular needs.

Conference Policies

General

Dress Code

Attire for the Reliability & Maintenance Conference and Exhibition is business casual. This requires closed-toe shoes, collared shirts and slacks. No sandals, shorts, t-shirts, tank tops or blue jeans at conference sessions or in the exhibit hall, please.

Ribbons

Badge ribbons help identify your role in the conference. Ribbons are provided for the following designations:

- *White with Blue lettering* – Operating Company/ Plant Personnel
- *Forest Green* – Exhibitor
- *Yellow* – Speaker
- *Red* – Maintenance or Exhibitor Committee member
- *White with Gold lettering* – Sponsor
- *Green* – Press
- *No ribbon* – indicates that the attendee works for a non-operating, non-exhibitor company (i.e. supplier, consultant that is not an exhibitor at this year's show).

Cell Phones / PDAs

As a courtesy to speakers and your fellow participants, please turn cell phones and PDAs off or set to "silent" when attending any sessions. Thank you.

Email Stations

For your convenience, NPRA has provided eight email stations with high-speed Internet access to keep in touch with your office. Kiosks are located in the registration area and are available from 8:00 am to 8:00 pm on Tuesday

and 8:00 am to 6:00 pm on Wednesday and Thursday.

Smoking

No smoking is permitted in the sessions or exhibit hall.

Recording Policy

Videotaping of the exhibit hall, general sessions, workshops, Q&A Sessions, and discussions is strictly prohibited. Audio taping is permitted only in the workshops and Q&A Sessions for the sole purpose of private use. Any recording for purposes of reproduction or distribution without the written consent of the NPRA is strictly prohibited.

Suitcasing Policy

All meeting registrants are invited to the exhibition. However, any non-exhibitor registrant who is observed to be soliciting business in the aisles or other public spaces, in another company's booth, or in violation of any portion of the NPRA Exhibition Policy will be asked to leave the show floor. Please report any violations you may observe to show management.

Professionalism

The NPRA is proud of the professional atmosphere present at our meetings and tradeshow. Each participant is expected to display courtesy to all fellow attendees and maintain the highest level of professional decorum and speech at all times. Unacceptable behavior will not be tolerated and violators will be asked to leave.

NPRA Anti-Trust Policy

The National Petrochemical & Refiners Association is a nonprofit, tax-exempt membership association organized to foster cooperation and the exchange of technical information among its members. These worthwhile activities are sanctioned by custom and law. It is important, however, to recognize that these activities are subject to the legal limits of federal and state antitrust laws. NPRA is committed to complying with the antitrust laws in all respects and has adopted the following guidelines in order to facilitate compliance with the antitrust laws at its meetings:

As a general matter, the antitrust laws prohibit competitors from agreeing on the prices they will charge, the products they will offer, the customers they will serve, or the markets in which they will compete. Therefore, there should be no discussion or disclosure of information with respect to (a) expected profits, premiums, prices, surcharges, or discounts; (b) specific customers or classes of customers, or whether you will or will not do business with them; (c) proposed product offerings; (d) allocation of geographic or product markets; (e) any refusal to deal with a customer or supplier; (f) how to deal with the market behavior of a competitor; or (g) any other topic involving a potentially anticompetitive practice.

Some subjects of discussion may lead to agreements that are not unlawful on their face but that may have an unlawful anticompetitive effect or may give rise to the inference of an anticompetitive act, depending upon their scope and how they are implemented. Other subjects may appear to be prohibited by the antitrust laws but in fact may be permitted because of the context or ultimate purpose of the communication. Whether discussing a subject is permissible may vary depending on factors such as the nature of the subject matter, its relationship to competition among NPRA members, the purpose of the communication, and the degree of restraint that NPRA members can be expected to exercise.

We cannot make a statement that will take the place of advice from your own company or that will cover every situation. We do suggest that those attending our meetings may avoid difficulties for themselves and for the Association by observing these principles and calling to NPRA's attention any violations you may observe at any of our meetings.

Conference Policies

Entertainment Policy

We ask your cooperation in observing Association Policy on activities held in conjunction with any NPRA meeting:

- Meetings or social activities should not be scheduled that take registrants away from NPRA programs and NPRA-sponsored activities;
- Companies are asked to restrict entertainment outside hospitality suites to activities that do not include expensive or elaborate entertainment;
- Any company sponsoring a function to which 75 or more people are invited should outline its plans for advance NPRA approval. In general, such functions will be approved if they do not take registrants away from NPRA-sponsored activities;
- All representatives of companies sponsoring hospitality activities are expected to register for the meeting;
- Hospitality suites are expected to close by 1:00 a.m.;
- Food, beverage and service personnel (bartenders, hostesses, etc.) should be obtained through the hotel catering department;
- Suite promotional activities should avoid the use of elaborate entertainment, expensive door prizes, suite attendance solicitation by individuals who are not full-time employees of the sponsoring company, or similar activities.

Future Conference Schedule

NPRA Reliability & Maintenance Conference and Exhibition

May 19 - 22, 2009	Grapevine, TX
May 25 - 28, 2010	San Antonio, TX
May 24 - 27, 2011	Denver, CO
May 22 - 25, 2012	San Antonio, TX
May 21 - 24, 2013	Orlando, FL
May 20 - 23, 2014	San Antonio, TX

NPRA Cat Cracker Seminar

August 19 - 20, 2008 Houston, TX

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Professional Development Seminars

9:00 am – 5:00 pm

All sessions are concurrent and take place at the Henry B. Gonzalez Convention Center.

API 753

Room 206A

This seminar will cover all aspects of the newest release of API RP 753, Management of Hazards Associated with Location of Process Plant Portable Buildings. Included in the session is an introduction to the standard, blast basics, structural response, and consequence and risk assessment methodologies.

– *Tom Rodante*

Baker Engineering and
Risk Consultants

Mechanical Integrity

Room 206B

Attendees will learn how to develop, implement, and maintain an efficient mechanical integrity (MI) program that both ensures mechanical integrity and meets OSHA and EPA regulations. Attendees will also learn how to define roles and assign responsibilities within the program and how to integrate their new MI program with existing MI activities.

– *W.M. Bradshaw*

ABS Consulting

Leadership

Room 207A

Management uses the term “leadership” liberally, but what is leadership with regard to reliability and maintenance? Coaching for Action has worked with industry reliability and maintenance specialists to develop this seminar on what it takes to be a leader.

– *Stephen Shannan*

Coaching for Action Inc.

**Managing Safety Performance™ ...
Leadership Best Practices**

Room 207B

This course provides practical safety leadership skills. It teaches both “what to do” and “how to do it” based on best practices found in world class organizations and identifies successful role models.

– *V. Scott Pignolet/Paul Balmert*
Balmert Consulting

1:00 pm – 5:00 pm

**RMG’s Planning and Scheduling
Game/Seminar®**

Room 205

The Planning & Scheduling Game® is conducted in two rounds where crews of five actually fix “machines”.

The first round demonstrates what is commonly found in most plants; constant emergencies, poor work descriptions, little or no planning and poorly coordinated scheduling. The second round exemplifies the best of planning and scheduling, clearly demonstrating that there is a net productivity and profit improvement for an organization.

Participants will see that they really can make a difference and the benefits for both them and their company.

– *Steve Nelson*

Reliability Management Group

See page 10 for Exhibitor Golf
Tournament, 8:00 am – 2:00 pm

Tuesday
May 20, 2008

**Exhibitor Golf
Tournament**

8:00 am – 2:00 pm

Hyatt Hill Country Golf Resort

Buses depart from the Commerce Street entrance of the Marriott RiverCenter Hotel at 6:45 am. This annual event hosted by the exhibitors will provide a fun morning of golf and networking. Breakfast and lunch are provided at the golf course.

**Exhibition Opening
Reception**

5:00 pm – 8:00 pm

Exhibit Hall C

The 2008 Exhibition officially begins at 5:00 pm. Renew old friendships and meet new people while viewing the latest technology developments offered by the exhibitors. Enjoy complimentary food and beverages while you explore the exhibition hall and plan your week.

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**Wednesday
May 21, 2008**

Henry B. Gonzalez Convention Center
San Antonio, TX
May 20 – 23, 2008

Wednesday
May 21



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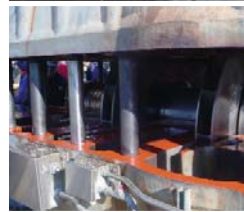
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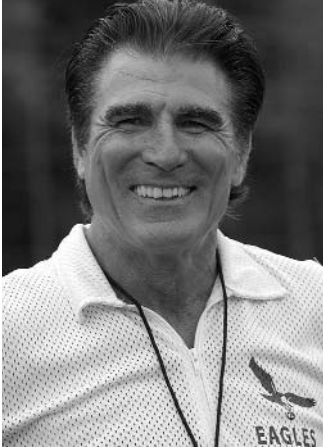
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Wednesday
May 21, 2008

General Session

8:30 am – 9:45 am

Room 214



Vince Papale

The real-life inspiration for the 2006 movie "Invincible", Vince Papale took a chance and changed his life by walking-on with the Philadelphia Eagles and sticking with the team for four seasons. In his presentation, Invincible! Vince will give you the confidence to think outside the box and set goals that will put you on the field, instead of watching the game from the sidelines.

Concurrent Sessions

10:00 am – 11:15 am

**Track 1:
Analyzers, Electrical and
Instrumentation**
Room 207A

RMC-08-26

**Monitoring and
Maintaining PLCs**

Allen Runte, TOTAL Petrochemicals

This presentation reviews a PLC upgrade project that began as a simple replacement of obsolete equipment, but evolved into a networked dynamic controls system. The final product cleared up years of mystery and misery that had surrounded the PLCs and enhanced the maintenance and monitoring of these little “black boxes”.

**Track 2:
Reliability**
Room 210

RMC-08-16

**Infrared Camera In-Use in the
Petrochemical Industry**

Rohit Sharma, LyondellBasell

The infrared (IR) gas imaging camera is increasingly being used in the petrochemical industry. This presentation will discuss how the infrared camera can be used in place of traditional LDAR techniques to significantly improve effectiveness and reduce costs of monitoring leaks & emissions. The presenter will discuss the techniques and advantages of camera use, lessons learned within the industry and efforts to change existing regulations to allow use of IR cameras to meet LDAR requirements.

Track 3:
Process Safety Management
Room 207B

RMC-08-15
**Prevent Corrosion Under Insulation –
A Strategy for Piping Systems**

Brian Fitzgerald, Exxon Mobil
Chemical Company

A presentation reviewing the cost of Corrosion Under Insulation, prevention methods and a strategy for moving piping systems towards a maintenance-free, inspection-free condition.

Track 4:
Procurement
Room 211

RMC-08-12
**10 Fundamentals and
Best Practices for
Supply Chain Organizations**

Bob Engel, Resources Global
Professionals

One of the gratifying trends in supply chain management is that most companies are actively recognizing the importance of their supply chains. The positive impact for supply chain professionals is that we can save money for our companies and participate in improving company performance, effectiveness, and efficiency. Many companies and supply chain organizations, in fact, have begun taking steps towards implementing philosophies, methods, and processes that are considered “world class or best practice”. This session will address 10 fundamental supply chain initiatives for building a best in class supply chain organization.

