



5TH ANNUAL
**INTERNATIONAL
PIPELINE COATING
CONFERENCE
2018**

LATEST INNOVATIONS AND TRENDS IN PIPELINES
AND INDUSTRIAL TECHNOLOGY

22-24 APRIL 2018, SOFITEL ABU DHABI CORNICHE, ABU DHABI, UAE



KEYNOTE SPEAKER

Majed Abou Chaker

Senior Vice President- Offshore

National Petroleum Construction Company



WELCOME NOTE

International Pipeline Coating Conference (IPCC) 2017 attracted attendees worldwide including across the Middle East, Asia, Europe and the USA.

In addition to excellent networking opportunities, the conference connected oil and gas operators to discuss their latest projects and technical challenges associated with pipeline protection with technology and solution providers. Furthermore, technology providers presented the latest advances in enhancing pipeline coating and protection.

Become a part of the IPCC community in 2018 and benefit from an excellent opportunity to network with and mutually learn from the leading players in the industry in a unique, one of a kind event in the region.

The IPCC team look forward to welcoming you at the Sofitel Abu Dhabi Corniche for this valuable event.



Yours Sincerely,

Hannah Capstick
Event Director



WHO SHOULD ATTEND

Senior executives from Oil and Gas Companies across the region and internationally; Heads of Departments from International Oil Companies, Projects Leaders, Pipeline Manufacturers, Specifiers, EPC Contractors, Material Suppliers, Equipment Manufacturers and professionals in Research and Testing Organization and Coatings.

2018 TECHNICAL COMMITTEE



Auday Al Moman
NPCC



Dr. Ali Moosavi
Kuwait Oil Company



Julious Agastian
ADNOC



Muhammed Muzaffar Hussain
ADNOC



Rajendran Selvam
ADNOC



Mohamed Ali Jaber
Borouge



Lancy D' Silva
Shawcor



Bello Emilo
Akzo Nobel



Antoni Prieto
HEMPEL



Shibu Jacob
Jotun



Mustafa Dayyat
Valspar



Loai Barakat
Axalta

CONFERENCE AGENDA

DAY ONE: SUNDAY, 22 APRIL 2018

19:00 – 21:30 Registration & Welcome Cocktail Reception
Crystal C Ballroom, P3 Level, Sofitel Abu Dhabi Corniche

DAY TWO: MONDAY, 23 APRIL 2018

08:30 Registration & Refreshments
Crystal Ballroom A, P2 Level, Sofitel Abu Dhabi Corniche

09:30 Opening & Welcome Address

09:40 Opening by Conference Chairman

09:55 Welcome by Conference Chairman
Dr. Volker Börschel, Global Segment Manager Functional Powder Coatings, **Akzo Nobel Powder Coatings GmbH**

SESSION 1: EXTERNAL COATING

10:00 **Is Dual-Layer FBE a Forgotten Technology? Advances, Challenges and New Developments**

Over the past 40 to 50 years, Fusion-Bonded Epoxy (FBE) and three-layer polyolefin coatings have established themselves as the dominant coating systems for oil and gas pipelines worldwide. However, both systems have drawbacks. Dual Layer FBE Systems, although in the market for more than 25 years, are an often neglected attractive and cost-effective alternative.

This paper describes the forgotten technologies and new developments of Dual Layer FBE Systems and focusses specifically on the Gouge resistant system with its benefits, mechanical properties and advantages over Three-layer polyolefin systems.

Dr. Volker Börschel, Global Segment Manager Functional Powder Coatings, **Akzo Nobel Powder Coatings GmbH**

10:30 **Liquid Coatings for the Protection of External Surfaces of Pipelines**

The majority of pipeline coating developments are focused on fusion bonded epoxy (FBE) with liquid coating suppliers generally providing a tank coating offshoot for corrosion protection of the steel surfaces. There is a need to better evaluate the performance of liquid coatings, not as tank coatings, but as pipeline coatings – both for internal and external surface use. Irrespective of the chemistry of the coating, the systems need to resist the same environmental conditions, pipeline and soil movements, temperature requirements and longevity expectations as a FBE. Liquid coating technology has progressed with new coatings providing outstanding properties. This presentation will review some of the latest technologies that is of interest to specifiers and end users alike.

