



Gas Processors Association
GCC Chapter



Gas Processors
Association Europe



26th ANNUAL TECHNICAL CONFERENCE
GPA-GCC & GPA-EUROPE CHAPTER JOINT CONFERENCE



Under the patronage of
H.E. Eng. Salim Nasser Al-Aufi
Undersecretary, Ministry of Oil and Gas
Sultanate of Oman

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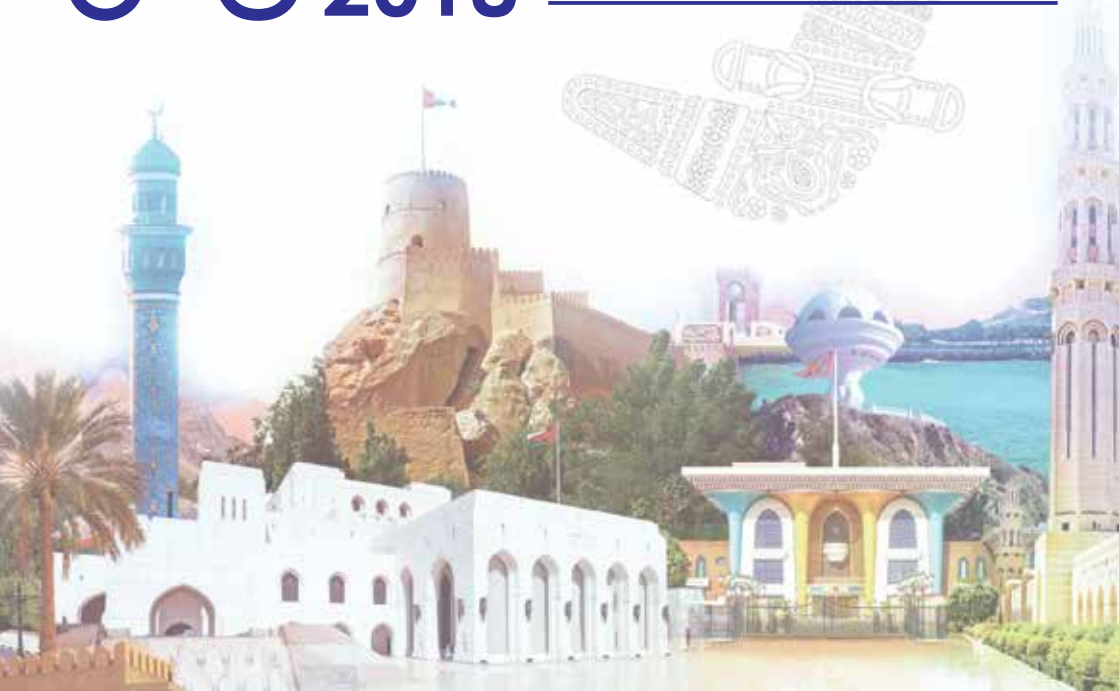


الشركة العمانية للغاز الطبيعي المسال ش.م.س.
Oman LNG L.L.C.

Enhancing Safety, Integrity and Efficiency in Gas Processing

**6-8 March
2018**

Shangri-La Barr Al Jissah Resort & Spa
Muscat, Sultanate of Oman



Managed By



www.gpa-gcc-chapter.org

CONFERENCE DAY 1: 6TH MARCH 2018

MORNING SESSION

07:00 – 08:30 Conference Registration

08:30 – 08:50 Opening Remarks HALL 1



Ms. Wadha Ahmed Alkhateeb
Manager, Technical Services (KNPC)
Chairperson - Gas Processors Association GCC-Chapter

08:50 – 09:10 Keynote Speech 1 HALL 1



H.E. Eng. Salim Nasser Al-Aufi
Undersecretary, Ministry of Oil & Gas
Sultanate of Oman

09:10 – 09:30 Keynote Speech 2 HALL 1



Mr. Harib Al-Kitani
Chief Executive Officer
OMAN LNG

09:30 – 10:00 Award Ceremony HALL 1

10:00 – 10:30 Exhibition Opening MARQUEE

Chief Guest



H.E. Eng. Salim Nasser Al-Aufi
Undersecretary, Ministry of Oil & Gas
Sultanate of Oman