**Concurrent Sessions
continue on page 14.**

Concurrent Sessions

10:00 am – 11:15 am

Track 5:
Maintenance Execution
Room 212

RMC-08-27

Work Management At Paulsboro – An Emergent Process

Chuck Wallace, Valero Energy

All manufacturing plants are complex systems that evolve through “stable domains”... hopefully from “Reactive” to “Planned” and progressively towards “Precision” and “World Class”. The system includes people, processes and technology and must be fully integrated with the work management strategy for high reliability at optimum costs.

At the Valero Paulsboro Refinery, the new science of “Complex Adaptive Systems” is being applied to the work management process as an integral part of the Maintenance and Reliability Strategy.

Track 6:
Principles & Practices
Room 213

RMC-08-32

All Lubricants Are Not Created Equal

David Turner and Jeff Buck,
Shell Global Solutions US

This presentation will give insights into selecting the proper lubricant for the application; cover the differences in base stocks and the basics of lubrication; provide information on in-service oil sampling and analysis; and help users to understand why there are so many different lubricants.

Exhibition and Lunch

11:15 am – 1:00 pm

Exhibit Hall C

Track 7:**Turnarounds**

Room 205

RMC-08-33

**Turnaround Peer Assists
at ConocoPhillips**

Stephen Busick, ConocoPhillips

ConocoPhillips utilizes a defined system of Turnaround Peer Assists to apply expertise from various sites to the assessment and improvement of turnaround readiness. This workshop will present and discuss the structure of the system, the key components contributing to its effectiveness and ConocoPhillips' experience to date in its application.

Wednesday
May 21, 2008

Notes

Concurrent Sessions

1:15 pm – 2:30 pm

Track 3:
Process Safety Management
Room 207B

RMC-08-31

**Refinery National
Emphasis Program**

Tom Rodante, Baker Engineering and
Risk Consultants

A panel will describe recent experiences with OSHA NEP inspections, OSHA's principal interests, and what to expect as well as recommendations on how to prepare for an inspection.

Track 7:
Turnarounds
Room 205

RMC-08-30

Successful Project Controls

Jim Griffith, Valero Refining

This presentation provides an overview of turnaround project controls and the cost reporting process used at a U.S. Gulf Coast refinery.

Concurrent Sessions
continue on page 18.

Concurrent Sessions

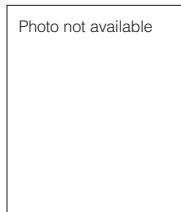
1:15 pm – 2:30 pm

**Track 2:
Reliability
Room 206**

Q&A Session

Panelists

Steve Burkle
Supervisor of
Reliability and
Inspection, Hess
Corporation



Steve holds Degrees in Metallurgical Engineering and Industrial Engineering and is an ASNT Certified NDT Level 3 in four nondestructive test methods. Steve is also an AWS Certified Welding Inspector, an API 510 Pressure Vessel Inspector, an API 570 Piping Inspector, and an API 653 Above-Ground Storage Tank Inspector. He is the Author of more than 50 technical articles dealing with welding, nondestructive testing, and inspection. Steve has traveled world-wide providing training programs on the behalf of ASNT, ASM, and AWS. One of Steve's special interests is the application of Finite Element Analysis as a tool in Failure Investigations.

Earnest Maxwell
Engineering
Excellence
Manager, Motiva
Enterprises



Earnest has an extensive background in refining, petrochemicals and pipelines in engineering, engineering management, maintenance management, and strategic planning. Earnest holds a BS in Mechanical Engineering from Mississippi State University and a MBA from the University of Houston.

Russ Parker

Reliability Manager,
Hunt Refining
Company



Russ is the Reliability Manager at Hunt Refining Company in Tuscaloosa. His previous assignments with Hunt include Turnarounds, Engineering, and Inspection Manager and Reliability Engineer. Prior to Hunt Refining Russ worked with the ExxonMobil Baton Rouge Refinery as the Mechanical Engineering Contact for Pipestills (crude processing units) and Light Ends Processing Units, and Process Contact for FCCU Units. Russ holds a BSME from Mississippi State University and a BS in Physics from Georgia Southern University.

Eric Tatelman

Corporate Reliability
Superintendent,
LyondellBasell



Eric is responsible for implementation of the Reliability-Centered Maintenance initiative. Prior to his current assignment, he held the roles of Maintenance Superintendent and Reliability Superintendent at the Chocolate Bayou Complex. Eric started his career at the Clinton Plant where he held several positions in Production, Maintenance and Reliability. Eric holds a degree in Mechanical Engineering from the University of Wisconsin - Madison.

Questions start on page 20.

Concurrent Sessions

1:15 pm – 2:30 pm

Track 2:
Reliability
Room 206

Q&A Session

Questions

Reliability Organization

1. Where does the reliability function reside in your organization? Please share your perspectives on how this organizational structure helps you achieve your reliability objectives.

Reliability Tools

2. Discuss the criticality analysis process at your site and how it was integrated into your maintenance and reliability efforts.
3. Have you utilized RCM? What did you do to make the process successful and how have you used the results to support your strategies and practices?
4. Please describe your process for capturing equipment history and how it is utilized in your reliability improvement process.
5. What KPI's have helped you succeed in driving improvement and measuring the effectiveness of your reliability program? How are you using the KPIs to improve the reliability culture and drive behaviors?
6. What is your company's RBI philosophy? What have you learned about successfully implementing RBI and what benefits have you attributed to RBI?

Proven Practices

7. What methodologies do you use to ensure reliability while expanding operating envelopes?
8. What is your company's philosophy and strategy on corrosion under insulation (CUI)?
9. Given an aging workforce, please describe your plans to retain the equipment reliability knowledge base? What training programs are you using to educate new personnel on unique equipment items?
10. How do you ensure reliability is incorporated in both large and small projects and how is life cycle cost analysis utilized?
11. What methodologies are you using to assess fired heater tube condition?

Q & A Session Notes

Concurrent Sessions

2:45 pm – 4:00 pm

Track 1:
Analyzers, Electrical and Instrumentation
Room 207A

RMC-08-25
Fieldbus Project Implementation
Ferrill Ford, Emerson Process Management
Paul Manak, Valero Energy

Additional temperature measurement points were needed to properly monitor a hydrocracker during start-up. This is an overview of the cost effective temperature monitoring solution using Foundation Fieldbus.

Track 2:
Reliability
Room 210

RMC-08-18
Reliability and Availability: Lifecycle Lessons from Functional Safety
Chris O'Brien, Exida Consulting

While functional safety standards usually focus on the analysis and realization phases of a project, there is an equally important operational phase. The correct testing and maintenance of the equipment utilized in a safety instrumented system is critical to that system's ability to perform its intended task. The functional safety standards provide guidance on good engineering practices to determine the required test interval to ensure proper equipment function. These techniques can be applied to general process equipment as well, allowing end users to develop specific testing and maintenance programs based on their reliability and availability needs.

Track 3:
Process Safety Management
Room 207B

RMC-08-17
**Mechanical Integrity:
An OSHA Perspective**
Mark Briggs, OSHA

Track 4:
Procurement
Room 211

RMC-08-14
Invoice Reduction
*Sean Laffere, Alvarez & Marsal
Business Consulting*

This presentation examines a cost reduction study focusing on business processes and technologies that eliminate paper in the traditional purchase order to invoice process and reveals how electronic collaboration can work for your entire supply base.

Concurrent Sessions
continue on page 24.

Concurrent Sessions

2:45 pm – 4:00 pm

Track 5:
Maintenance Execution
Room 212

RMC-08-07

Maintenance Work Sampling

Al Poling, STARCON International

Work sampling is a proven methodology for identifying workforce efficiency opportunities. By identifying and eliminating barriers to productivity, maintenance departments can increase the output of their existing maintenance resources.

Track 6:
Principles & Practices
Room 213

RMC-08-06

The New ASME Post Construction Standard PCC-2 Repair of Pressure Equipment and Piping

John Reynolds, Shell Global Solutions
Charles Becht, Becht Engineering
Clay Rodery, BP

Panel discussion on the contents, format, advantages and use of the new standard including highlights from numerous published articles and several more in preparation for the 2008 edition.

Exhibition and Reception

4:00 pm – 6:00 pm

Exhibit Hall C

Track 7: Turnarounds Room 205

RMC-08-24

Managing Management Using the Phased Gate Turnaround Process

Brad Hase, Flint Hills Resources

This presentation will describe Flint Hills Resources' Phased Gate Approach to planning and executing turnarounds. This structured approach, which encompasses strategic planning in addition to planning for a specific turnaround, involves management in the turnaround process. Management can then ensure alignment across the whole organization which is essential to turnaround success. The presentation will include a brief history of Flint Hills' turnaround performance using this approach.

Wednesday
May 21, 2008

Notes

Wednesday
May 21, 2008

Notes

MC² – Managing the
Course of Change

Thursday
May 22, 2008

Henry B. Gonzalez Convention Center
San Antonio, TX
May 20 – 23, 2008



Thursday
May 22

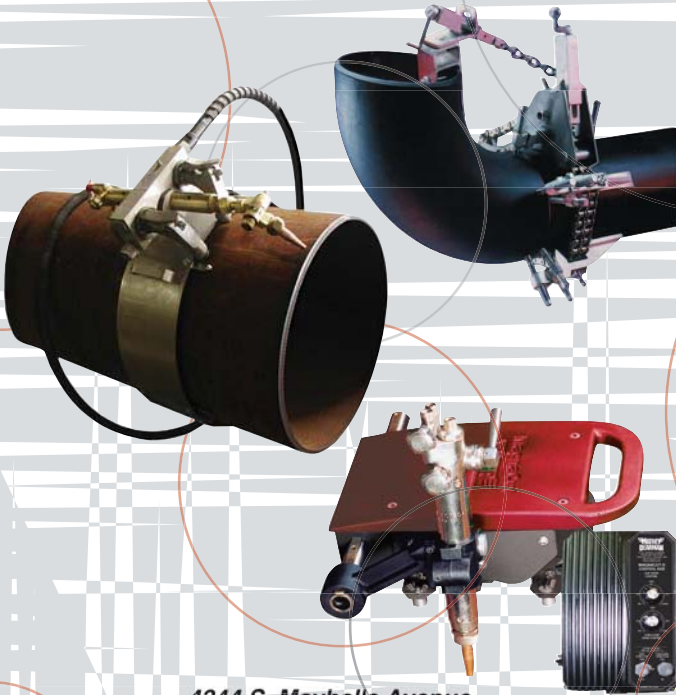


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Thursday
May 22

Thursday
May 22, 2008

General Session

8:30 am – 9:45 am

Room 214



Charles T. Drevna

Managing the Course of Change

Charles T. Drevna, NPRA President

The 2008 elections portend significant changes for the hydrocarbon process industries. Issues that affect operations such as limits on carbon dioxide emissions, plant security, and renewable fuel mandates are driven by legislative and regulatory bodies whose changing composition will result in new objectives and new requirements for industry. NPRA's President will describe the challenges that we face, the new initiatives that may come out of the 2008 elections, and NPRA's strategy for managing these changes.

