

The Dow Chemical Company

Senior Technology Adviser, Corporate Strategic Planning, Exxon Mobil Corporation

CFO. **Philadelphia Energy** Solutions

Senior Vice President, Antero Resources Corporation

PETROCHEMICAL

UPDATE

Director of Construction **Linde Engineering North** America Inc.

- ▶ **PROJECT UPDATES:** Hear from the leading operators and contractors on the latest updates regarding their planned mega projects
- ▶ PROJECT EXECUTION STRATEGIES: How to plan and execute a successful Petrochemical mega construction project in the North East
- ▶ THE WORKFORCE CHALLENGE: how to develop effective workforce strategies to ensure the development of sufficient engineering & craft labour for planned projects
- ENVIRONMENTAL PERMITS & REGULATION: Hear from the region's leading environmental and permitting authorities on the latest in Petrochemical regulation developments
- ▶ INFRASTRUCTURE: How to overcome infrastructure limitations and the latest regional initiatives and investments focussed on supporting Petrochemical industry growth

WHY ATTEND THE NORTH EAST WORKFORCE CONFERENCE?

- 200+ attendees from petrochemical companies, engineers and constructors. education institutions, alliances and solution providers
- Senior level thought leaders sharing expertise on regional planning, infrastructure & more
- 10+ booth exhibit space featuring press, solution providers and associations

TOP SPEAKERS INCLUDE:



How to 'crack' the North East Petrochemical market: Overcoming CUPDATE regional challenges to boost performance on mega projects in 2016 & beyond

Following on from our world leading **Petrochemical Engineering & Construction Conference (Gulf Coast)** Petrochemical Update is pleased to present the North East & Canada Petrochemical Construction Conference (June 27-28, Pittsburgh) – specifically focussed on the planned 2nd wave of Petrochemical mega projects in the North East US and Canada region.

The shale gas boom in North America has transformed petrochemical manufacturers in the US & Canada from high-cost producers of key petrochemicals and resins to some of the lowest-cost producers globally, second only to the Middle East, ushering in a wave of new ethylene capacity construction.

North Eastern Petrochemical Renaissance

With 3 brand new Petrochemical mega projects (representing \$13 billion+ investment) in the pipeline the North Eastern US is standing at the edge of a potential boom in industrial growth as Petrochemical producers look to capitalize on the huge abundance of stranded, low cost ethane feedstock and the close proximity to end user markets – including:

- 1. Odebrecht / Braskem Project ASCENT 1 million tons per year (mmtpy/mtpa) cracker in West Virginia (brownfield),
- 2. PTT/Marubeni Ethane Cracker 1 mmtpy cracker in Ohio (greenfield)
- 3. Shell Appalachian Cracker 1.5 mmtpy project in Pennsylvania (brownfield)

As well as this Canada recently announced its \$500 million royalty credit program launched by Alberta's government to spur the construction of 3 new plants to process propane and methane leading to another potential boom in Petrochemical construction activity. What's clear is that this is a huge opportunity for the region and your business but key regional and market challenges need to be addressed in order to deliver on this huge potential.

Which is why we have developed the North Eastern US & Canada Petrochemical Construction conference to bring together all the key stakeholders involved in the successful development of projects in the region. This is your opportunity to meet with the senior executives working at the heart of these important projects to form partnerships and address key regional challenges such as:

- **Project Updates:** Hear from the leading operators and contractors on the latest updates regarding their planned mega projects
- **Project Execution Strategies:** How to plan and execute a successful Petrochemical mega construction project in the North East
- The Workforce Challenge: how to develop effective workforce strategies to ensure the development of sufficient engineering & craft labour for planned projects

• Environmental Permits & Regulation: Hear from the region's leading environmental and permitting authorities on the latest in Petrochemical regulation developments

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• **Infrastructure:** How to overcome infrastructure limitations and the latest regional initiatives and investments focussed on supporting Petrochemical industry growth

