



Under the Patronage of His Excellency  
Shaikh Mohammed bin Khalifa Al Khalifa  
Minister of Oil, Kingdom of Bahrain

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Euro Petroleum Consultants DMCC

# BBTC MENA 2017

Bottom of the Barrel Technology Conference  
4 & 5 DECEMBER 2017

OPTIMUM SOLUTIONS FOR RESIDUE UPGRADING

## Key Topics

- Global & Regional Refining Markets Overview
- Main Drivers to Implement Residue Complexes
- Latest Update on Slurry Hydrocracking Processes
- Latest Updates for Fixed Bed & Ebulating Bed Residue Hydroprocesses
- Thermal Processes – Delayed Coker and other alternatives; Flexicoking, Visbreaking, Gasification
- RFCC – Applications in Residue Upgrading
- Hydrogen, Sulphur & Energy Management

# ME-CAT 2017

Middle East Catalyst Technology Conference  
6 & 7 DECEMBER 2017

MAXIMISE SUCCESS THROUGH CATALYST INNOVATIONS

## Key Topics

- Catalytic Reforming (CCR & SR) & Isomerisation Catalysts
- Hydroprocessing, Reforming, Isomerisation Catalysts
- Catalysts for FCC & Residue Upgrading
- Solid Bed Alkylation Catalysts
- Catalysts for Aromatics, Olefins & Detergents
- Catalyst Handling & Management
- Modern Catalyst Testing, Evaluation Techniques & Procedures

## SPONSORS & SUPPORTERS



## SPEAKERS





## Welcome to BBTC & ME-CAT 2017

### What people say about our events:



*BBTC is an event that should not be missed by refineries. Technology update and networking opportunity is exceptionally unique.*

**General Manager – Engineering, DUQM REFINERY**

*Our attendance at BBTC MENA helped us to examine our refinery and look at ways to improve bottom of the barrel value for stakeholders.*

**Manager Planning & Optimization Department, SASREF**

*EPC's BBTC remains the most effective means for keeping up to date with the latest technologies and the latest in terms of implemented refinery projects.*

**Vice President Global Technology Services, CHEVRON LUMMUS GLOBAL**

*BBTC is an excellent and great occasion to meet with leaders and experts, sharing their experiences and acquiring much information and knowledge regarding technologies and more concerning subjects for the bottom of the barrel.*

**Process Engineer, PETRO RABIGH**

*EPC brought together the right mix of consultants, solution providers and operators to hold needed conversation on current challenges and opportunities in the GCC.*

**Vice President Strategic Marketing & Commercial Excellence, HONEYWELL UOP**



It gives us great pleasure to announce BBTC MENA 2017 – Bottom of the Barrel Technology Conference and ME-CAT 2017 – Middle East Catalyst Technology Conference. We are delighted that the conferences will take place under the Patronage of H.E. Shaikh Mohammed bin Khalifa Al Khalifa, Minister of Oil with the support of the National Oil & Gas Authority and Bapco as Principal Sponsor.

Established 17 years ago, Euro Petroleum Consultants' 'BBTC – Bottom of the Barrel Technology Conference' series continues to be the only event that focuses on technologies, project trends, catalysts and equipment innovations for residue upgrading in refineries around the world. Refinery complexity is one of the key factors influencing refining profitability. With a higher complexity and a higher conversion capability, a refiner can process heavier and cheaper crude feedstock while always achieving better margins at any crude price. The incentive is therefore to continue investing in higher upgrading. Residue upgrading remains an area of prime importance in the refining sector, helping to meet the challenges facing the industry and BBTC MENA 2017 is the premier event for staying up to date with developments in the industry and the Middle East region.

In addition, we are pleased to announce ME-CAT 2017, one of our new series of catalyst technology conferences taking place this year in Asia and the Middle East where catalyst suppliers, licensors, contractors, service providers and end users will be invited for a unique opportunity to be brought up to date with the latest developments. Catalytic processes are at the heart of all refineries and petrochemical complexes and with the recent drive for increased integration, the number of units using modern catalysts has increased significantly. ME-CAT 2017 – Middle East Catalyst Technology



Conference will take place directly after BBTC MENA and we look forward to welcoming you to both events in Bahrain.