Concurrent Sessions

10:00 am – 11:15 am

Track 1:
Analyzers, Electrical and Instrumentation
Room 207A

RMC-08-22
Transformer Insulating Oil Testing and Analysis
Minh Tu, LyondellBasell

This presentation will cover the different aspects of transformer testing and provide a simple approach to interpret data and results from transformer and insulating oil tests.

Track 2:
Reliability
Room 210

RMC-08-28
Automated Decision Support for Reliability Improvement
Jayesh Patel and Alberto Gomes, Valero Energy

Critical equipment outages or process upsets always cost the industry in terms of money and manpower. Decision support programs help to indentify the problems well in advance. If we combine action plans with decision support we will minimize the impact of events.

Track 3:
Process Safety Management
Room 207B

RMC-08-09

Three Years on from Texas City

Mike Broadribb, BP International Ltd.

Following the tragic Texas City incident in March 2005, the executive leadership of BP reviewed the fundamentals of the company's approach to process safety and operational excellence. This evaluation has led to significant changes designed to improve safety and operations, not just at the Texas City refinery, but across the BP Group worldwide.

For instance, U.S. Refining has already made progress with respect to the Baker Panel recommendations, which can be grouped under four main headings:

- Leadership
- Integrated and comprehensive process safety management system
- Process safety knowledge and expertise
- Process safety culture

The changes go beyond adoption of the Baker Panel's recommendations, and the paper will also discuss other issues, such as competencies, practices/procedures, metrics, and auditing, and it will highlight some wider messages for the industry.

Track 4:
Procurement
Room 211

RMC-08-29

Materials Verification

Mark Vining, Sunoco

Determining that specified materials have arrived and are acceptable for installation can be looked upon as a trivial task that is best "left to the storehouse to worry about" but the consequences of putting an incompatible material into process service can prove devastating. From rupture discs to pressure relief devices to entire skid packages containing multiple pressure retaining components, material verification is a key function for reliability.

Concurrent Sessions
continue on page 32.

Concurrent Sessions

10:00 am – 11:15 am

Track 5:
Maintenance Execution
Room 212

RMC-08-10

Cultural Change

Stephen Thomas, Sunoco

How many of you have ever been told that to improve we need to change the organization's culture? Additionally, how many of you actually knew what was involved to accomplish this very difficult task, or how to go about it? This presentation will address the topic of organizational culture change. You will learn that there are two additional levels in the change process beyond the task (hard skill) level where we typically focus our attention. You will also learn about the Eight Elements of Change, the Four Elements of Culture, and the representation of this information on the Web of Change diagram. Armed with this knowledge, the next time someone talks about changing the organization's culture you will understand what this means and have a real appreciation of the difficulty involved.

Track 6:
Principles & Practices
Room 213

RMC-08-11

Infrared Basics

Gary Carroll, LyondellBasell

This presentation is an overview of basic infrared history, principles, types of imagers and their uses, the various applications in which infrared inspection can be used, as well as color images and examples from actual infrared inspections. The steps required to start and maintain an effective infrared inspection program will be discussed.

Exhibition and Lunch

11:15 am – 1:00 pm

Exhibit Hall C

Track 7: Turnarounds Room 205

RMC-08-19

New Best Practice to Deliver Predictably Competitive Turnaround Results

Bobby Vichich, AP Networks

This presentation will outline a newly emerging industry best practice of disciplined turnaround preparation. This best practice allows organizations to efficiently position their most critical resources to achieve an optimal state of readiness, without jeopardizing plant uptime. The study takes front-end loading concepts to a new level by implementing current turnaround execution practices during the preparation phases. This enables look-ahead schedules, forecast completions, and critical path methodologies to reach required levels of preparedness – resulting in predictably competitive turnaround performance.

Concurrent Sessions

1:15 pm – 2:30 pm

Track 2:
Reliability
Room 210

Operator-Driven Reliability
Panel Discussion

Moderator:

James Feeney, Bayer MaterialScience

The panelists will discuss recent developments and refinements in implementing operator-driven reliability and the challenges inherent in changing the way that people work. Each panelist will describe the progress they are making and outstanding issues.

Track 3:
Process Safety Management
Room 207B

RMC-08-35

Strategies for
Infrastructure Reliability

Tom Kline and *Bob Hall*, Structural Preservation Systems
TBD, ConocoPhillips

This presentation will focus on the strategies implemented by ConocoPhillips and Structural Preservation Systems to understand its proactive infrastructure rehabilitation and ongoing maintenance requirements. The Plant Condition Management System (PCMS) will be discussed along with its capabilities to provide assessment of the condition of both Steel and Concrete Supporting Infrastructure Assets as well as provide prioritized expenditures and implement "Turnkey" Design-Build repair solutions. Successful case studies of repairs performed on- and off-line at several ConocoPhillips refineries throughout the U.S. will be discussed.

Track 5:
Maintenance Execution
Room 212

RMC-08-20

**Craft Productivity –
Utilizing Workforce Planning**

Jim Bishop, CB&I

This presentation will present a case study of using workforce planning on a recently completed \$210MM crude unit revamp. The project utilized Construct Sim Software as the platform for workforce planning which improved work packages, material flow, supervision support, and project coordination. This presentation will also describe some of the processes and tools developed during the course of the project to improve efficiencies.

Track 6:
**Principles and Practices –
Discussion Session**
Room 209

**The Challenges of Reliability and
Maintenance in a Global System**

Discussion Facilitator:

Ted Tolleson, DuPont

This informal discussion session will give attendees an opportunity to talk about reliability and maintenance issues and challenges that are faced by those who manage assets in various regions of the world and those who support multiple locations worldwide. The discussion will help attendees identify key challenges and different approaches to meeting them.

Track 7:
Turnarounds
Room 205

RMC-07-21

European Turnarounds

Ian Fowler, TOTAL Petrochemicals

An overview of the challenges associated with executing a refinery turnaround in Europe.

**Concurrent Sessions
continue on page 36.**

Concurrent Sessions

1:15 pm – 2:30 pm

Track 1:
Analyzers, Electrical and Instrumentation
Room 206

Q&A Session

Panelists

Jerrod Betz

Corporate Electrical Engineer, Celanese, Ltd.



Jerrod provides technical support for 35 Celanese facilities around the globe including project support, equipment specification, incident analysis, reliability programs, codes and standard compliance, and electrical maintenance. Jerrod has an extensive background in high, medium, and low voltage power distribution systems including utility, industrial, and large commercial systems and has performed detailed design, equipment specification, project management, construction management, and commissioning. He has performed critical reconstruction projects after hurricanes Katrina and Rita in 2005 while working for both Laptec and Southcoast. These included substations, switchyards, municipal buildings, flood control structures, and petrochemical facilities. Jerrod holds a degree from Louisiana State University and is a Professional Engineer for the State of Louisiana.

Jim Hall

Senior Engineering Associate, ExxonMobil



Jim oversees engineering quality for large projects and provides technical assistance and consulting to ExxonMobil's Americas refineries. He has worked for ExxonMobil for more than 38 years primarily in process instrumentation. Jim is a member of the Advisory Committee on Texas A&M University's Instrumentation Symposium for the Process Industries.

Steven Ratcliff

I&E Reliability
Business Network
Leader, Chevron,
Global
Manufacturing

Photo not available

Jim Rowe

I&E Superintendent,
Pasadena Refining
System Inc.



Steven has over 28 years experience in engineering, maintenance, and operations. His previous experience includes Maintenance Electrician for Owens-Illinois, Substation engineer for Virginia Power, and various positions for Marathon Petroleum, including: Instrument and Electrical Design Engineer, Project Engineer, Project Manager, Maintenance Engineer, and Instrument Reliability Engineer. Steven holds a Bachelor of Science Electrical Engineering from West Virginia University.

Jim began his career at Graybar Electric in the consumer electronics division then as an electronic technician at Robertshaw Controls in New Stanton, then to SCM Chemicals in Ashtabula, OH. As SCM transitioned into Millennium Chemicals and then Lyondell Chemical, he held several positions including I&E Technician, Maintenance Foreman, I&E Foreman, I&E Planner, I&E Supervisor and I&E Engineer before ending up as the Senior I&E Engineer for the Ashtabula, Ohio Complex. Jim holds an engineering degree from Kent State University.

Questions start on page 38.

Concurrent Sessions

1:15 pm – 2:30 pm

Track 1:

Analyzers, Electrical and Instrumentation

Room 206

Q&A Session

Questions

Electrical

1. What are the requirements of NFPA 70E (arc flash protection)? What do you do to keep your personnel safe and minimize the need for personnel protection equipment?
2. Due to the random pattern of failure of most electrical equipment, it is difficult to use preventive maintenance practices and standard p-f (potential for failure) intervals (the time between diagnosis of impending failure and functional failure) for identifying the remaining life. How do you determine the remaining life of your electrical assets such as distribution equipment, motors, and controls?
3. High inherent reliability in electrical components and their random failure patterns make it difficult to identify a failure's specific cause. How do you determine the root causes of your electrical equipment failures?

Instrumentation

4. What applications utilize wireless to its best advantage? How do you justify installing wireless instrumentation? What applications are unsuitable for wireless?

Analyzers

5. How do you manage critical analyzers such as those required by federal or state environmental regulations or process critical analyzers?

Instrumentation - SIS

- 6a. How do you manage a safety-instrumented-system (SIS) testing program?
- 6b. Have you lengthened the intervals between SIS testing? What steps did you take to lengthen the interval and what benefits have you realized? What limits the length of the interval?
7. To what degree, if any, are you using partial stroke testing rather than full functional testing for valves in SIS service?
8. What qualifications do you require for people doing SIS testing?
9. Have you installed smart instruments and do you actually utilize their capabilities? Please name the top three benefits of smart instruments.
10. What is your smart instrumentation philosophy regarding new installations and upgrades: Hart v. Fieldbus?

Thursday
May 22, 2008

Q & A Session Notes

Concurrent Sessions

2:45 pm – 4:00 pm

Track 1:
Analyzers, Electrical and Instrumentation
Room 207A

RMC-08-23

Medium Voltage Cable Testing Techniques

Duane Jubert, Shell Exploration & Production

Medium voltage cables are the main arteries of our plant electrical distribution systems. A medium voltage cable failure is usually accompanied by a major plant upset, as well as environmental flaring. Many of our plants have cables approaching or exceeding 40 years in age. Considering these factors, it is prudent to have a cable testing/replacement strategy in place to address cable reliability. Industry has long searched for a reliable method to assess the condition and remaining life of cables and several testing methodologies have been developed over the years to fill this need with varying degrees of success. This presentation will describe the different cable testing technologies available and offer pros and cons of each method.

Track 2:
Reliability
Room 210

RMC-08-36

Failure Modes and Effects Analysis Utilization

Paul Rabuse, KBC Advanced Technologies

Failure Modes and Effects Analysis (FMEA), when used properly, can be a very effective tool for evaluating process plant risk. Together with a recent case history, this paper describes the tool, the process, and guidance to incorporate the process into a plant wide defect elimination process. Implementing such a process will enable plant personnel to understand asset risks and reduce them to an acceptable level.

