6th Annual
Fleming.
CONERENCE

Shutdown & Turnaround Technical Forum

16 - 17 November 2016
Inntel Hotel Rotterdam Centre
Netherlands
Dear participants

It is my pleasure to welcome you to the 6th Annual Shutdown & Turnaround Technical Forum in Rotterdam. I have been a real pleasure working on this project and we are confident in the years to come this event will grow to establish itself in the industry like many of our events.

I trust you will all leave here having learned something new and having met valuable contacts.

I trust you will all enjoy the conference and your time in Rotterdam. If you have comments and questions feel free to approach me at any time.

Matej Boda
Explore the city you are in!

Rotterdam is home to over 160 nationalities, the busiest port in Europe and some of the most renowned modern architecture in the world. Be sure to visit the Markthal, the cube houses by Piet Blom and the iconic Erasmus Bridge.
See you at the registration desk

My name is Tatiana Nebusova and together with the conference producer, I will be assisting you throughout the whole event. See you at the registration desk

Tatiana Nebusova

Read below for some useful instructions

Please wear your name tags, it will help you identify fellow delegates and help staff to identify you.

Coffee breaks will be served in the meeting room foyer and lunches in the hotel restaurant. For any dietary requirements, inform me at the registration desk.

Please do not be late after breaks as we have a very intensive program.

You will have a space to ask any questions after the presentation or use the sli.do application to do so.

During the sessions keep your mobile phone on silent mode.

Do not forget to fill in the evaluation forms and return them to the registration desk as they are a great help for our future work.
JOIN THE CONFERENCE APP

Go to www.slido.com and insert code: #STAForum.

ASK QUESTIONS & ANSWER POLLS

Your questions and votes will appear in real-time on an interactive wall.

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Day 1
16 November 2016

8:30  Registration

9:00  Welcome note from the conference producer and Fleming, & opening remarks from the chairman

9:10  Base for a common understanding: Evonik’s Shutdown Process. Resulting in the following:
  • Base for a common understanding: Evonik’s Shutdown Process. Resulting in the following:
  • Resources in Shutdowns are scarce, question is "which"?
  • How to accomplish a superordinate communication (within Production Sites, Business Units, region- or nationwide) process?
  • Business first, what sensible objectives remain for the Shutdown itself

  Dr. Tobias Laiblin, Evonik Technology & Infrastructure, Germany
  Head of Projects, Shutdowns & Construction

9:50  Turnaround – An Operations Perspective
  • Early involvement of operations
  • Operations resource management & task planning
  • Operations role in TA Planning
    i. Shutdown
    ii. Start up
    iii. Isolation management
    iv. Intelligent split
  • Communication between the TA team & operations

  Erwin Dieterich, Covestro, Germany, Plant Manager

11:45  Large turnarounds, the contractor’s perspective
  • Ponticelli Group over the decades
  • The Turnarounds for Ponticelli
  • A different Contractor perspective

  Chérif Tabet, Ponticelli, France
  Deputy Director, Products Line O&G Downstream

12:15  Luncheon

13:15  ROUND TABLE DISCUSSIONS
  Planning stage
  • What does an effective plan look like?
  • Identifying, categorising & prioritising tasks
  Contracting strategies
  • How to achieve effective communication
  • On-site coordination between teams
  • Common issues

14:00  Top 5 things I may have known as an outage manager, but never really exploited
  • How combining technology, knowledge and different work practices help reduce risk, lead time and cost whilst increasing safety
  • A perspective from both the customer and supply side

  Julian Annison, Emerson Process Management, UK, Principal Industry Consultant

14:30  Afternoon coffee break

10:30  Morning coffee break

11:00  Resource management
  • Defining TAR scope
  • Using internal person ell most effectively
  • Sourcing external staff

  Markus Saarinen, Borealis, Finland
  Turnaround Manager, PA&T Porvoo

“Great overview about SD/TA experiences form several industries and cultures. “
Tobias Laiblin, Evonik, Germany

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DAY 1
16 November 2016

15:00 Repairs on heavy wall pressure vessels by improved field welding technology – Contractor management for accurate cost control
• Need for Planning and preparation to ensure long term repair
• Reparation of vessels for high-temperature, high-pressure hydrogen service
• Consideration for welding following practice API-934
• Project planning and repair qualification process
• Logistics Rapid mobilization Strategy: Schedule Integration - Importance, skills and challenges
• Automatic welding process for extremely high quality mechanical properties
• Joint consideration for improving project schedule
• Project Result

Dr.-Ing Yelena Rojas, AZZ, Netherands
Sales Director - Europe

15:30 PANEL DISCUSSION: Risk based integrity assessment to reduce work during turnarounds & shutdowns

PANELISTS:
Dr. Tobias Laiblin, Evonik Technology & Infrastructure, Germany, Head of Projects, Shutdowns & Construction
Ralph Postma, TOTAL, France
Turnaround Manager
Cromwell Cuvalay, Tata Steel, Netherlands
Shutdowns Manager

16:15 Closing remarks from the chairman

16:30 Evening drinks reception

“Very interesting and useful 2 days meeting opportunity to share experience is priceless!”