**Stefan Chapman,**  
**Vice President, Euro Petroleum Consultants**

## The Week Agenda at a Glance

### Monday 4 December

09:00 – 17:00 BBTC MENA Day One  
19:00 BBTC MENA Networking Reception

### Tuesday 5 December

09:00 – 14:30 BBTC MENA Day Two  
14:30 – 16:00 Farewell Networking Session

### Wednesday 6 December

09:00 – 17:00 ME-CAT Day One  
19:00 ME-CAT Networking Reception

### Thursday 7 December

09:00 – 14:00 ME-CAT Day Two  
14:00 – 16:00 Farewell Networking Session



# Sponsorship Options

## Logo Branding Sponsorship Options:

Your logo prominently displayed on important conference materials distributed to all delegates

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## Host a Function:

Host a high quality & memorable networking event and have the chance to welcome delegates at the chosen function

- Sponsor of the lunch(es)
- Sponsor of the welcome cocktail
- Sponsor of the gala evening
- Sponsor of the networking coffee breaks



## All Packages Include:

- Delegate places
- Exhibition space
- Advertising pages & online exposure
- Opportunity to make a presentation and/or chair a session



# Exhibition

## An Exhibition Package Includes:

- Two delegate places
- Space for your own display
- Table, chairs and electricity points
- Your logo, profile and contacts in the event guide
- Excellent visibility during the event



## SUPPORTERS AND MEDIA PARTNERS



# How to contact us



Euro Petroleum Consultants

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### 08:00 REGISTRATION & WELCOME COFFEE

### 09:00 OPENING REMARKS

H.E. Shaikh Mohammed bin Khalifa Al Khalifa, Minister of Oil  
Stefan Chapman, Vice President, EURO PETROLEUM CONSULTANTS

### 09:15 SESSION ONE – MARKETS, INDUSTRY & PROJECT TRENDS

#### Management of Solid & Heavy Products Produced at Bottom of the Barrel Processes

- Petcoke market situation
- Ebullated bed hydrocracker residue
- Slurry hydrocracker residue
- FCCU and RFCCU

Valentin Kotlomin, Director - Strategic Studies & Downstream Economics, EURO PETROLEUM CONSULTANTS

#### Duqm Refinery – Update & Look Ahead

- Refinery overview

### 10:30 NETWORKING BREAK

### 11:00 SESSION TWO – MARPOL VI

#### Industry Trends & Challenges – Residue Upgrading Solutions

- Review of bunker fuels market changes
- Challenges facing the refiner to accommodate regulatory & market changes

Stefan Chapman, Vice President  
EURO PETROLEUM CONSULTANTS

#### Global Market Overview

- Current trends in refined products
- Regional developments

- Refinery configuration – challenges & excitement
- Project status

Ishaq Al-Sarhni, General Manager – Engineering,  
DUQM REFINERY

#### High-performance Project Execution: Key Lessons from the Industry's Best Executed Projects

- Formulating the project execution philosophy
- Importance of collaboration between all parties, including the owner team, licensor, PMC, feed & EPC contractors

Süleyman Özmen, Vice President, Refining and Chemical Licensing, SHELL GLOBAL SOLUTIONS

### 12:00 PANEL DISCUSSION MARPOL VI – THE IMPLICATIONS & CONSEQUENCES

- What will it really mean for the downstream industry?
- Will compliance solutions change over time for refiners?
- What future trends are expected by refiners as a result of these regulations?
- How much will depend on ship owners?

Invited Companies: BECHTEL, EXXONMOBIL, GTC TECHNOLOGY, HONEYWELL UOP, NEXANT, SHELL GLOBAL SOLUTIONS, WOOD

### 12:30 LUNCH

### 13:30 SESSION THREE – REFINER'S PERSPECTIVE – PROJECTS, ASSETS & EXPERIENCE

#### SPECIAL PRESENTATION

#### Opportunities for Hydroprocessing Residual Oil into Transportation Fuel - Resid Hydrocracking & Post Hydrotreating Synergy

- Best available options to convert residue and then hydrocrack such residue-derived VGO into diesel & gasoline

Balbir Lakhanpal, Global Technology Lead - EB Resid Catalysts, ADVANCED REFINING TECHNOLOGIES (ART)

#### FCCU: Leveraging Advances in Process & Catalyst Technology for Maximum Heavy Oil Processing & Profitability

- Bapco's success story - modernising 70+ years FCCU using latest technology & with minimum capital investment
- Catalyst optimisation strategy, enhance bottoms cracking &

maximise LCO yield whilst maximising heavy oil inclusion

Abdulla Al Meshal, Process Engineer FCCU, BAPCO

#### SATORP - Highly Complex Integrated Refinery

- Meeting the Industry Challenges
- Running a refinery & petrochemical complex processing 400,000 barrel per day of Arabian heavy crude oil

Pedro da Silva, Technical Manager, SATORP

#### The Value Addition of DMO Processing in Hydrocracking Unit

- Demetalised oil (DMO) production from vacuum bottom
- Quality concerns of DMO in downstream process units
- Riyadh Refinery experience with DMO processing in hydrocracker