Also you'll be able to meet, form partnerships and do business with all the major stakeholders from across the value chain including:

- Petrochemical Project Owners
- Engineering & Construction Companies
- Regional & State Governments
- Permitting & Regulatory Authorities
- Exploration & Production Companies
- Mid-Stream Infrastructure & Feedstock providers
- Supply Chain and logistics firms
- Lawyers, consultants and other key service providers

If you want to ensure your business is at the forefront of this planned boom in industrial investment, then this event is a must attend for you. Join the 150+ senior level decision makers this June in Pittsburgh and secure your share of this burgeoning market opportunity. This event is expected to sell out so secure your seat early while tickets remain.

Why attend?

- 200+ attendees from petrochemical companies, engineers and constructors, education institutions, alliances and suppliers
- Senior level thought leaders sharing expertise on regional planning, infrastructure & more
- 10+ booth exhibit space featuring press, solution providers and associations

We look forward to welcoming you to the event June 27-28th in Pittsburgh.



Tamsin Cardale *Event Director* T: +44 (0) 207 375 7500 1 800 814 3459 ext. 4325



Paul Robinson Business Development -Oil, Nuclear & Petrochemicals +44 207 375 7521 US Toll-Free: 1 800 814 3459 7521



Expert Knowledge and Strategic Insight from the leading Petrochemical Companies, Engineering and Construction Companies, Education Institutes, Economic Alliances and Associations

PA pennsylvania PARTMENT OF COMMUNI	Dennis Davin Secretary, Pennsylvania Department of Community and Economic Development	American [°] Chemistry Council	Dr. Thomas Kevin Swift Chief Economist & Managing Director, Economics & Statistics American Chemistry Council	B LA N K ROME II	Michael Krancer Partner Blank Rome LLP (Former Secretary, Pennsylvania Department of Environmental Protection)
ExonMobil	Dr. Tahmid Mizan Senior Technology Adviser, Corporate Strategic Planning Exxon Mobil Corporation	TRADEPOINT	Joe Greco VP of Commercial & Trade Development, Trade Point Atlantic	KLABER GROUP	Kathryn Klaber CEO The Klaber Group
niteresse Linde	Jerry Price Director of Construction Linde Engineering North America Inc.	PORTS AMIRICA CHESAPEAKE	Mark Schmidt Terminal Manager, Ports America Chesapeak	ဖ Nexant	Bill Tittle Chemical Industry Expert Nexant
West Virginia	Keith Burdette Secretary of Commerce - Executive Director of WV Development Office		Donovan Murray Manager Port Operations Services, Maryland Port Administration	SARNIAC N	George Mallay Analyst, Sarnia Lambton Economic Partnership
USA	West Virginia Department of Commerce		Christian Jensen President of the Jensen Companies, TCI Packaging	An	Keith Burdette Secretary of Commerce - Executive Director of WV
	Steve Woodward Senior Vice President, Antero Resources Corporation		Dave Cannelongo Manager of Crude, Condensate	West Virginia	Development Office, West Virginia Department of Commerce
VV MA	Rebecca McPhail President, West Virginia Manufacturers Association		and NGL sales, Antero Resources Corporation Scott Mandirola Director, West Virginia	JobsOhio	David Mustine Senior Managing Director for Shale Energy & Petrochemicals, Jobs Ohio
	Jen Klein President, Ohio Chemistry Technology Council	dep	Department of Environmental Protection Scott Roy	Dow	Tim O'Neal Production Director The Dow Chemical Company
JACOBS	Matthew Clark Director - Workforce Development, Jacobs	RANGE RESOURCES	VP Government Relations, Environmental Compliance Safety & Security, Range Resources Corporation		Richard Hoffman Executive Director INGAA Foundation
	Dale Adcox Senior Construction Consultant Bentley Systems	nt (per esse	Paul Dainora Director Business Development - Petrochemical Plants The Linde Group	AECOM	Andrew Leitzinger Vice President AECOM
🗱 SPILMAN	Scott Rotruck Director of Energy and Transportation Services		Deb Grubbe President & CEO Operations & Safety Solutions	AECOM	Rick DeCesar VP, Appalachian Basin AECOM
	Spilman Thomas & Battle, PLLC Marc Halbritter Senior Vice President, Business		Jeffrey Logan President, Pennsylvania Chemical Industry Council (PCIC)	BOARD OF COMMISSIONERS	Ginny Favede Commissioner, Belmont County Commissioners
	Development, Blueracer Midstream/ Caimen Energy Matt Curry		Craig Butler Executive Assistant to Governor Kaisch, State of Ohio	SJ	Kathy Beckett Attourney Steptoe Johnson LLP
	Director Business Development, Range Resources	Chevron	Marc Payne Manager Business Development	KallanishEnergy	Rick Stouffer Energy Editor Kallanish Commodities
Sunoco Logistics	Hank Alexander Vice President Sunoco Logistics		& Planning Appalachian / Michigan Business Unit (AMBU), Chevron	U.S. DEPARTMENT OF ENERGY	Hillary Bright Economic Development Specialist, US Department of
BECHTEL	Sam Lyon, Global Workforce Services Manager, Bechtel	PHILADELPHIA	Philadelphia Energy Solutions	0	Energy Stephen Cabano <i>Owner,</i> Pathfinder LLC
FAT-N Assering Backets Watcheds	Bob Courcy Vice President Sales, Eaton, Electrical Sector Oil & Gas	"ABA, DREATER PHILADELPRIA CHAMBER OF COMMERCE	Lisa Crutchfield Senior Vice President of Advocacy and Public Affairs, Advocacy, Greater Philadelphia	hilldale SERVICES INC	Doug Hill Construction Project Manager Hilldale Services Inc.