Track 3:
Process Safety Management
Room 207B

RMC-08-34
Safety Instrumented System Testing
John Campbell, ConocoPhillips

One key to the verification of the reliability and availability of safety instrumented systems is testing. The requirements for and permutations of testing safety instrumented systems will be discussed.

Track 4:
Procurement
Room 211

RMC-08-13
Claims and Contract Management
Mike Dell'Isola, Faithful+Gould

This presentation will address the issues pertinent to project delivery on major capital and maintenance contracts and the importance of prudent contract management activities on the delivery of a successful project, the controls to embed in a contract to ensure such a delivery, and the consequences that will arise by not adhering to sound contract management practices.

Concurrent Sessions
continue on page 44.

Concurrent Sessions

2:45 pm – 4:00 pm

Track 5:
Maintenance Execution
Room 212

RMC-08-08

Making Everyone Accountable for Reliability: Eliminating Barriers to Maintainable Excellence

Richard Boyd, Celerant Consulting
Dana Graves, Rohm & Haas

Rohm and Haas conducted a comprehensive Maintenance, Operations and Supply Chain integration program, driven by process improvements, a sound management accountability system and persistent coaching. The presentation will outline the program, why Rohm and Haas found it so beneficial and how the methodology could be implemented, regardless of the plant size or challenge.

Track 6:
Principles & Practices
Room 213

RMC-08-38

Fundamentals of Leak Detection and Repair

Matthew Desrosiers, Motiva Enterprises
Dan Dodge, AW Chesterton

The presentation will give a brief overview of the leak detection of VOCs. The focus will be on repair of the leak including: leak assessment, leak analysis, leak repair strategies, repair justification, repair windows, and repair techniques.

Exhibition and Reception

4:00 pm – 6:00 pm

Exhibit Hall C

Track 7:**Turnarounds**

Room 205

**Turnaround Strategies for
Coping with Craft Labor
Constraints – Panel Discussion**

Moderator:

Ron Engel, LyondellBasell

Panelists:

Jim Griffith, Valero Energy

David Jones, Murphy Oil

Billy Linton, Pasadena Refining

Dave Park, LyondellBasell

Gerry Tracy, Suncor Energy

Thursday
May 22, 2008

Notes

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Friday
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Friday
May 23



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Friday
May 23, 2008

Concurrent Sessions

8:30 am – 10:00 am

Track 1:
Analyzers, Electrical and Instrumentation
Room 207A

Process Analyzer System Specialists: Their Origin and Their Replacement
Art Williams, ENGlobal Systems

Process Analyzer System Specialists come from various disciplines within our industry. They are engineers, chemists, technicians, and other scientists that were asked to take on one of the many forms of process analyzer work. They were deemed to have the aptitude, skills, interest and work ethic that are required in this field. It is a challenging, interesting, multi-discipline career, but its numbers are dwindling with the gray-ing of the workforce and replacing them is challenging.

Track 2:
Reliability
Room 209

Tank Discussion Session
Facilitators:
Dan Flake, Suncor Energy
David Jones, Murphy Oil

Concurrent Sessions
continue on page 48.

Concurrent Sessions

8:30 am – 10:00 am

Track 7:
Turnarounds
Room 206

Q&A Session

Panelists

Bob Duff

Turnaround Planning
Supervisor, CITGO
Petroleum
Corporation



Bob has over 40 years refinery maintenance experience. His previous experience includes streamlining refinery maintenance budgeting and tracking functions and identifying more productive methods to achieve top Solomon performance and organizing CITGO's Corpus Christi Refinery Turnaround Planning Department. Bob holds a BS in Mechanical engineering from Cal Poly.

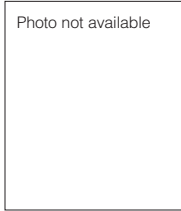
Jim Lanclos

Special Projects
Manager, JV
Industrial
Companies



Jim directs programs for strategic positioning and providing support for JVIC's operations and administration requirements. Jim's has 37 years of experience in the management of multi-industry shutdowns and turnarounds. His background includes ownership and management of specialty companies that operated both on a union and non-union basis. Those companies provided services primarily to the refining industry and included refractory installations, mechanical installations, boilermaker vessel modifications, heavy lifts and turnkey turnaround management and execution.

Billy Linton
Pasadena
Refining System



George Stegner
Manager of
Maintenance and
Reliability, Coffeyville
Resources



George has over 30 years experience in the refining industry, predominantly as a Maintenance Manager. He also has served as a Project Manager and in various engineering positions. He started his career with Exxon in Baton Rouge and worked for Placid Refining and Farmland Industries before joining Coffeyville Resources.

Questions start on page 50.

Concurrent Sessions

8:30 am – 10:00 am

Track 7:
Turnarounds
Room 206

Q&A Session

Questions

Contracting Issues

1. What are you doing to recruit and/or train skilled craftsmen that meet your requirements? Who do you think should be responsible for training the craftsmen? Contractors or owners?
2. How are you complying with the new background checks required by the Department of Homeland Security (e.g. the Transportation Worker Identification Credential)? Do you think these requirements will affect your turnaround schedule?
3. How do you measure turnaround productivity rate? Have you noted any productivity trends over the past several years? Do these trends vary geographically? What factors affect productivity rate?

Cost Control & Project Tracking

4. How do you manage turnaround progress and cost? What data do you use to predict turnaround completion and final costs? For past turnarounds, how accurate were the daily forecasts and what were the key pieces of information that had the most effect on the quality of each forecast?
5. What are you using to capture contractor hours accurately? Have you succeeded in automating the capture and reporting of contractor hours? If yes, what has worked and what were the results?
6. How do you measure delays and non-productive work during turnaround execution? How is this quantified for management review?

Planning/Scheduling

7. What types of Inspection technologies are you using to develop turnaround scope? Is there a best practice for determining the inspection manpower required?
8. How do you respond once you have identified an area where a turnaround is underperforming or large out-of-scope discoveries?
9. Have you succeeded in detailed planning, subsequent execution, and progress reporting of instrumentation and electrical work? If so, what led to this success? Is it worth the effort?

-
-
-
- 10. What information from the turn-around schedule is usually given to the trades foremen?
 - 11. What type of planning process do you use for a turnaround of approximately 40,000 man-hours (e.g. 100 people for three weeks) or less?

Pre/Post-Turnaround Reviews

- 12. Do you use a “step” process for turnaround readiness reviews?
- 13. Is contractor review a part of your post-turnaround review?
- 14. What are your key performance indicators (KPIs) for turnaround performance? How were these KPIs developed?

Friday
May 23, 2008

Q & A Session Notes

Friday
May 23, 2008

Ethics Training

10:15 am – 11:30 am

Room 207A

**The Leader's Role
in Business Ethics**

Laura Vaccaro, Valero Energy

How do you get your company's mission statement "off the walls and into the halls"? Can you define "ethical" and what behaviors you consider ethical or unethical? Is your definition in sync with your company's? This one-hour session will give you guidance on how to conduct yourself ethically in today's industry. This meets the ethics training requirement for PE in Texas and Louisiana.

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Reliability Supervisor
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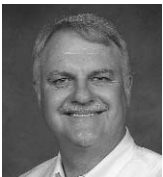
Barry Brodwater

NE Refining Reliability &
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Reginald Bruhn

Reliability Team Leader
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Shell Chemical



Keith Chism

Director - Maintenance &
Reliability
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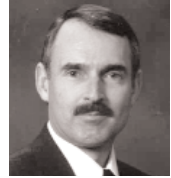
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Ron Engel
Central Maintenance &
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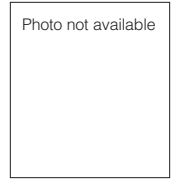
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Manager, Maintenance
and Reliability
Suncor Energy Inc.



John Garrett
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Tim Gaustad
Maintenance Manager
CHS Inc.



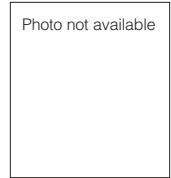
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Global Turnaround Leader
Flint Hills Resources, LP



Thomas Henry
Mechanical Department Manager
TOTAL Petrochemicals USA, Inc.



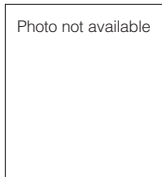
Andy Hett
Planning & Scheduling Supervisor
National Cooperative Refinery
Association



Mark Hudson
Regional Maintenance
Manager
Air Products and
Chemicals, Inc.



Dean Huffman
Americas Reliability Advisor
ExxonMobil Refining & Supply



David Jones
Manager of Turnarounds
and Reliability
Murphy Oil USA, Inc.



Charlie Kerr
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John Kmetz
Corporate Manager - Turnarounds /
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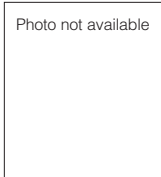
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George Stegner
Manager of Maintenance
and Reliability
Coffeyville Resources LLC



Ted Tolleson
Maintenance and Reliability Leader
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Exhibition Hours

Tuesday, May 20

Reception

5:00 pm – 8:00 pm

Wednesday, May 21

Lunch

11:15 am – 1:00 pm

Reception

4:00 pm – 6:00 pm

Thursday, May 22

Lunch

11:15 am – 1:00 pm

Reception

4:00 pm – 6:00 pm

**Floor Plan on
Inside Back Cover**

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281-721-6600
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alastair.painter@dnv.com

Cust-O-Fab, Inc. – Dynalco

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www.assetweb.com
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www.epoxydesign.com
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gcalvarado@equityeng.com
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ES&H Turnaround Services, Inc. (818)

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Eveready Industrial Services (370)

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Elliott Company – Furmanite America, Inc.

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www.industrialceramics.com
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Booth features video illustrating Industrial
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rdaigle@infinityms.us
www.infinityms.us
Industrial maintenance and construction
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Innovative Turnaround Controls (914)

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InServ-Integrated Service Co. LLC (119)

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Jayne Industries, Inc. (808)

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John Raskob

sales@jayneindustries.com

www.jayneindustries.com

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info@mfg-game.com
www.mfg-game.com
Through an interactive workshop and simulation, The Manufacturing Game introduces a cross functional approach to engage the workforce in equipment reliability through elimination of defects. It employs organizational learning to collapse time and move from reactive to proactive maintenance and operations in order to increase production while reducing outages, waste and high costs.

Mascoat Products (176)

4310 Campbell Road
Houston, TX 77041
713-465-0304
Chad Davis
info@mascoat.com
www.mascoat.com
Mascoat Products, manufacturer of Delta T Marine, Delta~dB, Delta T Industrial and WeatherBloc Insulating Coatings, has been designing, distributing and manufacturing insulating coatings since 1995. It is Mascoat's belief that there is no 'catch-all' insulation, so each coating is made specifically for its intended purpose, whether it be industrial, marine, commercial or residential. As energy consumption accounts for more than 60% of the operating cost of a plant, Mascoat's Delta T Industrial (DTI) can help save a tremendous amount of energy before it is lost.