Mamdouh Al-Harbi, Hydrocracker Process Engineer - Riyadh Refinery, SAUDI ARAMCO

### 15:15 SESSION FOUR – REVAMPS, RESEARCH, TOOLS & EQUIPMENT

#### Upgrade Asphalt Production Facilities at Jeddah Refinery

- Increasing asphalt production from 13 MBD to 20 MBD to cover 27% of the kingdom's asphalt demand
- Identifying project constraints and implementing solutions

Ahmad Alrefaei, Process Engineer - Jeddah Refinery  
SAUDI ARAMCO

#### Catalytic Cracking of Light & Heavy Crude Oil Blends to Maximise Light Olefins: Impact of Conversion & Product Yields

- Catalytic evaluation of light & heavy resid oils over lab deactivated equilibrium catalysts
- Extended parameters for the prediction of yield patterns between the crudes & their products cuts

Gnana Pragasam Singaravel, Section Head-Catalysis  
ADNOC REFINING RESEARCH CENTER

#### Eliminating Profit Losses Due to Bad Tubeskin Measurement in Furnaces

- Accurate tubeskin systems
- Proper tubeskin thermocouple routing in furnaces
- Furnace tubeskin installation best practices

Mike Bennett, Application Engineer

GAYESCO INTERNATIONAL, a division of WIKA

#### Engineered Valve Solutions and Modules for Heavy Oils

- Valve design for specific applications
- Technology-driven and innovative flow solutions: liners, coating, purging and configurations
- Stick built vs. modular design (skids)

Charles Walker, International Sales Manager,  
MOGAS INDUSTRIES

### 08:00 REGISTRATION & WELCOME COFFEE

### 09:00 SESSION FIVE – TECHNOLOGY FOCUS – DELAYED COKING

#### How Can Refineries Optimise Conversion of High Sulphur Bunker Oil to Higher Value Products using Delayed Coking & CFB

- A look at refinery schemes of major bunker producers
- Hyundai Oilbank (HDO) experience of supplying steam & power with high reliability to its state of the art 390KBPD refinery using CFB boilers fuelled with petroleum coke
- Hyundai Oilbank (HDO) experience in integrated operation of Delayed Coking Unit & CFBC Boiler and its economic benefit

**Haeil Jo, Manager - Corporate Planning**

**HYUNDAI OIL BANK COMPANY**

**Rashid Iqbal, Technical Specialist - Refining, BECHTEL HYDROCARBON TECHNOLOGY SOLUTIONS (BHTS)**

#### ExxonMobil FLEXICOKING™ Technology for Residue Upgrading & Chemicals Production

- FLEXICOKING™ a cost-effective technology to convert heavy feeds to high value liquid products – case studies
- Eliminating low-value coke – potential uses for Flexigas: power generation or in place of natural gas and conventional fuel gas
- Operating flexibility - handling different heavy feeds for optimised chemicals production

**Zhiguo Hou, Technical Sales Manager, EXXONMOBIL**

#### Improving Delayed Coker Furnace Run Length with Proprietary Flux Profile

- Maximising profitability through better operation
- Case study: effect of radiant flux profile on coker furnace run length

**Niaz Mustafa, Senior Vice President  
HEURTEY PETROCHEM**

#### Bottom-of-the-Barrel Cleaning

- Visbreaker Case Study
- Salik Tauqir, Technical Sales Engineer,  
ZYME-FLOW DECON TECHNOLOGY**

### 10:30 NETWORKING BREAK

### 11:00 SESSION SIX – TECHNOLOGY FOCUS: SLURRY HYDROCRACKING

#### Uniflex Technology Improvements for Residue Conversion and Maximum Profitability

- Next generation in Uniflex Technology improves profitability
- Responding to customer needs for total conversion to saleable products
- Reliability built on multi-faceted experience basis

**Gary Brierley, Senior Project Manager, HONEYWELL UOP**

#### EST: Maximizing Refinery Profitability Through Heavy Feeds Upgrading

- Eni Slurry Technology: key features
- EST benefits & future perspectives
- Case studies

**Raffaele Fronteddu, Proposal Manager, ENI**

#### GT-SACT<sup>SM</sup>: Robust, High-conversion Heavy Oil Upgrading

- Overview of the technology
- Examples how GT-SACT<sup>SM</sup> becomes a preferable option for refiners adding heavy oil conversion to the operations