Maurizio Tamburri, Totalerg, Italy
9:00 Opening remarks from the chairman
Dr. Tobias Laiblin, Evonik Technology & Infrastructure, Germany, Head of Projects, Shutdowns & Construction

9:05 Turnaround planning (the truth)
• Industry performance trends (safety, cost and schedule)
• Accurate turnaround scope prediction
• Compliance and Assurance
• Cost benefits
Leon van Hout, AP Networks, Netherlands
Senior Consultant

9:45 Information Integrity: The basis for a safe and successful turnaround
• Intergraph: Provider of managed plant information
• The value of factual, validated and easy accessible plant information: Up-to-date plant information prevents cost and schedule overruns.
• Trustworthy information supports safer turnaround processes
Hans Kouwer, Intergraph, Netherlands
Business Development Consultant EMIA

10:15 Morning coffee break

10:40 Application of the technical standard for Shutdowns at Evonik - Experiences from its application to SDs at the power station No. I, Blocks 4+5 in Chemiepark Marl
• Introduction of TI-VO-AT and its power plants at Chemiepark Marl
• Our technical standard for shutdowns @ Evonik
• Application to shutdown of block 4 in all phases of our SD-Management
• Key issues and lessons learned, next steps
Dr. Sascha Grünbeck, Evonik Technology & Infrastructure, Germany, Plant Engineer and Shutdown Manager for Power Station No. I at Chemiepark Marl

11:00 Dynamic scheduling for TAR
• STO projects vs. CapEx projects - What makes the difference!
• Agile STO-scheduling with „float based prioritization“
• The preconditions to use dynamic scheduling methods
• It’s not just a THEORY... a real world example
• Summary
Björn Zubel, EP-CM, Germany, Manager Operation / Senior TAR-Management Consultant

11:30 Preparing for multiple Shutdowns
• Managing three major and several smaller shutdowns in 2017
• Managing limited resources
• How to organise:
  i. Scoping
  ii. Scheduling
  iii. Safety
  iv. Quality
• Ensuring alignment
Bart Muller, Air Products, Netherlands
BENELUX Maintenance Manager

12:00 Improved Flange Management at Neste Netherlands – Rotterdam
• Reason for Improvement
• Tag numbering of flanged connections based on 3D-model
• Flange Management Manual
• Calculation of torque values based on EN-1591-1
• Training and Competence Assessment of Flange Technicians
• Flange Management Application (FMA)
• TA2016 experiences
• Application of Rotabolts
• Conclusions and Recommendations
Taeke Venema, Neste, Netherlands, Turnaround QAQC Manager

12:30 Luncheon
14:00 Refinery Turnaround (TAR) preparation time halved by integrating all data needed into one place accessible by all
• Updating the plant’s IT landscape
• Dealing with the ERP system
• Eliminating paperwork / switching to tablets and PDAs
• What results / benefits were realised?

Henk van der Meer, BP Refinery Rotterdam
BPPR, Netherlands, Team leader Events (TAR/ Outages/TTAR/CUI)

14:45 Practical Flange Assembly Competency Test
• Blind spot with respect to the importance of flange integrity compared to weld integrity
• Training & requirements for bolting technicians and quality assurance & quality control (inspection) for flanges compared to welders and welds
• Competency testing of bolting technicians, in line with the test weld for welders
• Improvement initiatives to increase the flange integrity during turnarounds

Peter Dijkgraaf, Dijkgraaf-Support B.V.,
Netherlands, Consultant & Trainer

15:30 Risk management for Turnaround planning
• The risk management process
• What if the risk cannot be mitigated?
• Always account for emergent work

Alain van Riet, ATPC Terminal N.V. (VTTI Group),
Belgium, Technical Manager

16:00 A systems approach to STO

Tom Lenahan, United Kingdom, Author,
Professional Speaker & Workshop Facilitator

16:30 Closing remarks from the chairman
End of conference
Outcomes
On completion of the workshop attendees should be able to:

- Understand the basic principles of the systems approach and how it applies to STO Events
- Identify the triggers and levers that influence STO performance
- Recognize the importance of data management to STO performance
- Take effective action to maximize STO performance.
- Use “costs” to drive STO effectiveness

9:00 **MODULE 1: The systems approach to STO**

**Exercise 1**
Identifying the top ten STO shortcomings. (What are the things that make you grind you teeth in frustration – keep you awake at night - or make life difficult)
- The power of cause and effect (why things happen the way they do)
- The issue of Complexity (coping with many different elements)
- Connectivity (the subtle influence of cause and effect)
- Emergent Properties (how do you predict the unpredictable)
- Feedback (use what you already know to figure out what you need to know)

10:30 Coffee break

11:00 **MODULE 2: A systems approach to STO planning**
- Justification (why do we do STO events the way we do?)
- Workscope Strategy (what constitutes an effective workscope?)
- Planning individual jobs (is this way the best way?)
- Scheduling (to organize or minimize, that is the question)
- Work control (are we doing what we said we would do)

12:30 Luncheon

13:00 **MODULE 3: A Systems Approach To STO costs**
- The Purpose of business (the ultimate product)
- Total Business Impact (interconnected costs)
- Rational Cost Model (collect the data – use the data)
- Cost Control? (Money doesn’t spend itself)
- Cost Reduction (looking at 10 strategies)

15:00 Coffee break

15:30 **MODULE 4: A systems approach to skill**
- Defining work (roles and responsibilities)
- Exploring the Skill Stack (from mundane to critical)
- Division of Labour (lowest acceptable skill level)
- The contracting Dimension (what do you want – what do you get)
- Designing the STO Organization

**Exercise 2**
Identifying the top 10 solutions (What are the actions you can take on your next STO to increase your chances of success – what do you want to be: adequate > good > very good > excellent?)
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Norbert Bozoky
Manager - In-house Trainings
Bratislava, Slovakia
norbert.bozoky@fleming.events
T: +421 257 272 124
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- Early involvement of operations
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*Erwin Dieterich, Covestro, Germany, Plant Manager*
**DAY 1**

**11:00**  **Resource management**
- Defining TAR scope
- Using internal personnel most effectively
- Sourcing external staff

_Markus Saarinen, Borealis, Finland, Turnaround Manager, PA&T Porvoo_
DAY 1

11:45 **Large turnarounds, the contractor’s perspective**
- Ponticelli Group over the decades
- The Turnarounds for Ponticelli
- A different Contractor perspective

**Chérif Tabet**, **Ponticelli, France**, **Deputy Director, Products Line O&G Downstream**

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**Fleming. TIP**

Shake your head slowly, yes and no. You might as well amuse yourself while you do it in order to relax even further. Ask yourself silly questions: "Is your boss an idiot?" Move your head up and down, "Yes, yes, yes." Side to side: "No. No. No."
13:15  **ROUND TABLE DISCUSSIONS**

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- What does an effective plan look like?
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**Contracting strategies**
- How to achieve effective communication
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   • A perspective from both the customer and supply side

   Julian Annison, Emerson Process Management, UK, Principal Industry Consultant

Fleming. TIP

Stretch your back with a “big hug”
Hug your body, placing the right hand on your left shoulder and the left hand on your right
shoulder. Breathe in and out, releasing the area between your shoulder blades.
D AY 1

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**Ralph Postma,** TOTAL, France, Turnaround Manager

**Cromwell Cuvalay,** Tata Steel, Netherlands, Shutdowns Manager
9:05  **Turnaround planning (the truth)**

- Industry performance trends (safety, cost and schedule)
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  • What if the risk cannot be mitigated?
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  Alain van Riet, ATPC Terminal N.V. (VTTI Group), Belgium, Technical Manager
D A Y 2

16:00  A systems approach to STO

Tom Lenahan, United Kingdom, Author, Professional Speaker & Workshop Facilitator
9:00 **MODULE 1: The systems approach to STO**

**Exercise 1**
Identifying the top ten STO shortcomings. (What are the things that make you grind you teeth in frustration – keep you awake at night - or make life difficult)

- The power of cause and effect (why things happen the way they do)
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DAY 3

11:00 **MODULE 2: A systems approach to STO planning**
- Justification (why do we do STO events the way we do?)
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Identifying the top 10 solutions (What are the actions you can take on your next STO to increase your chances of success – what do you want to be: adequate > good > very good > excellent?)
Mr. Laiblin (1971) has been involved in project management all his professional life. Since 2012 he is Head of the department “Projects,Shutdowns and Construction” within the Technical Service of Business Unit Site Services of Evonik Industries AG at their Marl Site in Germany. He is leading a company-wide group of experts for shutdown and turnaround management.