Richard Cowl, Global Concept Director – **Pipelines**, **Jotun Powder Coatings AS**

11:00 Morning Refreshment and Networking Break

SESSION 2: FIELD JOINT COATING

11:30 **Trends in External Field Joint Coating Systems and their Application for Onshore and Offshore Pipelines, with a Closer Look at Multi-Component Liquid coatings and Application by Automatic Spray Equipment (Onshore)**

The presentation will provide an overview of the use of different external field joint coating systems and their application for onshore and offshore pipelines, with reference to example applications. This will include a look at the technical and operational factors to be considered for the installation of field joint coating systems during pipeline construction. Multi-component liquid (MCL) systems have featured on major onshore projects around the world, involving application by the use of automated (mechanised) equipment and processes. The presentation will summarise some of the features of this system and the benefits in the use of automated application equipment.

David Bell, Business Development Manager, **PIH Developments in Thermoplastic Powder Coating Technology**

12:00

for Application via Flame Spray

The presentation will describe the science and technical aspects of thermoplastic polyolefin coating powders and combining this with engineering enhancements in the flame spray equipment design. Flame spraying of thermoplastic polyolefin coating powders has moved significantly from being an art to a controlled application process conferring the required material properties of the coated item. Polypropylene powders have been used to coat field joints as part of a 3 layer system whilst ensuring adhesion with the parent coating. Recent developments have been realized to create a flame sprayable polyethylene powder thereby allowing the coater to choose between polyolefins for specific projects. Plascoat has created both polypropylene and polyethylene products to coat field joints, buckles and bends via a mix of manual and semi-automated flame spray process. However, Plascoat has developed its technology further to allow flame spraying from a fully automated system for buckles and also field joints. The combination of powder technology and automation provides the coater with a choice between flame spraying and extrusion for pipeline coating and for field joints between flame spraying, tapes and sleeves.

Dr. Mohammed Shoaib Qureshi, Business Manager Oil & Gas, **Plascoat Systems Limited**

12:30 **Networking Lunch**
Corniche Restaurant, Level P1

SESSION 3: STUDIES

14:30 **Case Study: Investigation of Buckling Failure of Pipeline**

Buckling is a state which defines a point where equilibrium configuration becomes unstable under parametric change of load.

Don Xiaodong Wang, Head of Pipeline, **NPCC**

Alyaa Subhi G. Al Ghusain, Pipeline Engineer, **NPCC**

15:00 **Study: The Role of Polyolefin in Oil and Gas**

- Solid wall pipe for oil and gas transport
- 3LPO solutions for oil and gas
- Borouge's role in the oil and gas value chain

Sultan Khaled Al Kendi, Application Development Engineer, **Borouge PTE.**

15:30 Refreshment & Networking Break

16:00 **Study: Integrity of Coating: Cornerstone in Asset Integrity Management**

The aim of this study is to have an overview of coating related activities through different asset life cycles such as design, construction, inspection and maintenance until it reaches decommissioning and the obsolescence phase of the asset. This study shows how important the integrity of coating system is as an integral element to achieve the asset integrity objectives and to ensure safe and continuous operation of plant equipment with a minimal downtime. In many cases, coating is the most economical and feasible solution to protect asset from corrosion and extend the asset life. Having a reliable coating system shall reduce risk of equipment failure, hence consequently shall increase asset availability to perform its function in an efficient way. Alternatively corrosion due to coating failure, represents a major problem that can affect asset integrity, and overall plant performance which requires a serious consideration and more attention from integrity engineers while developing an asset integrity management system.