**Sachin Joshi, Licensing Manager, GTC TECHNOLOGY**

#### Maximising Refinery Profitability with Full Conversion Vacuum Residue LC-SLURRY Hydrocracking

- Optimising refinery economics
- CLG LC-SLURRY Vacuum Residue Slurry Hydrocracking Technology
- High operational reliability of LC-SLURRY Technology

**Gerrit Polhaar, Regional Director Technology Licensing & Sales – Europe, Middle East & Africa  
CHEVRON LUMMUS GLOBAL**

#### Terrace Wall Steam Reformer Heater: The Most Flexible Solution to Hydrogen Production

- Description of Terrace Wall Heater
  - Main features; flexibility, performances, simplicity and reliability
- Omar Bedani – Business Development Manager, Fired Heaters & Hydrogen Technology, WOOD**

### 13:00 LUNCH

### 14:00 – 15:30 FAREWELL NETWORKING SESSION

We have made the Conference Hall available for those attendees who wish to hold their own meetings. Snacks and beverages will also be available.

### 08:00 REGISTRATION & WELCOME COFFEE

### 09:00 SESSION ONE – CATALYSTS INDUSTRY OVERVIEW

#### Catalysts Markets Overview

- Trends, Outlook & developments
- New developments & innovations in catalysis
- How industry trends & challenges will shape the catalyst sector

**Valentin Kotlomin, Director - Strategic Studies & Downstream Economics**  
**EURO PETROLEUM CONSULTANTS**

#### Maximising the Utilization of Reactivated Hydrodesulphurisation Catalyst in ADNOC Refining HGO Unit

- Catalyst management

- Hydrodesulphurisation catalysts
- Catalyst pilot-plant evaluation

**Paco Laveille, Senior Research Scientist**  
**ADNOC REFINING RESEARCH CENTER**

#### Maximising FCCU Economics by Changing Catalyst Characteristics

- Fine-tuning FCC catalyst to improve FCC gasoline RON
- Reviewing feedstock properties to ensure the best possible quality to maximise the unit economics

**Senior Representative, SAUDI ARAMCO**

### 10:10 NETWORKING BREAK

### 10:40 SESSION TWO – FUELS PRODUCTION, PETCHEM PRODUCTION & QUALITY IMPROVEMENT

#### Latest Developments for ULSD & Catalytic Dewaxing Catalysts

- Introducing latest catalytic solutions for ULSD
- Improving diesel cold-flow properties

**Cédric Perat, Business Line Team Manager - Light Ends & Middle Distillates Hydrotreatment, AXENS**

#### ExxonMobil High-performing Catalysts for Refining & Chemical Manufacturing Processes

- MIDW™ & MSDW™ catalyst platforms: achieve proper cold flow properties for fuels & lubricants
- SCANFining™ catalyst technology to selectively reduce the cat naphtha sulphur while minimising the saturation of octane olefins

- Emphasis on improved zeolite catalysts for p-Xylene and cumene production

**Terry Helton, Licensing Manager, EXXONMOBIL**

#### Catalyst for Dewaxing: Small Measures in Hydroprocessing to Generate Additional Value in Hydroprocessing

- Increasing knocking stability of light naphtha cuts
- Vapour pressure adjustment of solvent precursors
- Cold flow improvement of kerosene & distillate cuts
- Viscosity adjustment of white oils & lube components

**Rainer Rakoczy, Product Manager, Fuel Upgrading – Catalyst, CLARIANT**

### 12:00 LUNCH

### 13:00 SESSION THREE – CATALYSTS FOR FCC TECHNOLOGIES

#### Overview of FCC Catalysts

- Optimised catalysts for unconventional feeds
- Achieving high versatility & maximum activity
- Specific case studies

**Morgan Allen, Senior Technical Service Manager, Middle East, GRACE**

#### Strategies for Metals Management in Resid FCC Units

- Impact of contaminant metals on the catalyst performance at heavier feedstock processing
- Why different approaches are needed for metals passivation
- BASF's recommendations how to mitigate the negative impact of common FCC contaminant metals

**Ankit Apoorv, Technical Sales Manager, BASF**

### 13:40 PANEL DISCUSSION – MAXIMISING SUCCESS THROUGH CATALYST INNOVATIONS

**MODERATOR: Willem van Kooten, Owner, BRU-TECH**

- With most of the recently built refineries in the Middle East being complex with higher conversion capabilities, how lucrative is the region for the refining catalyst sector?
- What opportunities can be exploited from the ever-changing fuel specs and legislation?
- How will the refinery catalyst business be affected by the IMO sulphur cap on marine fuels?
- What can be done to improve both heavy oil conversion and feedstock flexibility?
- Exploring options and processes for spent catalyst handling?