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281-991-8866
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Amy.Amman@mtl-us.com
www.mtl-us.com
Manufacturers of trays, packing, mist eliminators, reactor internals, consignment hardware and related mass transfer equipment and products.

Mathey Dearman Inc. (374)

P. O. Box 472110
4344 South Maybelle Ave.
Tulsa, OK 74147-2110
918-447-1288
Shannon Fanning
sales@mathey.com
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Matrix Inspection & Engineering (100)

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713-722-7177
John Janzen
jjanzen@irisndt.com
www.matrixie.com
Guide wave (GUL), Tube Inspection, Data Management, AUT.

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10701 East Ute Street
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918-838-8822
DeAnna Starcher
dstarcher@matrixservice.com
www.matrixservice.com
Full service contractor specializing in construction, repair, maintenance, and fabrication services for the refining and petrochemical industries. Services include turnarounds, industrial cleaning, plant maintenance, ASME repairs and modifications, electrical, instrumentation, fabrication and construction.

Mannings USA, Inc. – Metegrity

Maus Italia (166)

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The Woodlands, TX 77287
281-931-8000
Tom Carroll
sales@infinitytradingcompany.com
www.infinitytradingcompany.com
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MB Industries (MBI) (256)

1148 E. Texas Avenue
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Rayne, TX 70578
337-334-1900
Shawn Istre
info@mbindustries.com
www.mbindustries.com
MBI specializes in the design, engineering, and manufacturing of Blast Resistant Buildings for the refining and chemical processing industries. MBI is an ISO 9001:2000 registered company that is devoted to customer service and reliability.

McDonough Construction Rentals, Inc. (720)

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steve.ridout@mcdrentals.net
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713-577-3153
Robert Stein
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www.mcjunkinredman.com
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Franklin, WI 53132
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www.meltric.com
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info@meridium.com
www.meridium.com
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Metegrity (674)

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Darrell Pelletier
dpelletier@metegrity.com
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Bradley Anderson
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www.mobilecal.net
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Joost Ballieux
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www.peinemannequipment.com
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Howard Smith
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PetroChem Inspection Services (911)

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manager@pip.org
www.pip.org
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Pro-Inspect, Inc. (362)

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www.radtorque.com
RAD Pneumatic Torque Tools.

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Mark Howe
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www.ratsonline.com
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Suite 800
Houston, TX 77096-1719
713-667-9162
meg.leachman@sncl.us
www.snclavalin-gds.com
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Solon Manufacturing Co. (272)

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www.spxcooling.com
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519-396-1324
Mary Borrer
sales@superheatfgh.com
www.superheatfgh.com
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www.taper-lok.com
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List of Exhibitors: By Description

TASC (960)

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Seabrook, TX 77586
281-474-3232

Toni Graham
tgraham@tascorp.com
www.tascorp.com

I/E/A Systems and Services, I/E/A Training Services, CEMS/HRVOC Data Acquisition, CEMS & Process analyzer Systems.

Team Industrial Services, Inc. (413)

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Alvin, TX 77511
281-338-5545

Russ McAfee
rmcafee@teamindustrialservices.com
www.teamindustrialservices.com

Team Industrial Services provides industry with onstream leak sealing, hot tapping, line freezing, field machining, heat treating, technical bolting, valve repairs, turn-around services, emissions control (LDAR), NDE/NDT plus inspections, mechanical integrity, and QA programs.

Technip-Coflexip Division (843)

16661 Jacintoport Blvd.
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281-249-2956

Rick Harper
rharper@technip.com
www.technip.com/english/index.html
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TEPSCO (868)

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281-542-2165

David Lumbatis
dlumbatis@tepsco.com
www.tepsco.com
Industrial Construction, Engineering, Maintenance, Cathodic Protection.

TesTex Inc. (149)

535 Old Frankstown Road
Pittsburgh, PA 15239
412-798-8990

Frank Neil
testex-ndt@verizon.net
www.testex-ndt.com

Boiler waterwall scanning, ultra high speed condenser tube inspections, heat exchanger inspections, coal pipe and piping inspections and tank inspections.

Thermal Ceramics (806)

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Augusta, GA 30906
706-796-4200

Scott Davis
tceramics@thermalceramics.com
www.thermalceramics.com
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Thermbond (350)

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Suite 200
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561-330-9300

Ted Hagberg
info@thermbond.com
www.thermbond.com
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Thermo Scientific NITON Analyzers (456)

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978-670-7460

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www.thermo.com/niton
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Bob Viscomi
marketing@safway.com
www.safway.com

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TIC - The Industrial Company (107)

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970-879-2561
Melinda Reed Weber
reedweber@ticus.com
www.tic-inc.com

TIC - The Industrial Company provides a full range of maintenance, general services and small capital improvements to a variety of industrial clients and markets throughout North America.

TIMEC Company, Inc. (401)

2751 East El Presidio Street
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Dan Eskelsen
DanE@timec.com
www.TIMEC.com

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281-484-0554
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bill@totalindserv.com
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Total Safety U.S., Inc. (941)

11111 Highway 225
LaPorte, TX 77571-8701
281-867-2351
Paul Tyree -Johnson
ptyree@totalsafety.com
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Total Safety is the leading provider of integrated safety strategies and the products necessary to support them. Our mission: To ensure the safe well-being of workers worldwide.

Tracerco (301)

4106 New West Drive
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Margaret Bletsch
margaret.bletsch@tracerco.com
www.tracerco.com
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mbobee@turbocare.com
www.turbocare.com
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List of Exhibitors: By Description

The Turnaround Management Co. (807)

17629 El Camino Real
Suite 125
Houston, TX 77058
281-956-5710
David Frinsco
frinsco@tamanagement.com
www.tamanagement.com
TTMC provides project controls support services for turnarounds and capital projects. We apply industry specific processes and tools and integrate with owner/operator systems to provide a more predictable and favorable outcome. Our consulting services include readiness reviews, risk analysis, decontamination planning, estimate development and job audits. We provide training in turnaround best practices and scheduling software packages. We develop and lease turnaround specific software portals for cost management, planning/estimating, scope development and materials management.

Turner Industries Group (519)

8687 United Plaza Blvd.
Baton Rouge, LA 70809
225-214-2472
Tobie Craig
tcraig@turner-industries.com
www.turner-industries.com
Turner Industries Group has provided a single vendor solution in maintenance, construction and industrial services for 50 years. Turner is ranked as one of the nation's top maintenance contractors.

Unifrax I LLC (342)

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Virginia Cantara
info@unifrax.com
www.unifrax.com
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Universal Plant Services, Inc. (255)

801 Georgia Avenue
Deer Park, TX 77536
281-479-6000
Kelli Motley
kmotley@universalplant.com
www.universalplant.com
Universal Plant Services (UPS) is a leading provider of millwright and field machining services to the refining, petrochemical and power generation industries specializing in the maintenance and repair of all type of rotating equipment including steam and gas turbines, compressors and pumps.

Valvtechnologies Inc. (262)

5904 Bingle Road
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713-860-0471
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www.valv.com
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713-307-2150
Nancy Morris
rfi@veoliaes-is.com
www.VeoliaES.com
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#178B
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281-922-5150
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chad@wholesaleradiorental.com
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Wholesale Radio Rental provides intrinsically safe Motorola radios to the petrochemical industry. Shipping worldwide with offices in Louisiana and Texas.

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713-570-2027
Kenny Goodgame
sales@wyattfieldservice.com
www.wyattfieldservice.com
Wyatt provides FCC and other Process Unit Turnaround Services: Pressure Vessel and Storage Tank Construction Repair and Maintenance.

List of Exhibitors: By Description

Young Technical Services – Zimmermann & Jansen, Inc.

Young Technical Services (874)

1054 Florida Street
Memphis, TN 38106
901-774-1150
Brian Blair
bblair@theyounggroup.net
Young Technical Services is a full service Inspection/NDT organization; our specialties include eddy current, remote field testing, and infrared surveys. We are committed to safety, professionalism and quality work for our customers.

Zachry (561)

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Ken Smith
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Zeeco, Inc. (702)

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918-286-0140
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sales@zeeco.com
www.zeeco.com
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Course of Change

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**List of Exhibitors:
Alphabetical by Company**

**A & A Machine &
Fabrication, LLC –
Epoxy Design Systems, Inc.**

Companies listed in bold are recipients of the NPRA Contractor Award for Meritorious Safety Performance for achieving an incident rate of 1.0 or less during calendar year 2007 for job sites with a minimum of 20,000 hours worked in the process areas of the plant.

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Access Plug Flange, Inc.	306
AltairStrickland Group	555
Aztec Bolting Services, Inc.	936
Bolttech Inc.	113
Brand Energy and Infrastructure Services	419
Brock Group	507
Cat Tech	366
CEDA/Catalyst Services	761
Epoxy Design Systems, Inc.	901
Industrial Gunitite, Inc.	300
Industrial Surfacing Corporation	918
Remote Access Technology USA	462
SPX Cooling Technologies	474
TIMEC Company, Inc.	401
Turner Industries Group	519
Veolia ES Industrial Services Inc.	455

Electrical Equipment & Motors: Fabrication, Parts, Services

Cooling Tower Depot, Inc.	125
Mathey Dearman Inc.	374
Meltric Corporation	869
PdMA Corporation	110
Wood Group Field Services	825

Engineering Contractors

ABS Consulting	254
Aptech Engineering	708
BE&K Industrial Services	101
CDI Engineering Solutions	902
CH2M HILL	719
Conam Inspection Inc.	706
Cooling Tower Depot, Inc.	125
Delta Structural Technology	671
The Equity Engineering Group	762
FLUOR Corporation	537
Foster Wheeler USA Corporation	249
Hydro, Inc.	475
InServ-Integrated Service Company	119
Integra Service Technologies	912
Jacobs	837

JV Industrial Companies	343
KBC Advanced Technologies, Inc.	566
KnightHawk Engineering, Inc.	920
KTI Corporation	701
M&H Enterprises, Inc.	961
OnQuest, Inc.	167
SNC-Lavalin GDS, Inc.	725
Taper-Lok Corporation	571
TEPSCO	868
Zachry	561

Environmental Services

AbClean Inc.	275
ABS Consulting	254
AIMM Technologies, Inc.	248
Atlantic Industrial, Inc.	361
CH2M HILL	719
Eveready Industrial Services	370
Industrial Surfacing Corporation	918
Innov-X Systems Inc.	959
KBC Advanced Technologies, Inc.	566
PSC	437
TASC	960
Team Industrial Services, Inc.	413
Tracerco	301
Turner Industries Group	519
Veolia ES Industrial Services Inc.	455

Equipment Rentals

A Box 4 U	143
Atlas Copco Prime Energy	375
Barnhart Crane & Rigging	866
BearCom	930
Bolttech Inc.	113
Brock Group	507
Cooling Tower Depot, Inc.	125
Dehumidification Technologies, Inc.	956
FLUOR Corporation	537
Godwin Pumps	461
Hertz Equipment Rental Corporation	243
Hydratight	905
Industrial Blind Solutions, L.L.C.	122
Integra Service Technologies	912
Kohler Rental Power	872
Mathey Dearman Inc.	374