Ahmed I. Al Goburi, General Manager - Asset Integrity Management, **Intertek**

16:30 Chairman's Closing Remarks and end of Day One

CONFERENCE AGENDA

DAY THREE: TUESDAY, 24 APRIL 2018

09:00 Registration & Refreshments
Crystal Ballroom A, P2 Level, Sofitel Abu Dhabi Corniche

09:50 Opening by Conference Chairman's Welcome

Keynote Address

Majed Abou Chaker, Senior Vice President Offshore, **NPCC**

SESSION 1: INTERNAL COATING

10:00 **Is Confidence in Internal Pipe Coating for Corrosion Protection an Oxymoron?**

External pipe coating in the UAE is well established and there is a strong business industry to support this activity. However when it comes to internal pipe coatings there seems to be skepticism and frequently hear a comment "We tried it in the past and it was not successful". This is the reason for the title of the presentation - is it possible to have confidence in internal pipe coatings? or by nature of the process, it is just not possible especially where neither the coating material supplier, nor the applicator will guarantee the longevity of the coating after application. This presentation will take you through the industrial process of internal pipe coatings from an applicators point of view and will show how the coating process is checked and verified every step of the way, through to the final tests. The applicability of the coating types will be discussed and how the coating material manufacturers can assist and help build confidence. At the end of the presentation, delegates will have a good understanding of the internal coating process and will see how it is possible to have confidence in an internally coated pipe for the purpose of corrosion protection.

Peter Gabris, Assistant General Manager Sales, **Hilong**

10:30 **Can't Stand the Heat - The wait for an Anti-Corrosion Internal Pipe Coating System with Performance up to 400°F(205°C) is Over**

This presentation will take you through the background and need for high temperature resistance in coating, the importance of glass transition temperature and the development and testing of new high temperature coating.

Loai Barakat, Business Development Manager, Functional Powder Coating - Middle East, **Axalta Coating Systems**

11:00 Refreshment & Networking Break

11:30 **Panel Discussion: Working Specification Update**

This session will discuss the recommendations reached by the committee and encourage discussion and feedback from delegates
Panelists:

Loai Barakat, Business Development Manager, Functional Powder Coating - Middle East, **Axalta Coating Systems**

Peter Gabris, Assistant General Manager Sales, **Hilong**

Edward Currey, Business Development Manager, Line Pipe Services, **NOV Wellbore Technologies**

Dr. Volker Börschel, Global Segment Manager Functional Powder Coatings, **Akzo Nobel Powder Coatings GmbH**

12:00 GMA Garnet Video

12:15 **Networking Lunch**
Crystal Ballroom C

SESSION 2: PROTECTION

14:15 **Best Practices in Passive Fire Protection (PFP) Safety, the Primary Objective! Protecting Lives and Assets**

Factors affecting the suitability and integrity of a Passive Fire Protection (PFP) system installed on structural steel. A PFP system consists of an epoxy intumescent coating designed to protect substrates from fire and corrosion. Depending on the fire type, rating and design, PFP may require reinforcement.

PFP provides effective fire protection to a wide range of structures, vessels and equipment in variable fire scenarios. During a fire event the fireproofing system will chemically react; a char will form

and intumesce insulating the substrate; the char minimizes steel heat absorption and extends the time before the steel temperature reaches its state of plasticity (critical core temperature level). Any steel member has an inherent resistance to heat; the purpose of PFP is to enhance that natural resistance to the level required.

Epoxy PFP has been in use for many years with the first intumescent product utilized in the Oil & Gas Industry in 1974. Epoxy PFP (which can be reinforced prior to product application with metal reinforcement attached directly to the substrate; during application with fibre mesh or during manufacture with self-reinforcement) has consistently proven to be the product of choice with over 30 years of proven track record in severe environments globally.