10:30 – 11:00 Coffee Break Foyer Area

PANEL DISCUSSION

11:00 – 12:00 The Gas Market - A look Ahead HALL 1

Panelist



H.E. Eng. Salim Nasser Al-Aufi
Undersecretary, Ministry of Oil & Gas
Sultanate of Oman



Mr. Harib Al-Kitani
Chief Executive Officer
Oman LNG



Mr. Sabeur Mansar
VP - Commercial & NBD
SHELL International



Mr. Steve O'Donnell
Managing Director of Oil & Gas Systems
Chairman of GPA Europe

Panel Moderator



Dr. Syham Bentouati
NAFAS International LLC

12:00 – 13:15 Prayer & Lunch break Foyer Area

AFTERNOON SESSION

HALL 1

THEME: LNG

Session Chairman
Mr. Talal Al Hadhrami
 Major Projects - Head of Contracts & Procurement
 OMAN LNG

HALL 2

THEME: SULFUR RECOVERY

Mr. Rashid Al Alawi
 Maintenance Strategy & Support Team Leader
 PDO

13:15 – 13:45 Automatic Cooldown of MCHES for LNG Plants
 Presenter: **Mr. Khalid Al-Amri**
 Company: OMAN LNG

Low Acid Gas Concentration at ShGP SRU Module #5 and Extreme Runaway Temperatures during Latest Shutdown & Startup
 Presenter: **Mr. Saad Al-Amri**
 Co-presenter: **Mr. Mohammed Bu-Hassan**
 Company: SAUDI ARAMCO

13:45 – 14:15 Quench Dynamic Control System
 Presenter: **Mr. Fahad Alshamrani**
 Company: SAUDI ARAMCO

Quick Startup for Sulfur Recovery Unit and improve the unit Reliability
 Presenter: **Mr. Yousef Al-Sairafi**
 Company: KNPC

14:15 – 14:45 LNG Capacity Enhancement Without Any Modification
 Presenter: **Mr. Rajnish Kohli**
 Company: KNPC

HdGP Sulfur Recovery Unit Full Performance Enhancement
 Presenter: **Mr. Abdulrahman Al-Methn**
 Company: SAUDI ARAMCO

14:45 – 15:15 COFFEE BREAK

Foyer Area

HALL 1

THEME: LNG

Session Chairman
Mr. Talal Al Hadhrami
 Major Projects - Head of Contracts & Procurement
 OMAN LNG

HALL 2

THEME: DEHYDRATION & MRU

Mr. Rashid Al Alawi
 Maintenance Strategy & Support Team Leader
 PDO

15:15 – 15:45 ADGAS LNG Train-3 Debottleneck – Exploitation of Opportunities
 Presenter: **Mr. Onur Kripici**
 Company: ADNOC LNG

Kauther Gas Plant – TEG Troubleshooting
 Presenter: **Mr. Muhammad Akiel Anwar**
 Co-presenter: **Ms. Marwa Al Harrasi**
 Company: PDO

15:45 – 16:15 Thermal Relaxation of cryogenic systems
 Presenter: **Mr. Girish Agarwal**
 Company: OMAN LNG

Saudi Aramco Khurais Central Processing Facility's TEG Dehydration Unit Improvement Efforts
 Presenter: **Mr. Bader S Alabtain**
 Company: SAUDI ARAMCO

16:15 – 16:45 Oman LNG Lean and Continuous Improvement Journey
 Presenter: **Ms. Anna Plekhanova**
 Company: OMAN LNG

Importance of identifying proper location of Mercury guard bed
 Presenter: **Mr. K. S. Sabapathi**
 Company: KNPC

16:45 – 17:15 AFTERNOON SESSION WRAP-UP

CONFERENCE DAY 2: 7TH MARCH 2018

MORNING SESSION

HALL 1

THEME: SOUR GAS TREATING

Session Chairman
Mr. Badar Al Amry
 Lead Production Support Engineer
 OMAN LNG

08:00 – 08:30 Mercaptans Removal from Sour Gas with Hybrid Solvent in Amine Treating Unit-Case Study
 Presenter: **Mr. Dheeraj Nagwani**
 Co-presenter: **Ms. Fauzeya Al Marzooqi & Mr. Renaud Cadours (Total)**
 Company: ADNOC GAS PROCESSING