Visit the website now for all the latest updates on speakers, sponsors and the full agenda: www.petchem-update.com/northeast/

Chamber of Commerce

Overcoming Regional Challenges to Deliver on the North East's Planned Petrochemical Mega Projects

MONDAY JUNE 27: DAY ONE CONFERENCE PROGRAM

Chaired by

09.10 - 9.50 Keynote TBC

9.50-10.20 The Outlook for Energy: A View to 2040

The Outlook for Energy is ExxonMobil's long-term, global view of energy demand and supply. Its findings help guide our long-term investments, and we share The Outlook to help promote better understanding of the issues shaping the world's energy future.

Dr Tahmid Mizan, *Senior Technology Adviser, Corporate Strategic Planning,* **ExxonMobil Corporation**

10.20 - 11.00 Regional Governance: on Infrastructure and planning for growth

- Learn about governmental steps being taken in order to help support the growth and development of the regional petrochemical industry
- Assess factors which could impact the regional market such as regulation, disaster, public opinion, price and others to de-risk project investment
- Identify the key barriers, challenges and opportunities facing development in the region and what this means for your business and the local economy

Keith Burdette, Secretary of Commerce - Executive Director of WV Development Office, West Virginia Department of Commerce

David Mustine, Senior Managing Director for Shale Energy & Petrochemicals, **Jobs Ohio**

Dennis Davin, *Secretary*, **Pennsylvania Department of Community and Economic Development**

Ginny Favede, *Commissioner*, **Belmont County Commissioners**

Moderator: Scott Rotruck, *Director of Energy and Transportation Services*, **Spilman Thomas & Battle, PLLC**

11.00 - 11:30 NETWORKING COFFEE BREAK

11:30 -12:00 Keynote: Phil RinaldiInformation to follow.