**Invited Companies: ADNOC REFINING RESEARCH CENTER, AXENS, BASF, EURO PETROLEUM CONSULTANTS, GRACE, HONEYWELL UOP**

### 14:10 NETWORKING BREAK

### 14:30 SESSION FOUR – CATALYST HANDLING & MANAGEMENT

#### Spent Catalyst Recycling

- Technical possibilities for base metal reclaim of spent catalysts
- Spent catalyst recycling solutions for petrochemical, oleochemical, gas, fertiliser, pharmaceutical and edible oils & fats industry
- Benefits of catalyst recycling

**Clemens Kuhnert, Head of Purchasing Department**  
**NICKELHUETTE**

#### Making the Most of Your Change-out

- Sampling & analytical techniques are crucial in maximising materials performance
- Consistent sampling methods for long-term improvements in hydrotreater profitability
- Case studies are used to demonstrate the value of combining good materials & good analysis

**Austin Schneider, Director of Technology, CRYSTAPHASE**

#### Accu™ Spheres - Revolutionary Catalyst Carrier Technology

- Uniform sphere size between 0.5-3.5mm range
- Examples of chemistry & pore structure previously unavailable

**Paul A. Szymborski, Director Sales & Marketing - Catalytic Products & Process Ceramics, SAINT GOBAIN**

#### Porocel Full Reactor Load Solutions: You Can Count On

- Restoring activity through applying excel® rejuvenation
- Porocel designs full reactor solutions from the top bed grading and support materials through the main bed catalyst
- Full reactor load solutions proposed by Porocel® are an alternative to fresh catalyst

**Michael Martinez, Business Segment Manager – HPC & Products, POROCEL**

### 08:00 REGISTRATION & WELCOME COFFEE

## 09:00 SESSION FIVE – FOCUS ON HYDROTREATING CATALYSTS & HYDROGEN & SULPHUR MANAGEMENT

### Bapco Hydrocracking Unit Catalyst Changeout 2016 - A Success Story

- Bapco's rigorous catalyst selection process
- Actual performance of the new catalyst versus expectation
- The success of the catalyst in creating operational flexibility & improving overall refinery economics

**Fatema Husain, Process Engineer, BAPCO**  
**Rajesh Sivadasan, Senior Technology Specialist - Hydroprocessing, HONEYWELL UOP**

### Unity™: Honeywell UOP Hydrotreating Catalysts for Refinery Applications

- Catalyst innovations for performance improvement in hydroprocessing units
- Recent case study - improved profitability in a distillate hydrotreating unit
- Recent case study - improved hydrocracker unit performance

**Satyam Mishra, Regional Sales Manager, Catalysts and Adsorbents, HONEYWELL UOP**

### KF 780 STARS®: the Proven, New All-round Catalyst for Middle Distillates Hydrotreating

- New flexible catalytic solutions for low & medium pressure middle distillates units
- Introducing KF 780 STARS®: low density all-round ULSD & FCC-PT catalyst
- Case Studies – Successful KF 780 STARS® experience and feedback

**Alessandro Riva, HPC Technical Service Manager - Middle East and India, ALBEMARLE**

### Importance of a Reliable Hydrogen Source

- How hydrogen production continues to become more strategic in the refinery operation
- Trends for improving efficient hydrogen production in modern plant design
- Why early project collaboration with operator, technology vendor & technology provider lowers CAPEX & OPEX of new designs

**Matthew Wilson, Technical Sales Manager**  
**JOHNSON MATTHEY, EFFICIENT NATURAL RESOURCES**

### Latest Developments on Claus Catalysts

- Innovations & latest feedback
- Recent Industrial case studies
- Increased performance & reliability

**Pierre-Francois Le-Bouille, Sulfur Recovery Technologist, Adsorbents & Claus Department, AXENS**

### 11:00 NETWORKING BREAK

## 11:30 SESSSION SIX – RESEARCH, ANALYSIS TECHNIQUES & CATALYST DEVELOPMENT

### Kinetics of Resid Fluid Catalytic Cracking Using a Fixed Fluidised Bed Reactor

- Kinetics of RFCC process studied utilising fixed fluidised bed reactor
- Parameters are varied including the products to capture the different scenarios in commercial operations
- A 10 lump kinetic model is used to improve the accuracy of kinetics

**Abdulmajed Alkatheeri, Senior Research Engineer**  
**ADNOC REFINING RESEARCH CENTER**

### Enabling Catalysis R+D for Chemicals, Polyolefins, Rubbers & Fuels

- Standardised and accelerated Catalysis R+D
- Catalyst preparation
- Catalyst screening and testing