Mr. Laiblin studied Chemical and Energy Engineering at the Technical University of Berlin, did a PhD in Thermodynamics and started working in the chemical industry (at degussa. Company, now Evonik Industries) right after he got his degree. He was working as project manager, construction manager and shutdown manager for more than 10 years both nationally and internationally with Evonik Industries AG (and their former organizations).

Mr. Grünbeck (1977) holds a PhD in process engineering from the Otto-von-Guericke University in Magdeburg. He had started his work life in the department of plant safety as an authorized expert. There he supported process safety analyses as a moderator and expert in the chemical and power plant field. His first contact to turnarounds he got as an inspector during the turnarounds in various C-4 plants in Marl.

Since 2014, he is responsible for the coal-fired power plant in Marl. There he has to ensure the plant availability, manage the maintenance in line with the budget and he is in the lead for projects and the turnarounds.
Leon van Hout
AP Networks, Netherlands
Senior Consultant

Leon van Hout is a Senior Consultant with Asset Performance Networks, based out of the company’s office in Amsterdam, The Netherlands. With over 15 years of consulting experience, Leon’s experience has centered on client-focused solutions that solve specific challenges and optimize returns, whether those returns involve cost reduction, increased efficiency, or adherence to environmental standards.

Having worked for more than a decade as a freelance Project Manager/Change Manager in a wide range of industries (e.g., manufacturing, petrochemicals, and energy) allows Leon to support organizations of all shapes and sizes to implement proven practices that result in marked performance improvements.

At AP-Networks, Leon brings his experience to bear executing Turnaround Assist Programs (T-AP), Benchmarking Assessments, and additional AP-Networks services. In addition to the regular AP-Networks services, Leon is driving the introduction of AP-Networks into the Dry Docking sector.

Prior to joining AP-Networks, Leon worked as a Project Manager at a chemical plant in Indonesia. He was tasked with successfully implementing improved production and maintenance processes and designing a new organizational structure. Leon also worked as a Project Manager and Manager of Operations for a Netherlands-based operational consulting firm where he was responsible for various business improvement projects within capital intensive industries including oil and petrochemicals. Among these projects were numerous turnaround improvement initiatives. Leon holds a Bachelor’s degree in Economics – Business Information Technology from Fontys University of Applied Sciences.

Hans Kouwer
Intergraph
Business Development Consultant EMIA

Hans Kouwer is Business Development Consultant at Intergraph Process, Power & Marine. Hans focuses on helping business organizations to support and optimize their business processes through implementing information and communications technology (ICT) solutions.

Henk van der Meer
BP
Team leader Events (TAR/Outages/TTAR/CUI), BP Refinery Rotterdam

Henk van der Meer has more than 35 years’ experience in the process industry including exploration and production in several disciplines. In his jobs he mainly focus improvement and simplify of the work processes were the human factor is a critical role. In 2004 he got his grade of MSc for Maintenance Management.

Since 2006 he works for BP and develop the global process and the implementation manager of global process with SAP as a pilot at BP Refinery Rotterdam. After the period he has been responsible for maintenance at one of the asset at BP Refinery Rotterdam. In 2012 he took the job as Teamleader for TankTAR, Corrosion Under Insulation (CUI) program, small outages and the big TAR. During the big TAR he is the TAR manager.

Bart Muller
Air Products
BENELUX Maintenance Manager

Bart Muller (49) has over 25 years of maintenance experience in the petro-chemical and power industry.

He previously worked as an engineering Inspector, asset manager, maintenance engineer and lead construction supervisor. Now he is maintenance manager of Air Products Nederland BV and responsible for the maintenance of the production sites in the Netherlands and Belgium.

Ralph Postma
TOTAL
Turnaround Manager

During the course of his 29 year career within the TOTAL Group, Ralph has gained appreciable experience in the fields of Projects, Inspection and (predominantly) Maintenance and Turnarounds. After holding several site positions within Western European Refineries, he now works as part of the Turnaround Methods Team based in Paris. In his current role he is the primary Turnaround Correspondent for the USA and a number of Western European sites. The team's primary objective is to improve Turnaround performance within the Refining and Chemicals branch of TOTAL.