12.00 -12.40 Infrastructure, Investment and Development

- Key updates and developments in the Northeast's midstream infrastructure assets
- Understand just how much gas is being gathered in the northeast region and the amount of fractionation capacity currently available

 Learn about the key need for increased NGL storage facilities – particularly for ethane and steps being taken to address this

Marc Halbritter, Senior Vice President, Business Development, Blueracer Midstream/ Caimen Energy

Richard Hoffman, *Executive Director*, **INGAA Foundation**

Moderator: Charlie Schliebs, *CEO*, **Energy** Innovation Centre

12.40 - 2.00 NETWORKING LUNCH BREAK

2.00 - 2.30 Key Regulatory, Community, Environmental & Permitting Considerations for NE Projects

- How to approach both the federal and state permitting process so you can successfully overcome common pitfalls in project approval
- Infrastructure & community considerations for Brownfield developments
- Hear case study examples from companies who have successfully navigated permitting, regulatory and community hurdles to project development. What are the major lessons learned?

Kathy Beckett, *Partner*, **Steptoe & Johnson PLLC**

2.30 - 3.10 Benefits of Modular Construction & Identifying Risk Early On for Northeast Projects

- Learn about innovative ways to minimize cost escalation through methods such as modularization of construction
- Realistic outlook into the risks for new facility development and how working alongside a respected EPC can help ensure your project delivered on time and within budget
- Expert insight into the 'unknown' project risks facing petrochemical projects in today's market place; how to identify these risks, what they mean for your project objectives and how to mitigate their overall impact

Deb Grubbe , *President & CEO*, **Operations & Safety Solutions**

Scott Roy, VP Government Relations, Environmental Compliance, Safety & Security, **Range Resources Corporation**

3.10 - 3.50 GPEAT Case Study/ Petrochemical Opportunities in Philadelphia

Information to follow

3.50 - 4.20 NETWORKING COFFEE BREAK



4.20 - 4.50 Addressing the Shortage in Skilled Craft Labor

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- Insight into key forecasts of labor needs, and possible scheduling strategies so everyone can utilize key resources
- Hear from Owners and Contractors on their immediate and long term strategies to source skilled craft workforce (welders, pipefitters, truck drivers, crane operators, etc.) to support planned petrochemical facility construction
- Real life experience from Owners and Contractors in securing craft labor and working effectively with the construction workforce to deliver projects within set timelines, i.e., developing employment packages to improve retention, 'employment villages', ensuring project implementation plans straightforward to avoid time delays
- How to manage possible transitions of labor from upstream Engineering & Construction (E&C) (and other industries shedding jobs) to downstream E&C projects

Sam Lyon, *Global Workforce Services Manager*, **Bechtel**

Matthew Clark, Director Workforce Development, Jacobs

Dale Adcox, Senior Construction Consultant, Bentley Systems

Moderator: Paul Dainora, *Business Development*, **Linde**

4.50 - 5.30 Strategies for Successful Project Execution on Northeast Projects

- Hear from major Owners/Operators, Engineering, Procurement and Construction contractors (EPCs) and leading consulting firms on the need to work together in a cooperative way on major projects to help limit costs and ensure successful project execution and continued industry growth
- Insight into some of the key challenges impacting successful project execution in the region and the way in which the construction industry is working to address them
- With a nationwide 'gap in project planning and execution experience', hear what companies are doing to identify, mitigate and manage project risk, resource needs and contracting strategy in today's market place

Panelists:

Jerry Price, *Director of Construction*, Linde Engineering North America Inc.

Rick DeCesar, VP Appalachian Basin, AECOM

Doug Hill, Construction Project Manager, Hilldale Services Inc.

Moderator: Steve Cabano, *Owner*, **Pathfinder LLC**

5.30 NETWORKING DRINKS RECEPTION END OF DAY

Overcoming Regional Challenges to Deliver on the North East's Planned Petrochemical Mega Projects



TUESDAY JUNE 28: DAY TWO CONFERENCE PROGRAM

9.00 - 9.40 The Northeast Regional Petrochemical Market for Marcellus/ Utica Chemical Feedstocks -