**Michael Schneider, Senior VP BU Materials Science**  
**CHEMSPEED TECHNOLOGIES**

### Predictive Modelling Tool for ARD Catalyst Assessment

- Hydroprocessing catalysts (Hydrotreating)
- Catalyst evaluation technique
- Catalyst evaluation procedure

**Hamza Albazzaz, Associate Research Scientist**  
**KUWAIT INSTITUTE FOR SCIENTIFIC RESEARCH (KISR)**

### 12:30 LUNCH

## 13:30 – 15:00 FAREWELL NETWORKING SESSION

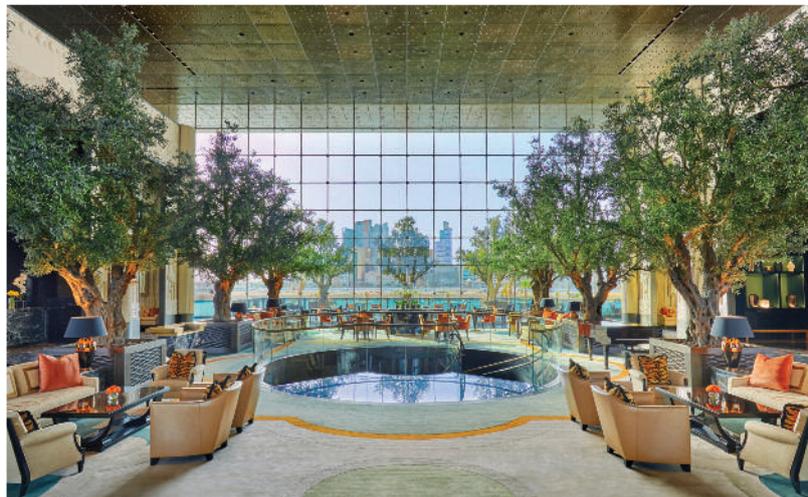
We have made the Conference Hall available for those attendees who wish to hold their own meetings. Snacks and beverages will also be available.

# Venue – Four Seasons Hotel Bahrain Bay



Located in Manama, the Four Seasons Hotel Bahrain Bay offers elegant accommodation with views of the Arabian Gulf. The Hotel is located 11.2 kilometres (7 miles) from Bahrain International Airport (BAH).

Euro Petroleum Consultants has negotiated reduced rates for delegates at the hotel. To benefit from these group rates, you must book your room using the reservation link that will be provided to you upon confirmation of your conference registration.



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### Our Subject Areas

Operational Excellence  
Project Management  
Investment Planning / Master Planning

Oil, Gas & Petrochemicals Masterclasses  
Health, Safety & Environment



# About the Organisers

Euro Petroleum Consultants (EPC) is a leading independent consulting company for the Downstream Oil, Gas & Petrochemical sectors.

Our mission is to act as Client Project Engineer (CPE) providing expertise, advice and support during all stages of Project Development, including Feasibility Studies, Masterplans, Technology Selection, PMC Services, Start-Up Support and Operations Management.

We also act as Consultant to major Banks to provide technical supervision for the projects they have financed.

EPC has over 20 years of consulting experience spanning all regions; Russia & CIS, the Caspian region, the Middle East, Europe and Africa.

## MAJOR PROJECTS:

- MOZYR REFINERY - HOIL Complex Consulting Services
- LUKOIL VOLGOGRAD - FEED Contractor for SDA Complex
- LUKOIL NNOS - FCC & HF Alkylation Complex (PMC)
- FORTEINVEST – Refinery Expansion (Technical advisor)
- AFIPSKY REFINERY - Technical Consultant to Bank for Major Refinery Upgrade Project
- SOCAR - Urea Complex & Polypropylene Project (PMC)
- MOZYR REFINERY – Octane Complex (PMC)
- SALAVATNEFTEORGSINTEZ - Technical Consultant, Acrylic Acid Project
- SONARA CAMEROON – Refinery Expansion (PMC)



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# About our Supporters



National Oil and Gas Authority (NOGA) was incorporated in September 2005 in accordance with the Royal Decree No. (63) of 2005 as the regulating Authority responsible for the oil and gas affairs in the kingdom of Bahrain. The Authority aims to preserve the Kingdom's oil and natural gas resources, find alternatives for the optimum development of such resources and obtain the highest return thereon.

**[www.noga.gov.bh](http://www.noga.gov.bh)**



Over its eighty-year legacy, Bapco has gone from strength to strength. Pioneering the discovery of oil in the Arabian Peninsula, Bapco began exporting its products two years after its inception in 1932 before commencing refining activities in 1936.