Alain Van Riet
ATPC Terminal N.V. (VTTI Group)
Technical Manager

Alain has over 25 years of experience in the petrochemical industry. His career started at Universal Refining and continued at Petroplus, where he held various roles until 2010. Since then he has been the Technical Manager at the ATPC Antwerp Terminal & Processing Company - VTTI Group

Dr.-Ing Yelena Rojas
AZZ
Sales Director - Europe

Yelena has 12 years of experience in industrial maintenance. She has been with AZZ for 5 years as a Sales Director for Europe.

Markus Saarinen
Borealis
Turnaround Manager, PA&T Porvoo

Mr. Saarinen (1965) holds a MSc in process engineering from University of Oulu. His career started in an engineering company responsible for process controls in several different sized projects in the hydrocarbon industry. After joining Borealis in year 2000, he first held process control engineer and operation manager roles at the technology polyolefin pilot plant and later worked for five years as a production manager for two commercial LDPE units, a compounding unit and a polyolefin utilities. Since mid 2012 he has held role of turnaround manager in Borealis Porvoo site.

Chérif Tabet
Ponticelli, France
Deputy Director, Products Line O&G Downstream

After having been graduated for Mechanical studies and Research and Development specialisation, I started to work for the valves manufacturing industry at Flow Control Technologies (Genoyer Group), as a projects coordinator. Involved in many projects over the world, we have provided thousands of valves that are, for some of them, still installed and operating on various Oil & Gas plants (both onshore & offshore).

Then, a short career in the Environment industry, for the construction of Waste combustion plants at CNIM, at the Project Management department. This is after this interesting experience that I started my long-lasting story with the Turnarounds.

Since 2002, within the Turnaround business, I have covered most of the functions related to TA management (Planning, Scheduling, Cost, Projects management...) and I have then switched, in 2004, to the management of a team of Planning & Scheduling experts at Alpha Maintenance (Ponticelli Group), as an agency manager, for south of France and foreign countries area.

Now & since 2014, I am Deputy Director for Oil & Gas Downstream sector at Ponticelli Group for all project types but still with a specific focus to the Turnarounds business.
Taeke Venema
Neste, Netherlands
Turnaround QAQC Manager

Taeke Venema has more than 25 years’ experience in the oil & gas, and petrochemical industry. He is a senior maintenance professional with broad experience in turnaround management, maintenance management, and reliability engineering.

His experience includes working for Shell E&P in various international assignments, Controlec Construction (nowadays SPIe) as Maintenance Contract Manager, and Air Liquide Large Industries as regional Maintenance Manager.

In 2010, he established his own company to provide services regarding turnaround management, maintenance consultancy, reliability engineering, project management and interim maintenance management. Since then, he has worked for numerous companies in turnaround management and project management roles. His latest assignment is Turnaround QAQC Manager for Neste Netherlands in Rotterdam.

Taeke Venema graduated in 1990 with an MSc in Aeronautical Engineering at the Technical University Delft (Netherlands).

Björn Zubel
EP-CM
Manager Operation / Senior TAR-Management Consultant

Björn Zubel has been working in Turnarounds & Capital Projects for nearly all of his professional life.

In 1989 he started his professional life at VEBA Refinery (now BP), Gelsenkirchen Germany. As part of the Naphta-Cracker Operations Team, he got the first time involved with the planning and execution of a major Turnaround project.

Based on this experience he switched his function and employer in 1992 and started working in the field of turnaround- and maintenance planning and estimating for a mechanical contractor. In 1996 he took the opportunity to gather in depth knowledge and hands on experience in turnaround scheduling, schedule optimization, progress controls and resource-planning.

From 1998 to 2005 he worked in different companies as the responsible Manager for TA-Projectmanagement & -controls. During this period he was accountable to define and implement standard methodology for turnaround planning & scheduling as well as standard scheduling and schedule controls processes to improve the quality of turnaround schedules during planning as well as the predictability of schedule and progress reporting during the turnaround execution phase.

Starting 2005 until today he works with ep-cm projectmanagement as the Operations Manager and TA Senior Consultant. Until now he consulted and supported TA-projects for multinational companies in the O&G- and chemical industry in Europe, Africa, Middle East, Asia and North America.

Delivering expertise and predictable results in the field of TA-management & -controls is his passion according to his motto “If you just try to reach the bar, you will never raise it!”