Contractor: Specialty, Asbestos Abatement, Catalyst Handling, etc. – Gaskets, Packing & Seals

MB Industries (MBI)	256	M.E.A., Inc.	877
McDonough Construction Rentals, Inc.	720	Onis Inc.	354
Peinemann Equipment	947	Ridgeback Company	268
RAD Torque Systems	871	Sulzer Chemtech USA, Inc.	407
Rain for Rent	137	Tracerco	301
RSC Equipment Rental	531		
Service Radio Rentals Inc.	120	Fired Heaters, Furnaces & Boilers:	
SPX Cooling Technologies	474	Fabrication, Parts, Services	
Turner Industries Group	519	AltairStrickland Group	555
Wholesale Radio Rental, Inc.	938	Cetec Ltd.	756
		Eveready Industrial Services	370
Expansion Joints		Foster Wheeler USA Corporation	249
Epoxy Design Systems, Inc.	901	Hason Steel Products Inc.	270
Expansion Joint Systems, Inc.	713	HRI, Inc.	826
Garlock Sealing Technologies	726	InServ-Integrated Service Company	119
HRI, Inc.	826	JV Industrial Companies	343
Senior Flexonics Pathway	724	Koch Specialty Plant Services	513
		KTI Corporation	701
Fabrication Services		Onis Inc.	354
A & A Machine & Fabrication, LLC	206	P.A. Inc.	830
AltairStrickland Group	555	Quest TruTec	201
Boardman, Inc.	302	Sulzer Enpro Inc.	400
CAR-BER Testing Services	467	TesTex Inc.	149
Hahn & Clay	601	TIMEC Company, Inc.	401
InServ-Integrated Service Company	119	Turner Industries Group	519
Integra Service Technologies	912	Veolia ES Industrial Services Inc.	455
Jayne Industries, Inc.	808		
Johnson Screens	776	Flare Systems/Incinerators	
Matrix Service Company	449	Onis Inc.	354
MB Industries (MBI)	256	Tracerco	301
Ohmstede, Ltd.	801	Zeeco, Inc.	702
Pala-Interstate, LLC	906		
Ridgeback Company	268	Gaskets, Packing & Seals	
Team Industrial Services, Inc.	413	Dresser-Rand	402
TEPSCO	868	Flexitallc L.P.	661
TIMEC Company, Inc.	401	Furmanite America, Inc.	155
Turner Industries Group	519	Garlock Sealing Technologies	726
Veolia ES Industrial Services Inc.	455	Lamons Gasket Company	831
		NDT Seals	800
FCCU Equipment Design		Solon Manufacturing Co.	272
BLAC Inc.	131	Taper-Lok Corporation	571
Boardman, Inc.	302	Team Industrial Services, Inc.	413
CB&I	707	TurboCare, Inc.	525
InServ-Integrated Service Company	119		
Koch Specialty Plant Services	513		

List of Exhibitors: By Category

Heat Exchangers: Fabrication, Parts, Services

AltairStrickland Group	555
Aztec Bolting Services, Inc.	936
Barnhart Crane & Rigging	866
CTI Industries, Inc.	700
Curran International, LLC	924
Cust-O-Fab, Inc.	849
Dunn Heat Exchangers	174
EST Group, Inc.	231
Furmanite America, Inc.	155
Hason Steel Products Inc.	270
Integra Service Technologies	912
J.J. White, Inc.	470
JV Industrial Companies	343
Koch Specialty Plant Services	513
Maus Italia	166
Ohmstede, Ltd.	801
Onis Inc.	354
Quest TruTec	201
Rauschert Process Technologies	772
Repcon, Inc.	655
Ridgeback Company	268
Smithco Engineering Inc	274
Sulzer Enpro Inc.	400
Taper-Lok Corporation	571
TesTex Inc.	149
TIMEC Company, Inc.	401
Total Industrial Services	271
Tracerco	301
Turner Industries Group	519
Veolia ES Industrial Services Inc.	455
Wyatt Field Service Company	307

Heat Treating

Cetek Ltd.	756
DuraTherm, Inc.	675
Furmanite America, Inc.	155
Hydratight	905
Mannings USA, Inc.	570
Superheat FGH Services, Inc.	267
Team Industrial Services, Inc.	413

Inspection

Access Plug Flange, Inc.	306
Adhesive Services Company	802
Air Products	607
All Tech Inspection	819

Aptech Engineering	708
Base Line Data, Inc.	854
CAR-BER Testing Services	467
CATSI, Inc.	200
Cetek Ltd.	756
Conam Inspection Inc.	706
Cooling Tower Depot, Inc.	125
Curran International, LLC	924
Eveready Industrial Services	370
Expansion Joint Systems, Inc.	713
FLIR Systems	460
Fox-Tek	862
FTS Inspection and Engineering Services Inc.	870
GE	619
HRI, Inc.	826
Innov-X Systems Inc.	959
Lloyd's Register Capstone, Inc.	124
Matrix Inspection & Engineering	100
Metegrity	674
NDT Seals	800
PetroChem Inspection Services	911
Praxair Inc.	355
Pro-Inspect, Inc.	362
Q.Pro Technical Services	171
Quest TruTec	201
Remote Access Technology USA	462
Robert J. Jenkins & Co.	860
ROSEN	948
Team Industrial Services, Inc.	413
TesTex Inc.	149
Thermo Scientific NITON Analyzers	456
Tracerco	301
TurboCare, Inc.	525
Turner Industries Group	519
Young Technical Services	874

Instrumentation and Process Control

CH2M HILL	719
Conam Inspection Inc.	706
Crane Flow Solutions	575
Emerson Process Management	337
FLIR Systems	460
FLUOR Corporation	537
Fox-Tek	862
Infinity Maintenance Services, LP	208
Innov-X Systems Inc.	959
KBC Advanced Technologies, Inc.	566

Heat Exchangers: Fabrication, Parts, Services – Piping: Fabrication, Parts, Services

Lloyd's Register Capstone, Inc.	124	Brock Group	507
Ludeca, Inc.	202	Cetek Ltd.	756
M.E.A., Inc.	877	Curran International, LLC	924
TASC	960	Epoxy Design Systems, Inc.	901
TIMEC Company, Inc.	401	Hi-Tech Industrial Services, Inc.	754
Tracerco	301	Industrial Gunite, Inc.	300
TurboCare, Inc.	525	International Paint, LLC	266
Windrock Inc.	856	Mascoat Products	176
		Neptune Research, Inc.	950
		PPG Protective & Marine Coatings	260
		Sherwin-Williams	175
		Structural Preservation Systems	855
		Turner Industries Group	519
Lifting Equipment & Aerial Work Platforms		Piping: Fabrication, Parts, Services	
Barnhart Crane & Rigging	866	A & A Machine & Fabrication, LLC	206
Delta Rigging & Tools	775	AEC Design Group	276
FLUOR Corporation	537	AltairStrickland Group	555
Hertz Equipment Rental Corporation	243	Aptech Engineering	708
Specialty Maintenance Products	954	Bonney Forge Corporation	767
Turner Industries Group	519	CAR-BER Testing Services	467
		Crane Flow Solutions	575
Metallurgy & Materials		Curran International, LLC	924
American Alloy Steel	718	EST Group, Inc.	231
The Equity Engineering Group	762	Godwin Pumps	461
KnightHawk Engineering, Inc.	920	Hason Steel Products Inc.	270
Lloyd's Register Capstone, Inc.	124	InduMar Products, Inc.	900
P.A. Inc.	830	Infinity Maintenance Services, LP	208
		InServ-Integrated Service Company	119
		JV Industrial Companies	343
		McJunkin Red Man Corporation	923
		Neptune Research, Inc.	950
		Ohmstede, Ltd.	801
		Onis Inc.	354
		P.A. Inc.	830
		Pala-Interstate, LLC	906
		Rain for Rent	137
		Repcon, Inc.	655
		Taper-Lok Corporation	571
		Team Industrial Services, Inc.	413
		Technip-Coflexip Division	843
		TIMEC Company, Inc.	401
		Total Industrial Services	271
		Tracerco	301
		Turner Industries Group	519
		Veolia ES Industrial Services Inc.	455
		Wyatt Field Service Company	307
Painting, Coatings & Fireproofing			
A and L Industrial Services, Inc.	154		
Adhesive Services Company	802		
AltairStrickland Group	555		
Atlantic Industrial, Inc.	361		
Brand Energy and Infrastructure Services	419		

List of Exhibitors: By Category

Process Gas Suppliers

Air Products	607
Sulzer Chemtech USA, Inc.	407

Process Vessels & Columns: Fabrication, Parts, Services

A & A Machine & Fabrication, LLC	206
ACS Industries, LP	666
AltairStrickland Group	555
AMISTCO Separation Products, Inc.	161
Aptech Engineering	708
Aztec Bolting Services, Inc.	936
Boardman, Inc.	302
Cust-O-Fab, Inc.	849
JV Industrial Companies	343
Koch Specialty Plant Services	513
Mass Transfer Limited	955
NDT Seals	800
Ohmstede, Ltd.	801
Onis Inc.	354
P.A. Inc.	830
Pala-Interstate, LLC	906
Petrochem Field Services	348
Quest TruTec	201
Raschig-Jaeger Technologies	261
Rauschert Process Technologies	772
Repcon, Inc.	655
Ridgeback Company	268
SPX Cooling Technologies	474
Taper-Lok Corporation	571
Team Industrial Services, Inc.	413
TesTex Inc.	149
Tracerco	301
Turner Industries Group	519
Veolia ES Industrial Services Inc.	455
Wyatt Field Service Company	307

Refractory & Insulation: Material, Repair, Services

A and L Industrial Services, Inc.	154
AltairStrickland Group	555
Aspen Aerogels	873
Atlantic Industrial, Inc.	361
Blasch Precision Ceramics Inc.	148
Brand Energy and Infrastructure Services	419
Brock Group	507
Cetec Ltd.	756

Conam Inspection Inc.	706
Epoxy Design Systems, Inc.	901
Furmanite America, Inc.	155
Hi-Tech Industrial Services, Inc.	754
Hotwork-USA	308
Industrial Ceramics Ltd.	332
Industrial Gunite, Inc.	300
InServ-Integrated Service Company	119
Jayne Industries, Inc.	808
Mascoat Products	176
NDT Seals	800
Neptune Research, Inc.	950
Resco Products, Inc.	330
Robert J. Jenkins & Co.	860
Team Industrial Services, Inc.	413
Thermal Ceramics	806
Thermbond	350
Unifrax I LLC	342

Reliability, Availability

ABB	824
ABS Consulting	254
Air Products	607
Aptech Engineering	708
BE&K Industrial Services	101
Bently Pressurized Bearing Company	908
CH2M HILL	719
Design Maintenance Systems Inc.	926
Det Norske Veritas (USA) Inc.	755
DuPont™ Vespel®	360
Dynalco	933
Emerson Process Management	337
The Equity Engineering Group	762
FLUOR Corporation	537
Fox-Tek	862
GE	619
Jacobs	837
KBC Advanced Technologies, Inc.	566
Lloyd's Register Capstone, Inc.	124
Lubrication Systems Company	207
Ludeca, Inc.	202
M&H Enterprises, Inc.	961
The Manufacturing Game	454
Matrix Inspection & Engineering	100
MB Industries (MBI)	256
Metegrity	674
Q.Pro Technical Services	171
Quest TruTec	201