08:30 – 09:00 Feed Gas Quality Challenges At Acid Gas Removal Unit
 Presenter: **Mr. Meshal Al-Harbi**
 Company: SAUDI ARAMCO

09:00 – 09:30 Making CO2 Capture More Affordable in Middle East
 Presenter: **Mr. Gary Bowerbank**
 Company: SHELL

HALL 2

THEME: PROCESS OPTIMIZATION

Mr. Humaid Al Bahlooli
 Plant Integrity and Reliability Manager
 OMAN LNG

Applying Linear programming to Optimize a Gas Plant Production
 Presenter: **Mr. Mohammed Saati**
 Company: SAUDI ARAMCO

Selection of Optimized Gas Processing and Sulphur Recovery Technology Line Ups for Different Feed Gases
 Presenter: **Mr. Rajiv Srinivasa**
 Company: PDO

New Feed Gas for Oman LNG – Technical, Operational and Commercial Implications
 Presenter: **Mr. Andreas Knoll**
 Co-presenter: **Mr. Craig Lampert**
 Company: OMAN LNG

09:30 – 10:00 COFFEE BREAK

Foyer Area

HALL 1

THEME: SOUR GAS TREATING

Session Chairman
Mr. Badar Al Amry
 Lead Production Support Engineer
 OMAN LNG

10:00 – 10:30 Techno-economic impact of the next generation THIOPAQ O&G process for sulfur removal
 Presenter: **Mr. Hans Wijnbelt**
 Company: PAQELL

10:30 – 11:00 Optimized DGA Thermal Reclaimer Process Control Application to Enhance DGA Recovery
 Presenter: **Mr. Diki Andrian**
 Co-presenter: **Mr. Amjad A. Alshaer**
 Company: SAUDI ARAMCO

11:00 – 11:30 Commissioning Amine Plants in Extreme Environments
 Presenter: **Mr. Philip Le Grange**
 Company: AMINE EXPERTS

HALL 2

THEME: INTEGRITY & RELIABILITY

Mr. Humaid Al Bahlooli
 Plant Integrity and Reliability Manager
 OMAN LNG

Proactive Integrity Management using Integrity Threat Maps in Government Gas Operations
 Presenter: **Mr. Ramanathan Bharathi**
 Co-presenter: **Mr. Rashid AL Alawi**
 Company: PDO

Improving reliability of Anti-surge Control & Bypass Valve for a Compressor
 Presenter: **Ms. Teeba Al Akhzami**
 Company: OMAN LNG

"No Trip Campaign" – Novel approach to slash unscheduled deferment
 Presenter: **Mr. Ahmed Al-Harrasi**
 Company: PDO

11:30 – 12:00 MORNING SESSION WRAP-UP

12:00 – 13:15 PRAYER & LUNCH BREAK Foyer Area

AFTERNOON SESSION

HALL 1		HALL 2	
THEME: NGL RECOVERY		THEME: OPERATIONAL EXCELLENCE	
Session Chairman	Mr. Sulaiman Al Hadhrami Continuous Improvement Program Manager PDO	Mr. Abdullah Al Mahruqi Electrical Engineer Manager OMAN LNG	
13:15 – 13:45	Maximising Condensate Recovery in a Highly Efficient Gas Processing Facility Presenter: Mr. Abdul Rahman Al Maskari Company: BP OMAN	ADGAS Approach to Innovation & Improvement Presenter: Dr. Abdulhameed Alhosani Company: ADNOC LNG	
13:45 – 14:15	Capacity and NGL Recovery Enhancement Presenter: Mr. Ahmed Al Hammadi Company: ADNOC GAS PROCESSING	Field Operational Data For Hybrid Solvent Treatment Of Mercaptans In Unconventional Natural Gas Presenter: Mr. Bader AlSaadi Company: DOW CHEMICAL	
14:15 – 14:45	Troubleshooting hydrate issue in NGL section in KNPC Presenter: Mr. Karthik Rajagopalan Company: KNPC	Breaking the Norm Presenter: Mr. Yousef Aladsani Company: KOC	