- Maximizing the Potential for Growth
- Organized by the Marcellus Shale Coalition, Petrochemical Work Group
- The US Northeast Region sits atop a world-class reserve of natural gas liquids (NGLs). The factors affecting to what extent these NGLs will be used to produce petrochemicals here in this region are local, regional as well as global in scope
- A panel of experts from the region's petrochemical industry will explore these factors and what can and should be done to maximize the potential for petrochemical industry growth here in the Northeast

Jeff Logan, *President*, **Pennsylvania Chemical Industry Council (PCIC)**

Jenn Klein, *President,* **Ohio Chemistry and Technology Council**

Jennifer McPhail, *President*, West Virginia Manufacturers Association

Kevin Swift, Chief Economist & Managing Director, American Chemistry Council

Tim O'Neal, *Production Director*, **The Dow** Chemical Company.

Moderator: Andrew Leitzinger, *Vice President, AECOM – Marcellus Shale Coalition,* **Petrochemical Work Group**

9.40 - 10.20 TCI Panel Discussion

Information to follow

Panelists:

Joe Greco, VP of Commercial & Trade Development, **Trade Point Atlantic**

Mark Schmidt, T*erminal Manager,* **Ports America Chesapeake**

Donovan Murray, *Manager Port Operations* Services, Maryland Port Administration

Christian Jensen, *President of the Jensen Companies,* **TCI Packaging**



10.20 - 11.00 Navigating Regulatory and Permitting Issues in the Northeast Region

- Hear from leading government agencies on up-to-date information on permitting and regulations for petrochemical facility development
- Understand how the federal, state and local governments plan to work with the petrochemical industry to support further growth
- How to approach both the federal and state permitting process so you can successfully overcome common pitfalls in project approval

Scott Mandirola, *Director*, **West Virginia Department of Environmental Protection**

Kathryn Klaber, CEO, **The Klaber Group**

Michael Krancer, *Partner*, **Blank Rome LLP** Moderator: Craig Butler, *Executive*

Assistant to Governor Kasich, State of Ohio

11.00 - 11.30 NETWORKING COFFEE BREAK

11.30 12.10 Producer Perspective Panel Discussion

Information to follow

Steve Woodward, *Senior Vice President,* Antero Resources Corporation

Hank Alexander, *Vice President,* Sunoco Logistics

Matt Curry, Director Business Development, Range Resources

12.10 - 12.50 Construction Outlook for Petrochemical Industry in the Northeast Region

- Understand how price volatility and policy uncertainty will impact proposed projects and the current marketplace
- Find out how you can make your project more competitive by reviewing key studies and analyses on existing project data
- Exclusive outlook for the construction of new facilities and how this will impact the Northeast American petrochemical market specifically

Mike Banach, *Senior Business Leader, Petrochemicals,* **Honeywell UOP** Moderated by Reed Smith

12.50 - 2PM NETWORKING LUNCH

2.00 - 2.30 Addressing Transportation & Logistics Challenges in the Northeast

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- Hear from leading rail, trucking & shipping companies on the steps they are taking to overcome current industry bottlenecks
- Looking at why the proximity to the domestic market could be a major pull for operators in the near future
- Forecasts for rail, trucking and shipping rates & tariffs in the Northeast, over the next 3-5 years

2.30 - 3.00**Tax Free Zones for Natural** Gas: Keystone Energy Enhancement Zones Explained

- Learn of proposed unique tax breaks in the Northeast resulting in potential higher profits for your business
- Detailed explanation of how the proposed zones would work
- Insight into the debate on how Pennsylvania can best benefit from the natural gas industry
- Tent.

3.00 - 3.30 Marcellus/Utica Shale: Can the supply eclipse Northeast demand?