Process Gas Suppliers – Scaffolding

Taper-Lok Corporation	571	Safety Products and Services	
TEPSCO	868	A Box 4 U	143
TIMEC Company, Inc.	401	ABS Consulting	254
Total Industrial Services	271	AEC Design Group	276
Tracerco	301	Air Products	607
TurboCare, Inc.	525	Auburn Manufacturing, Inc.	935
Windrock Inc.	856	Brady Corp.	164
Wood Group Field Services	825	Brand Energy and Infrastructure	
Zachry	561	Services	419
		Campbell Fittings, Inc	574
Rotating Equipment & Compressors:		CAR-BER Testing Services	467
Fabrication, Parts, Services		ES&H Turnaround Services, Inc.	818
A & A Machine & Fabrication, LLC	206	EST Group, Inc.	231
Alltite, Inc.	962	HRI, Inc.	826
Aztec Bolting Services, Inc.	936	InduMar Products, Inc.	900
Bently Pressurized Bearing Company	908	Innov-X Systems Inc.	959
Burckhardt Compression	944	InServ-Integrated Service Company	119
Dresser-Rand	402	MB Industries (MBI)	256
DuPont(tm) Vespel(R)	360	MobileCal	158
Elliott Company	312	MOST	861
FLUOR Corporation	537	Neptune Research, Inc.	950
Foster Wheeler USA Corporation	249	Oilind Safety	814
GE	619	Onis Inc.	354
Godwin Pumps	461	Remote Access Technology USA	462
Houston Dynamic Service, Inc.	152	Smart-Hose Technologies	875
Integra Service Technologies	912	Specialty Maintenance Products	954
MobileCal	158	Technip-Coflexip Division	843
Standard Alloys	820	TIMEC Company, Inc.	401
Structural Preservation Systems	855	Total Safety U.S., Inc.	941
Sulzer Enpro Inc.	400	Tracerco	301
Total Industrial Services	271	Wilson Bohannan Padlock Co.	876
TurboCare, Inc.	525		
Universal Plant Services, Inc.	255	Scaffolding	
Wood Group Field Services	825	A and L Industrial Services, Inc.	154
		Atlantic Industrial, Inc.	361
Rotating Equipment: Monitoring		Brand Energy and Infrastructure	
Bently Pressurized Bearing Company	908	Services	419
Design Maintenance Systems Inc.	926	Brock Group	507
Dresser-Rand	402	Hi-Tech Industrial Services, Inc.	754
Emerson Process Management	337	Industrial Gunite, Inc.	300
GE	619	JV Industrial Companies	343
KBC Advanced Technologies, Inc.	566	Patent Plant Services /	
KnightHawk Engineering, Inc.	920	Harsco Corporation	250
Ludeca, Inc.	202	STARCON	237
TurboCare, Inc.	525	ThyssenKrupp Safway, Inc	813
Windrock Inc.	856	TIMEC Company, Inc.	401
		Turner Industries Group	519

List of Exhibitors: By Category

Specialty Process Equipment

ACS Industries, LP	666
Brand Energy and Infrastructure Services	419
Johnson Screens	776
Koch Specialty Plant Services	513
Mathey Dearman Inc.	374
Ohmstede, Ltd.	801
Raschig-Jaeger Technologies	261
Ridgeback Company	268
Sulzer Chemtech USA, Inc.	407
Taper-Lok Corporation	571
Tracerco	301

Steam Systems

Campbell Fittings, Inc	574
Taper-Lok Corporation	571
TurboCare, Inc.	525

Tanks: Fabrication, Parts, Services

A & A Machine & Fabrication, LLC	206
Access Plug Flange, Inc.	306
Air Products	607
AltairStrickland Group	555
Base Line Data, Inc.	854
Boardman, Inc.	302
Brand Energy and Infrastructure Services	419
Curran International, LLC	924
Eveready Industrial Services	370
Hason Steel Products Inc.	270
HMT Inc.	314
InduMar Products, Inc.	900
InServ-Integrated Service Company	119
J.J. White, Inc.	470
Jayne Industries, Inc.	808
Matrix Service Company	449
NDT Seals	800
P.A. Inc.	830
Pala-Interstate, LLC	906
Q.Pro Technical Services	171
Rain for Rent	137
Repcon, Inc.	655
Ridgeback Company	268
Team Industrial Services, Inc.	413

Technip-Coflexip Division	843
TesTex Inc.	149
TIMEC Company, Inc.	401
Tracerco	301
Turner Industries Group	519
United Laboratories International LLC	425
Veolia ES Industrial Services Inc.	455

Tools & Specialty Repair Equipment

Alltite, Inc.	962
Aztec Bolting Services, Inc.	936
Bolttech Inc.	113
Delta Rigging & Tools	775
EST Group, Inc.	231
Furmanite America, Inc.	155
Hertz Equipment Rental Corporation	243
InduMar Products, Inc.	900
Integra Service Technologies	912
Mathey Dearman Inc.	374
MobileCal	158
Neptune Research, Inc.	950
Peinemann Equipment	947
Specialty Maintenance Products	954
Taper-Lok Corporation	571
Team Industrial Services, Inc.	413
Total Industrial Services	271

Valves & Actuators: Fabrication, Parts, Services

Alltite, Inc.	962
Babbitt Steam Specialty Co.	106
Bonney Forge Corporation	767
Cameron Valves & Measurement	774
Crane Flow Solutions	575
DeltaValve	549
Dresser-Rand	402
DSI Valve	953
Kitz Corporation of America	832
M.E.A., Inc.	877
McJunkin Red Man Corporation	923
MOGAS Industries, Inc.	917
North American Safety Valve	172
Onis Inc.	354
REMOSA - UNITED VALVE	670
TapcoEnpro International	543

Specialty Process Equipment – Warehousing & Material Handling

Taper-Lok Corporation	571
Team Industrial Services, Inc.	413
TurboCare, Inc.	525
Valvetechnologies Inc.	262
Velan Valve	371
Zimmermann & Jansen, Inc.	408

Warehousing & Material Handling

CH2M HILL	719
FLUOR Corporation	537
Hertz Equipment Rental Corporation	243
Jacobs	837
TIMEC Company, Inc.	401
Turner Industries Group	519

List of Exhibitors: By Booth Number

100	Matrix Inspection & Engineering	237	STARCON
101	BE&K Industrial Services	243	Hertz Equipment Rental Corp.
104	Project Assurance	248	AIMM Technologies, Inc.
106	Babbitt Steam Specialty Co.	249	Foster Wheeler USA Corporation
107	TIC - The Industrial Company	250	Patent Plant Services / Harsco Corporation
110	PdMA Corporation	254	ABS Consulting
113	Bolttech Inc.	255	Universal Plant Services, Inc.
119	InServ-Integrated Service Company LLC	256	MB Industries (MBI)
120	Service Radio Rentals Inc.	260	PPG Protective & Marine Coatings
122	Industrial Blind Solutions, L.L.C.	261	Raschig-Jaeger Technologies
124	Lloyd's Register Capstone, Inc.	262	Valvtechnologies Inc.
125	Cooling Tower Depot, Inc.	266	International Paint, LLC
131	BLAC Inc.	267	Superheat FGH Services, Inc.
137	Rain for Rent	268	Ridgeback Company
143	A Box 4 U	270	Hason Steel Products Inc.
144	Ind-Viro Search	271	Total Industrial Services
148	Blasch Precision Ceramics Inc.	272	Solon Manufacturing Co.
149	TesTex Inc.	274	Smithco Engineering Inc
152	Houston Dynamic Service, Inc.	275	AbClean Inc.
154	A and L Industrial Services, Inc.	276	AEC Design Group
155	Furmanite America, Inc.	300	Industrial Gunite, Inc.
158	MobileCal	301	Tracerco
160	RuggedCycles	302	Boardman, Inc.
161	AMISTCO Separation Products, Inc.	306	Access Plug Flange, Inc.
164	Brady Corp.	307	Wyatt Field Service Company
166	Maus Italia	308	Hotwork-USA
167	OnQuest, Inc.	312	Elliott Company
170	Process Industry Practices	314	HMT Inc.
171	Q.Pro Technical Services	330	Resco Products, Inc.
172	North American Safety Valve	332	Industrial Ceramics Ltd.
174	Dunn Heat Exchangers	337	Emerson Process Management
175	Sherwin-Williams	342	Unifrax I LLC
176	Mascoat Products	343	JV Industrial Companies
200	CATSI, Inc.	344	Conex International Corporation
201	Quest TruTec	348	Petrochem Field Services
202	Ludeca, Inc.	350	Thermbond
206	A & A Machine & Fabrication, LLC	354	Onis Inc.
207	Lubrication Systems Company	355	Praxair Inc.
208	Infinity Maintenance Services, LP	356	Delta Tech Service Inc.
213	T.D. Williamson, Inc.	360	DuPont™ Vespel®
231	EST Group, Inc.	361	Atlantic Industrial, Inc.