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Emerson’s CSI technology contributes to improved safety, availability and profitability and increase the overall reliability of your facility by delivering predictive intelligence and protection capabilities for your rotating machinery. Emerson’s combination of best-in-class technologies and services helps increase equipment effectiveness, reliability and performance by allowing you to be proactive in your maintenance. From online monitoring with protection, prediction, and performance to portables for vibration analysis and more, Emerson’s integrated approach for improving asset reliability delivers critical predictive diagnostic information in AMS. You get a holistic view that allows you to make informed decisions about your operation. Emerson's MRG (The Reliability Consulting) team is a global leader in reliability-centered maintenance with the tools, talent and technologies to help companies optimize their return on physical assets across their enterprise. As a leading consultancy, we have vast experience in delivering comprehensive, scalable asset management, reliability and Enterprise Asset Management (EAM) foundational data services to a diverse and illustrious list of clients throughout the world.

Soon to be known as Hexagon Process, Power & Marine, Intergraph Process, Power & Marine is the leading global provider of engineering software for the design, construction and operation of plants, ships and offshore facilities. Process, Power & Marine is part of Hexagon (Nasdaq Stockholm: HEXAB; hexagon.com), a leading global provider of information technologies that drive quality and productivity improvements across geospatial and industrial enterprise applications.

In order to deliver best project results ep-cm developed the software “AlphaDocs” to support the process of plant documentation, work-preparation and estimating in a sustainable way. “AlphaDocs” was developed by experts and follows a simple hands on approach to ensure quality results right from the start. An estimating norm containing more than 37,000 activities for nearly all trades as well as a huge verity of task and equipment templates are designed for your success.

AZZ-WSI. Welding Services Europe maintains, repairs and revitalizes the critical infrastructures that keep the energy industry online. With integrated services, WSI empowers energy providers to meet the world’s growing demands for their resources. Through industry-leading technology and proven processes, implemented by highly skilled specialists, we routinely deliver the safest, fastest and most comprehensive solutions in the industry for: Fossil Power Plants, Nuclear Power Plants, Petro-Chemical Plants, Refining, Waste to Energy/ Biomass, Industrial Processing Plants. Whether you need to maintain aging equipment, find ways to increase output or drive continuous improvement, turn to the company with the unmatched resources to get it done.

ep-cm has evolved over the past number of years, from being a newcomer in the service sector to a successful company for the process industry. Because of our comprehensive knowledge and experience, we provide solutions and reliability during all phases of your Capital- or Turnaround-project lifecycle. We offer customized consulting services and use a ‘hands on’ approach, which has established us among the top ranked enterprises within this sensitive market. We place our main focus on the planning, management, and controls in Capital-, Turnaround and maintenance business sectors. This includes improvements in all levels of maintenance and constructions, estimation, planning, scheduling, contract- and claim-management, developing benchmarks and much more.

Our Tool: In order to deliver best project results ep-cm developed the software “AlphaDocs” to support the process of plant documentation, work-preparation and estimating in a sustainable way. “AlphaDocs” was developed by experts and follows a simple hands on approach to ensure quality results right from the start. An estimating norm containing more than 37,000 activities for nearly all trades as well as a huge verity of task and equipment templates are designed for your success.

Rohrer Group, an Austrian private based industrial service company, internationally experienced for more than 40 years in innovative services and integrated solutions for the mineral oil and gas industry, providing the following services: Industrial Cleaning, Tank Cleaning, Scaffolding, Insulation, Catalyst Handling & Reactor Service, Installation & Shutdown Management, Plant and Equipment Construction, Automation and I & C, Civil Engineering Today, the Rohrer Group has customers in more than 10 countries in Western Europe, Eastern Europe and the Middle East and operates to their full satisfaction.

Sulzer Chemtech Tower Field Service (TFS) is a global leader in the maintenance of columns and vessels, including tray and packing installation, inspection and revamping of process equipment. Years of successful tower and vessel experience assures our customers of a partner who is safe, cost effective and technically experienced with the capability to minimise downtime during either planned and unplanned shutdowns.
About Fleming.

Fleming. connects great people, useful know-how and valuable opportunities. With 12 years in the business and 300+ events organized annually, Fleming. has grown to offer a portfolio of Conferences, Trainings, Exhibitions, Blended Learning and Online Conferences.

Present on five continents Fleming. has partnerships to always stay one step ahead. More than 50,000 satisfied companies participating at our events every year prove that Fleming. is the right partner.

The company works from a network of offices in Bratislava, Budapest, Dubai, Chicago, Kuala Lumpur, Nairobi, Jamaica, Pune and Bangalore. Nowadays, around 600 employees, powered by experience, skills and creativity from more than 50 nationalities work for Fleming.

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