Craig White, PFP Technical Service Manager, **Akzo Nobel**

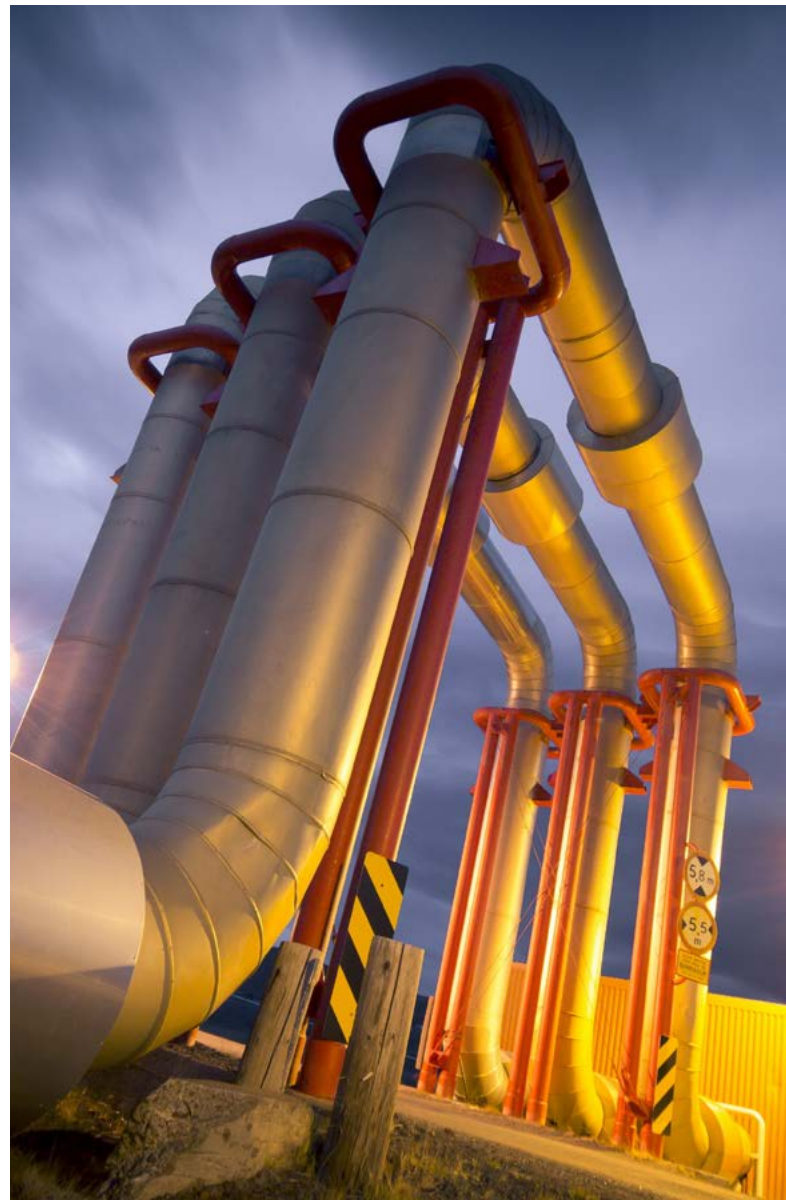
14:45 **Pipeline Protection: For a few Dollars Less.....**

In today's tough economy you need new and creative ways to save money, increase profit and improve efficiency.

Ioannis Inepkoglou, Application Marketing Manager, **Borouge**

15:15 Gift Draw and Chairman Closing Remarks End of Day Two

15:45 Refreshments & Networking



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KEY BENEFITS OF ATTENDING

Located in the UAE, one of the world's largest producers of oil and gas and home and neighbour to various national companies operating pipelines, making it the perfect hub to attract a large and diverse audience to conduct business.

- Network with key players in pipeline protection from the GCC and Internationally at the only event of its kind in the region
- Discover the latest technologies and solutions for the pipeline industry
- Hear key experts discuss the trends and opportunities in pipeline coating for the region
- Explore and debate on the latest application techniques
- Gain knowledge on important project updates in the Middle East

SOCIAL GATHERING

COCKTAIL RECEPTION

A welcome cocktail reception shall be held on the evening of the 1st Day - 22 April 2018, the reception will be 19:00 to 21:00. Speakers, Delegates and technical committee are welcome to meet and socialize with each other.