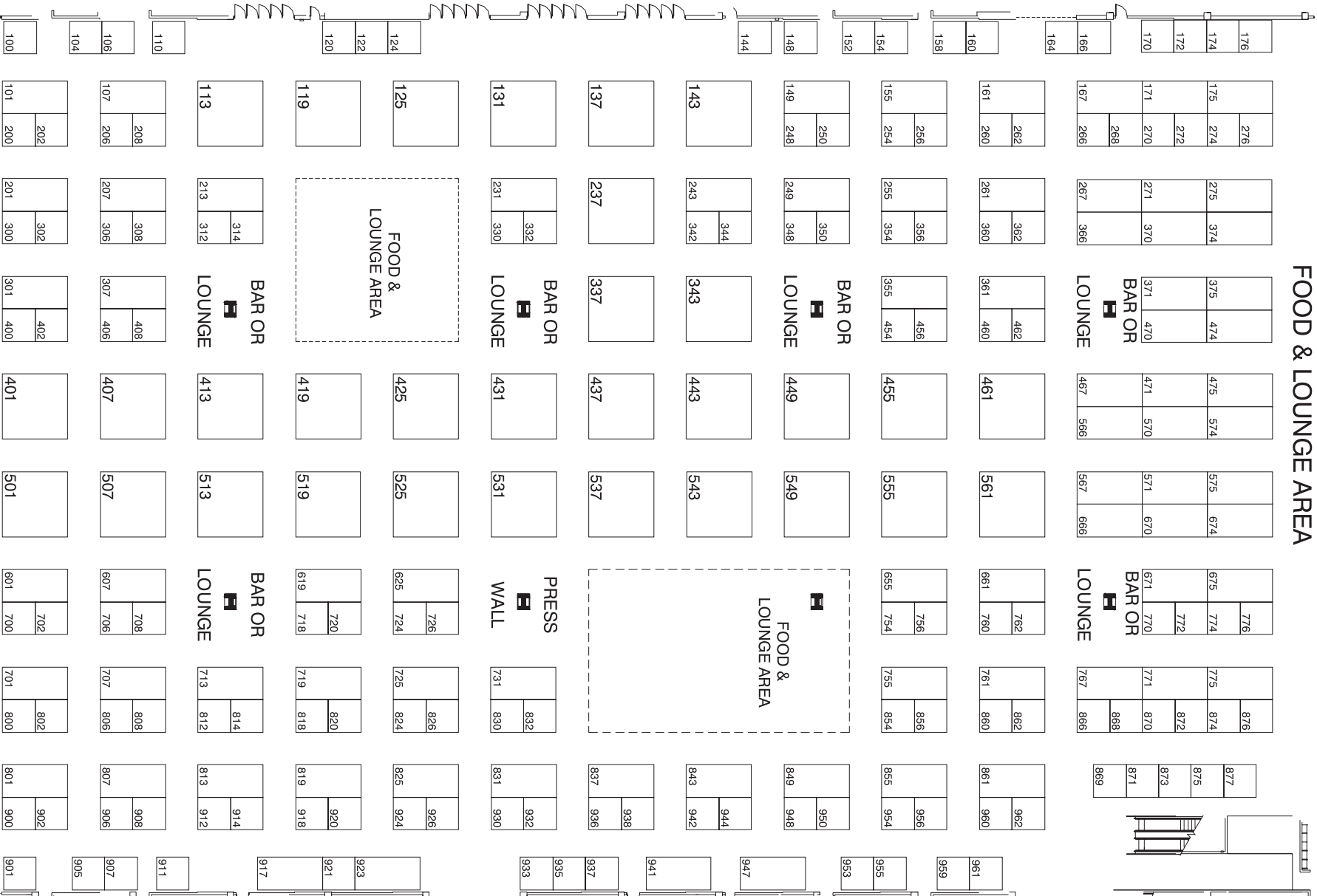
362 Pro-Inspect, Inc.	555 AltairStrickland Group
366 Cat Tech	561 Zachry
370 Eveready Industrial Services	566 KBC Advanced Technologies, Inc.
371 Velan Valve	567 Meridium Inc.
374 Mathey Dearman Inc.	570 Mannings USA, Inc.
375 Atlas Copco Prime Energy	571 Taper-Lok Corporation
400 Sulzer Enpro Inc.	574 Campbell Fittings, Inc
401 TIMEC Company, Inc.	575 Crane Flow Solutions
402 Dresser-Rand	601 Hahn & Clay
406 Reliability Management Group	607 Air Products
407 Sulzer Chemtech USA, Inc.	619 GE
408 Zimmermann & Jansen, Inc.	625 Nooter Construction Company
413 Team Industrial Services, Inc.	655 Repcon, Inc.
419 Brand Energy and Infrastructure Services	661 Flexitallic L.P.
425 United Laboratories International LLC	666 ACS Industries, LP
431 The Mundy Companies	670 REMOSA - UNITED VALVE
437 PSC	671 Delta Structural Technology
443 Rentech Boiler Services, Inc.	674 Metegrity
449 Matrix Service Company	675 DuraTherm, Inc.
454 The Manufacturing Game	700 CTI Industries, Inc.
455 Veolia ES Industrial Services Inc.	701 KTI Corporation
456 Thermo Scientific NITON Analyzers	702 Zeeco, Inc.
460 FLIR Systems	706 Conam Inspection Inc.
461 Godwin Pumps	707 CB&I
462 Remote Access Technology USA	708 Aptech Engineering
467 CAR-BER Testing Services	713 Expansion Joint Systems, Inc.
470 J.J. White, Inc.	718 American Alloy Steel
471 Baker Petrolite Corporation	719 CH2M HILL
474 SPX Cooling Technologies	720 McDonough Construction Rentals, Inc.
475 Hydro, Inc.	724 Senior Flexonics Pathway
501 Austin Industrial, Inc.	725 SNC-Lavalin GDS, Inc.
507 Brock Group	726 Garlock Sealing Technologies
513 Koch Specialty Plant Services	731 Royal Purple, Inc.
519 Turner Industries Group	754 Hi-Tech Industrial Services, Inc.
525 TurboCare, Inc.	755 Det Norske Veritas (USA) Inc.
531 RSC Equipment Rental	756 Cetek Ltd.
537 FLUOR Corporation	760 Stress Engineering Services
543 TapcoEnpro International	761 CEDA/Catalyst Services
549 DeltaValve	762 The Equity Engineering Group
	767 Bonney Forge Corporation
	770 DeAngelo Brothers, Inc.

List of Exhibitors: By Booth Number

771 Apex Engineering Products Corporation	876 Wilson Bohannan Padlock Co.
772 Rauschert Process Technologies	877 M.E.A., Inc.
774 Cameron Valves & Measurement	900 InduMar Products, Inc.
775 Delta Rigging & Tools	901 Epoxy Design Systems, Inc.
776 Johnson Screens	902 CDI Engineering Solutions
800 NDT Seals	905 Hydratight
801 Ohmstede, Ltd.	906 Pala-Interstate, LLC
802 Adhesive Services Company	907 InterPlan Systems Inc.
806 Thermal Ceramics	908 Bently Pressurized Bearing Company
807 The Turnaround Management Co.	911 PetroChem Inspection Services
808 Jayne Industries, Inc.	912 Integra Service Technologies
812 INOVx	914 Innovative Turnaround Controls
813 ThyssenKrupp Safway, Inc	917 MOGAS Industries, Inc.
814 Oilind Safety	918 Industrial Surfacing Corporation
818 ES&H Turnaround Services, Inc.	920 KnightHawk Engineering, Inc.
819 All Tech Inspection	921 Asset Performance Networks
820 Standard Alloys	923 McJunkin Red Man Corporation
824 ABB	924 Curran International, LLC
825 Wood Group Field Services	926 Design Maintenance Systems Inc.
826 HRI, Inc.	930 BearCom
830 P.A. Inc.	932 Work Technology Corporation
831 Lamons Gasket Company	933 Dynalco
832 Kitz Corporation of America	935 Auburn Manufacturing, Inc.
837 Jacobs	936 Aztec Bolting Services, Inc.
843 Technip-Coflexip Division	937 Advanced Reliability Technologies, LLC
849 Cust-O-Fab, Inc.	938 Wholesale Radio Rental, Inc.
854 Base Line Data, Inc.	941 Total Safety U.S., Inc.
855 Structural Preservation Systems	942 Cudd Energy Services
856 Windrock Inc.	944 Burckhardt Compression
860 Robert J. Jenkins & Co.	947 Peinemann Equipment
861 MOST	948 ROSEN
862 Fox-Tek	950 Neptune Research, Inc.
866 Barnhart Crane & Rigging	953 DSI Valve
868 TEPSCO	954 Specialty Maintenance Products
869 Meltric Corporation	955 Mass Transfer Limited
870 FTS Inspection and Engineering Services Inc.	956 Dehumidification Technologies, Inc.
871 RAD Torque Systems	959 Innov-X Systems Inc.
872 Kohler Rental Power	960 TASC
873 Aspen Aerogels	961 M&H Enterprises, Inc.
874 Young Technical Services	962 Alltite, Inc.
875 Smart-Hose Technologies	

Floor Plan

FOOD & LOUNGE AREA



Exhibition Hours

Tuesday, May 20
 Reception
 5:00 pm – 8:00 pm

Wednesday, May 21
 Lunch
 11:15 am – 1:00 pm

Reception
 4:00 pm – 6:00 pm

Thursday, May 22
 Lunch
 11:15 am – 1:00 pm

Reception
 4:00 pm – 6:00 pm



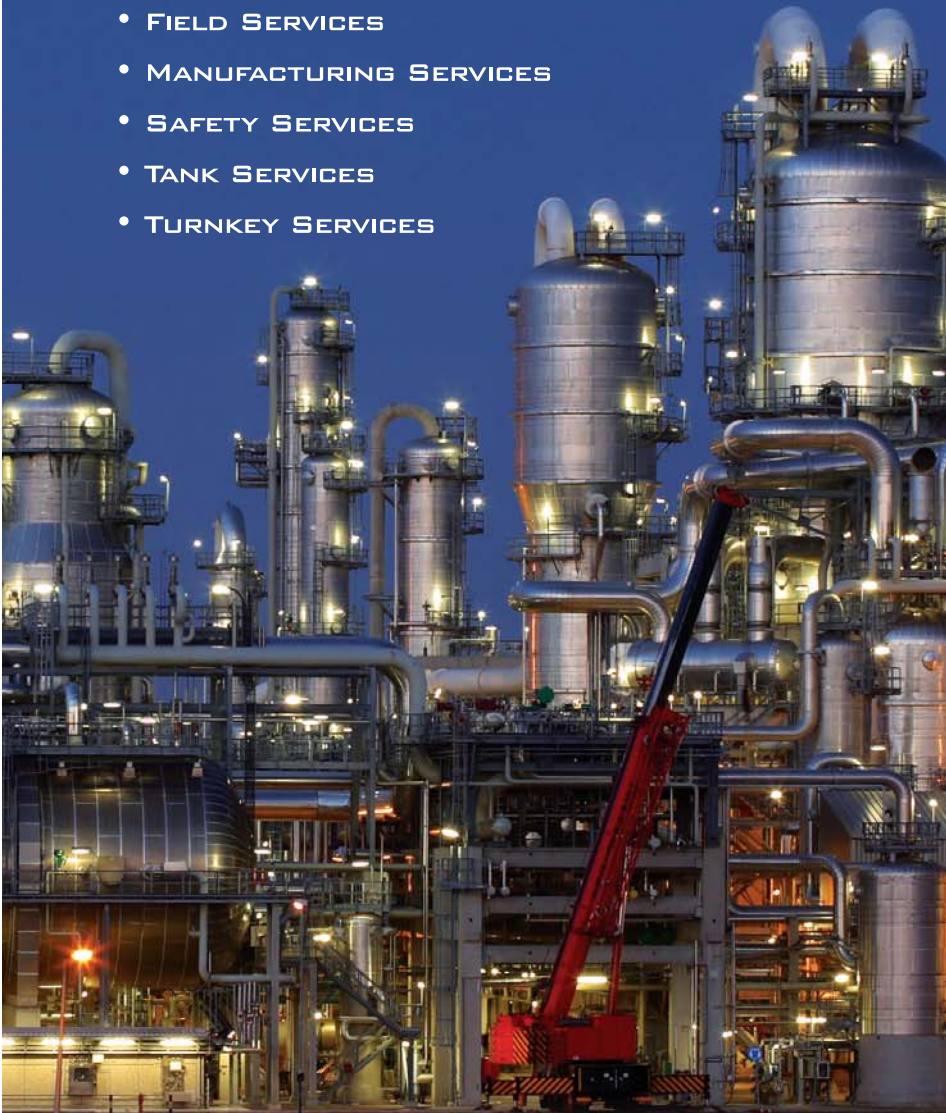
INSERV

INTEGRATED SERVICE COMPANY LLC



A WILLBROS COMPANY

- CONSTRUCTION SERVICES
- FIELD SERVICES
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