14:45 – 15:15 COFFEE BREAK Foyer Area

HALL 1		HALL 2	
THEME: ENVIRONMENT		THEME: OPERATIONAL EXCELLENCE	
Session Chairman	Mr. Sulaiman Al Hadhrami Continuous Improvement Program Manager PDO	Mr. Abdullah Al Mahruqi Electrical Engineer Manager OMAN LNG	
15:15 – 15:45	Saudi Aramco Upstream Environmental Focus - Past, Present, and Future Presenter: Mr. Ensan M. El-Ayoubi Company: SAUDI ARAMCO	PWN Experience at KNPC MAA Refinery Presenter: Ms. Fatemah Fraidoun Co-presenter: Mr. Moudhi Al-Duweesh Company: KNPC	
15:45 – 16:15	Fire Incident BS-160 Presenter: Mr. Mohammad Al-Mutairi Company: KOC	Methodology for Sour Gas Projects Development Presenter: Mr. Jeremie Esquire Company: TECHNIP	
16:15 – 16:45	KOC Initiatives to Reduce Gas Flaring At West Kuwait Presenter: Mr. Talal Al-Otaibi Company: KOC	Gas In The Future Energy Mix - The Role Of Regulation & Sustainability Presenter: Mr. Ola Shakir Adio Company: PETROFAC	

16:45 – 17:15 AFTERNOON SESSION WRAP-UP

CONFERENCE DAY 3: 8TH MARCH 2018

MORNING SESSION

HALL 1		HALL 2	
THEME: PROCESS SAFETY		THEME: TECHNOLOGY & RESEARCH	
Session Chairman	Mr. Adnan Al Mashrafi HSE Advisor OMAN LNG	Mr. Hamed Al Mamri Engineering Quality Manager OMAN LNG	
08:00 – 08:30	Process safety culture in Oman Presenter: Mr. Sultan Al Busaidi Company: OMAN LNG	Successful Commissioning of Enhanced Electrochemical Gas Sensing Technology and Performance Comparison with Metal-Oxide Semiconductor Technology Presenter: Mr. Ibrahim Samir Al Ramadhan Company: SAUDI ARAMCO	
08:30 – 09:00	Successful Implementation of H2S Scrubbers to reduce H2S content in sales gas transmission pipelines Presenter: Mr. Jagannathrao Prakashrao Co-presenter: Ms. Nouf AlKaabi Company: ADNOC GAS PROCESSING	Using Welded Plate Heat Exchangers to Improve Process Economics Presenter: Mr. Robert Broad Company: GESMEX	
09:00 – 9:30	Revamp Of Gas Plants Fire & Gas Detection Using 3D Fire & Gas Mapping Technique Presenter: Mr. Saqib Siddiqi Company: PDO	Closed Loop Cooling Water System challenges Presenter: Mr. Hilal Al Yahyai Company: OMAN LNG	

9:30 – 10:00 COFFEE BREAK Foyer Area

HALL 1		HALL 2	
THEME: PROCESS SAFETY		THEME: TECHNOLOGY & RESEARCH	
Session Chairman	Mr. Adnan Al Mashrafi HSE Advisor OMAN LNG	Mr. Hamed Al Mamri Engineering Quality Manager OMAN LNG	
10:00 – 10:30	Pipework Vibration Risks Presenter: Mr. Sameer AlKindi Company: OMAN LNG	An industrial story The launch of a new heat exchanger technology Presenter: Mr. Florian Picard Company: FIVES GROUP	
10:30 – 11:00	Alarm Management Optimization in Oman LNG Presenter: Mr. Mohammed Mubarak AlHarthy Company: OMAN LNG	CARDO-type co-polyimide membranes for sour gas feed separations from natural gas Presenter: Ms. Afnan Alghannam Company: SAUDI ARAMCO	
11:00 – 11:30	Integrating Turbo Expander Presenter: Dr. Reza Agahi Company: ATLAS COPCO	Waste Heat to Power through ORC Technology Presenter: Mr. Tommaso Ferrari Company: TURBODEN	

11:30 – 12:00 MORNING SESSION WRAP-UP

12:00 – 13:15 PRAYER & LUNCH Foyer Area

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Contact:

Mr. Yaser Al Qashar

GPA Executive Officer

Gulf Cooperation Council Chapter

P.O. Box 25094, Awali, Kingdom of Bahrain

Tel. 973 17752310-17752403, Fax 973 17 008946

+973 3966 9553

Email:

yaser.alqashar@banagas.com.bh

tanvi.sagar@banagas.com.bh

naema.ali@banagas.com.bh

gpagcc@gmail.com