Bapco is wholly owned by the Government of Bahrain and accounts for a massive portion of energy-related activities, primarily refining, distribution of petroleum products and natural gas, sales and export of crude oil and refined products among others. It owns a 260,000 barrel-a-day refinery, storage facilities for above 14 million barrels, a marketing terminal and a marine terminal for petroleum products.

**[www.bapco.net](http://www.bapco.net)**



The Gulf Downstream Association (GDA) is the brainchild of its founding members from Saudi Aramco, Kuwait Petroleum International, Bahrain Petroleum Company and the Kuwait National Petroleum Company. GDA is a non-profit organization which aims to bring leading Downstream players together to further develop the industry and draw mutual benefits from sharing knowledge and best practices.

GDA's vision is to become an internationally recognized association that serves as a catalyst for the strong and sustainable growth of the Downstream Industry by promoting collaboration amongst all individuals and organizations associated with it, and by contributing to the development of policies and ecosystems to support its sustainable growth.

To learn more about the benefits of becoming a member, please visit **[www.gda.org.bh](http://www.gda.org.bh)** or email **[info@gda.org.bh](mailto:info@gda.org.bh)**



MIDDLE EAST  
TECHNOLOGY FORUM  
19-21 FEBRUARY 2018  
DUBAI · UAE

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TECHNOLOGY FORUM FOR REFINING & PETROCHEMICALS

# THE ESSENTIAL MEETING PLACE FOR THE MIDDLE EAST DOWNSTREAM INDUSTRY

## Plenary Sessions for Refining & Petrochemicals Market Overview and Forecasting

- Keynote Speeches by High Level End-Users & NOCs
- Project Updates from Key Regional Producers
- Refining & Petrochemicals Integration
- Implementing Optimisation & Management Tools

## Refining Stream

- IMO MARPOL VI - The Implications, Consequences & Possible Solutions
- Clean Fuels Technologies & Latest Innovations in Catalysts
- Technology Updates – Options for Maximising Conversion

## Petrochemicals Stream

- Viability of Liquids Cracking the MENA
- Overcoming Middle East Feedstock Challenges via New Technology
- New Specialty Petrochemicals Technologies
- Latest in Advanced Olefins & Polyolefins Technologies

SPECIAL  
FEATURE

## Pre-Conference Seminar

19 February

HOSTED BY



## Companies that Presented in 2017



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## Middle East Events by Euro Petroleum Consultants



**Operational Excellence**  
IN OIL, GAS & PETROCHEMICALS  
**OpEx MENA 2018**  
26 & 27 MARCH 2018  
BAHRAIN

ORGANISED BY  
**EPC**  
Euro Petroleum Consultants

**PEOPLE, PROCESS, ASSETS, TECHNOLOGY**

OpEx MENA brings together major upstream and downstream operators in the region with the leading providers of technology and solutions as well as consultants, to exchange ideas and experiences on the important topic of operational excellence. We will also hear from some of the major end-users in the region about their successes and learnings. There are many opportunities to improve efficiency of operations and many companies are becoming well-established in implementing an operational excellence roadmap, whilst understanding that this is a continuous process. The event format is structured to encourage networking and open discussion and it is this spirit of knowledge sharing that will allow companies to innovate in the areas of 'People', 'Process', 'Assets' and 'Technology'. [www.opex.biz](http://www.opex.biz)

**Key Topics:**

- Successful Leadership
- Case Studies of OE Programmes
- Achieving Organisational & Corporate Excellence
- Change Management & Training
- Software & Technologies that Drive Performance
- Asset Management, Surveillance & Reliability
- Sustainability & Energy Efficiency



**GSF2018**  
**Gulf Safety Forum**  
28 & 29 MARCH 2018  
BAHRAIN

ORGANISED BY  
**EPC**  
Euro Petroleum Consultants

**PROMOTING SAFE OPERATIONS IN INDUSTRY**

The Gulf Safety Forum will bring together key industry players from industrial sectors across the region to discuss strategies for continuous improvement of safety procedures as well as share successful case studies and roadmaps. International safety experts and providers of safety tools and technologies will be presenting the latest methodologies which can assist companies to achieve these goals. GSF 2018 will incorporate the 2nd Gulf Safety Award (last year's winner was ORYX GTL of Qatar) which will be presented to the company who has demonstrated the best overall achievement in safety during the last two years.  
[www.gulfsafetyforum.com](http://www.gulfsafetyforum.com)

**Key Topics:**

- The Regulatory Environment
- How to Develop and Sustain Safety Leadership
- Improving Workforce Competence
- Process Safety Management
- Managing Mature Assets
- New Approaches to Plant Safety
- Making Safety Communications More Vital