23-24 April 2018, Sofitel Abu Dhabi Corniche, Abu Dhabi, UAE

HOTEL ACCOMMODATION

Sofitel, Abu Dhabi Corniche has agreed to reserve a limited number of rooms, delegates are responsible for their booking, the special rates is AED 650 for single and double room (breakfast, Wi-Fi, service) & municipality fee are included. To book, contact reservations on:

T: +971 (0) 2 813 77 77 **E:** H7507@sofitel.com



Register today: E: hannah@mazejevents.com | T: +971 (0) 50 394 9775 | W: www.mazejevents.com/ipcc2018

HOW TO REGISTER

Email: Fill out this form and email it to info@mazeejevents.com for invoice and payment via bank transfer

Website: Fill out the online form and pay via Paypal on the event website: www.mazeejevents.com/ipcc2018 under "Registration"

DELEGATE INFORMATION

FIRST DELEGATE:

Mr/Mrs/Miss/Ms/Dr/Other*:

First Name*:

Last Name*:

Job Title*:

Department:

Tel*:

Fax:

Mobile:

Email*:

SECOND DELEGATE:

Mr/Mrs/Miss/Ms/Dr/Other*:

First Name*:

Last Name*:

Job Title*:

Department:

Tel*:

Fax:

Mobile:

Email*:

THIRD DELEGATE:

Mr/Mrs/Miss/Ms/Dr/Other*:

First Name*:

Last Name*:

Job Title*:

Department:

Tel*:

Fax:

Mobile:

Email*:

COMPANY DETAILS

Company Name*:

Address*:

Postcode*:

City/Country*:

*Mandatory fields

22-24 April 2018
Sofitel Abu Dhabi Corniche, Abu Dhabi, UAE

BOOKING DETAILS

3 DAY EVENT

IPCC 2018	Early Bird Booking before 15 th February 2018	Booking After 15 th February 2018	Number of Delegates	Total
Conference	£1,100	£1,200	<input type="text"/>	£

Prices are inclusive of VAT.

For more delegates, please fill out another booking form. For groups of 5 or more delegates from oil and gas operating companies, please email info@mazeejevents.com for a discounted booking form.

PAYMENT METHOD

☐ I want to pay via bank transfer.

MASHREQ Bank PSC, Salam Street, branch code 026, Abu Dhabi, UAE

Account: MAZEEJ FZ LLC, Number: 019100032301

IBAN: AE 760330000019100032301, Swift: BOMLAHAD

Please send the deposit slip: hannah@mazeejevents.com

☐ I want to pay via Paypal. Please visit the website at www.mazeejevents.com/ipcc2018 and under the "Registration" tab, please fill the online booking form and make the payment via Paypal. A confirmation will be sent to you within 3 days via email once the payment is complete.

Authorisation Signature*:

Date*:

TERMS AND CONDITIONS

OFFICIAL VENUE AND HOTEL ACCOMMODATION

International Pipeline Coating Conference will take place at UAE.

Please visit the event website under "Venue and Accommodation" for a hotel booking form. **Early booking is recommended, as room availability is limited.**

PAYMENT AND REGISTRATION TERMS AND CONDITIONS

PAYMENT: Confirmation and invoice will be sent within 3 days. Payment is due immediately. If payment has not been received before the start of the event, delegates will be refused entry. We recommend you check with your finance department that payment has been made before travelling.

All 'Early Bird' and other Discounts require full payment at the time of registration and before any cut-off date in order to receive the discount. Should payment not be made, a subsequent charge will be applied to bring the registration fee up to the full rate.

CANCELLATION POLICY: Made within 48 hours of receipt of the completed registration form will be eligible for a full refund. Received in writing within one month of the start date of the event will receive no refund and registrants will be liable for payment of 100% of the invoiced amount. Substitutes are accepted at any time. All refunds made exclude flight/hotel cancellation charges.

FORCE MAJEURE: In case of force majeure Mazeej (The Organisers) are relieved of all obligations. Force majeure includes any circumstances beyond the will of The Organisers, that impedes permanent or temporary compliance with the obligations, such as 'acts of god' including war, danger of war, government regulations, revolts, strikes, transportation difficulties, fire or severe disturbances affecting the conference organisation or its suppliers.

IMPORTANT NOTES: This booking form constitutes a legally binding contract. It may be necessary for reasons beyond the control of The Organisers to change the content and timing of the programme, speakers, date or venue. In the unlikely event of the programme being cancelled, The Organisers will issue a credit note or make a full refund but disclaim any further liability. The official language of the conference in English and no translation will be provided.

CUSTOMER SERVICES: For questions concerning your registration, attendance, visa support and invoice payments, please contact our Customer Services Department, Email: info@mazeejevents.com

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