## Other Events by Euro Petroleum Consultants

9 & 10 APRIL 2018, MOSCOW

### **RU-CAT**

Russia Catalyst Technology Conference

10 & 11 APRIL 2018, MOSCOW

### **Russia & CIS BBTC**

Russia & CIS Bottom of the Barrel Technology Conference

MAY 2018, PRAGUE

### **IDTC**

International Downstream Technology & Strategy Conference

MAY 2018, PRAGUE

### **International BBTC**

International Bottom of the Barrel Technology Conference

# Registration Form

Register online at [www.europetro.com](http://www.europetro.com)

Call us: +971 (0)4 421 4642 Email us: [bbtc@europetro-me.com](mailto:bbtc@europetro-me.com)

**Yes, I wish to take part** *Please select required package*

*\*a supplement of USD 300 will be added after 19 October 2017*

## EVENT PACKAGE

	BBTC	ME-CAT	BBTC & ME-CAT
Delegate Rate* for companies supplying technologies, equipment or services	<input type="checkbox"/> USD 1950	<input type="checkbox"/> USD 1950	<input type="checkbox"/> USD 3500
Delegate Rate for Oil & Gas operating/producing companies	<input type="checkbox"/> USD 1550	<input type="checkbox"/> USD 1550	<input type="checkbox"/> USD 2900
Exhibition Stand including two Delegate Places	<input type="checkbox"/> USD 6000	<input type="checkbox"/> USD 6000	<input type="checkbox"/> USD 10200
<b>Options</b>			
Book an Advertisement in the Event Guide	<input type="checkbox"/> USD 800	<input type="checkbox"/> USD 800	
I cannot attend but would like to order Conference Documentation	<input type="checkbox"/> USD 600	<input type="checkbox"/> USD 600	

## Details

Prefix  First Name  Surname

Job Title

Company

PO Box  Address

Post Code / ZIP  Country

Tel  Mobile

Email

Authorising Manager Name  Authorising Manager Email

### SPONSORSHIP

If your company is interested in receiving details on becoming a Sponsor, please contact us as there are a limited number of marketing opportunities available.

Benefits include:

- High company profile
- Complimentary delegate places
- Complimentary advertising

### EXHIBITION STANDS

There will be an exhibition of products & services during the conference, located by the main conference hall. Exhibition spaces/stands are available at a cost of USD 5500 and include a free delegate place. For more info, please contact EPC.

### ADVERTISING

Companies can include an advertisement in the Conference documentation at a cost of USD 800 – this will be included in the Conference Brochure.

**TO RECEIVE INFORMATION ON ANY OF THE ABOVE OPTIONS, PLEASE CONTACT US AT [office@europetro-me.com](mailto:office@europetro-me.com)**

### LOCATION OF CONFERENCE

The conferences will take place in Bahrain.

### ACCOMMODATION

EPC has negotiated reduced rates for delegates at the Four Seasons Hotel. To benefit from these group rates, you must book your room using the reservation link and promotion code that will be provided to you upon confirmation of your conference registration.

### REGISTRATION FEE

This includes attendance at the conference, Conference documentation, lunch and coffee breaks on both days and attendance at social functions. Full payment must be received before the conference in order to guarantee entry.

### CONFERENCE LANGUAGE

The conference language will be English.

### VISAS

Delegates requiring visas in advance to enter Bahrain can obtain tourist visa support letters from their hotel. Please allow plenty of time to obtain your visa.

### CONFERENCE DOCUMENTATION

If you are unable to attend the conference in person, you can purchase the Conference Proceedings. This includes access to all the papers and presentations, which can be downloaded from the web site. The conference Proceedings are available at a cost of USD 600.

### CANCELLATIONS

Cancellations made before 6 November 2017 will be refunded in full less an administrative charge of USD 250. We regret that cancellations made after this date cannot be refunded or credited. Substitutes are acceptable at any time.

### DISCLAIMER

EPC reserves the right to alter the content or timing of the program and its speakers although this happens rarely. EPC is not responsible for the content of the presentations by third parties or if an event is cancelled or postponed due to force majeure. Denotes speaker is subject to final confirmation. Your image may appear in the post-show report, conference video or photo gallery. If you have any objection to this you must please inform the Organisers.

### ORGANISERS

**Euro Petroleum Consultants (EPC)** is a consulting organisation supplying consulting & project management services to the oil & gas industry. President: Mr Colin Chapman.

For further information, visit our website: [www.europetro.com](http://www.europetro.com) or contact us by telephone: +971 (0)4 4214642 or send us an email at: [office@europetro-me.com](mailto:office@europetro-me.com)