- By 2020, the ethane throughput in Ohio should be around 162,000 barrels per day. Anticipate the Opportunity & Challenges, get ahead of the game
- Ensure your competitive advantage within the mid-Atlantic west market by securing the sale of your product during this time of market boom
- Hear from leading market analysts, about forecasts & trends expected over the next decade

Rick Stouffer, Energy Editor, Kallanish

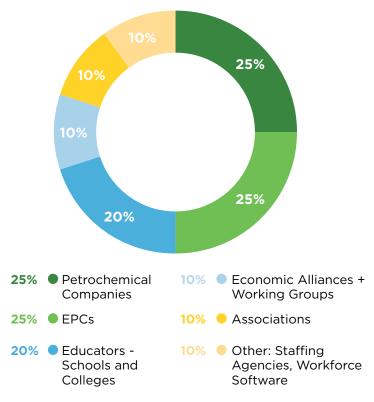
3.30PM NETWORKING COFFEE BREAK, END OF CONFERENCE



Unrivalled Networking: Facts and Stats for The Northeast US Petrochemicals Conference & Exhibition



WHO WILL YOU MEET AT THE CONFERENCE?



Stand Out From The Crowd:

Showcase your products and services in front of the North American Petrochemical industry. The Workforce Conference & Exhibition provides you with an un-missable opportunity to showcase your products and solutions to a host of key potential clients with real spending power.

PREVIOUS ATTENDEES/SPONSORS AT OUR EVENTS INCLUDE:



TAILOR-MADE SPONSORSHIP OPTIONS

The Northeast US Petrochemicals Conference & Exhibition offers you an excellent range of sponsorship and exhibition opportunities to suit every need and budget

We will tailor-make a sponsorship package to fit your needs meaning that you can speak, build your brand and get exposure for your services and technology in front of the leading Petrochemical Manufactures, EPC's, midstream infrastructure developers and more

Do not miss out on the unrivalled opportunity exhibit and generate sales from the Petrochemical Construction boom

OPPORTUNITIES AVAILABLE INCLUDE:

- One to One meetings with key decision makers
- Take a speaking slot and address 200+ industry leaders
- Show off your latest products in the exhibition hall
- Build your brand with exclusive promotional opportunities
- Host interactive workshops, networking sessions
- Secure high level branding of conference materials

Make sure you stay ahead of the competition and secure your place now!

You will benefit from multiple opportunities to talk with the clients and prospects you want to do business with and kick-start your sales. All under one roof and all in just two days - saving you both time and money!

Call me now to discuss your Petrochemical marketing strategy



Paul Robinson Business Development – Oil, Nuclear & Petrochemicals Call: **+44 207 375 7521** US Toll-Free: **1 800 814 3459 7521** Email: **probinson@petchemupdate.com**

NEP NORTHEAST US & CANADA PETROCHEMICAL CONSTRUCTION CONFERENCE & EXHIBITION



June 27 -28th, 2016 | The Marriott Hotel, Pittsburgh City Centre, PA

Booking two or more passes? Email Tamsin for group discounts tamsin@petchemupdate.com

1. Select Your Registration Package						
PASS PRICES:	LAST CHANCE Last Chance 27/05/2016	STANDARD				
 Business Pass Full 2 day pass - all sessions, networking lunches and drinks Access to the online e-networker in advance of the conference Access to both audio recording and slides for all presentations post event 	\$1895	\$1995				
 Basic Pass Full 2 day pass - all sessions, networking lunches and drinks Access to the online e-networker in advance of the conference Access to the presentation slides post-event 	\$1795	\$1895				
 Petrochemical Producer Subsidized Pass Only available for Petrochemical Producer Owner Companies Approval process when you register to make sure you qualify for this pass Full 2 day conference pass Access to the online e-networker in advance of the conference Audio recording and slides for all presentations Full access to our lunch and refreshments throughout the conference 	\$1195	\$1195				
 State / Educator Pass Full 2 day pass - all sessions, networking lunches and drinks Access to the online e-networker in advance of the conference Access to the presentation slides post-event Applicable to state agencies/workforce commissions or state schools / community 	\$795	\$895				

2. Enter Attendee details

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NB: FULL PAYMENT MUST	BE RECEIVED BEFORE THE EVENT			

Cancellation Policy

Places are transferable without any charge. Cancellations before 27th May 2016 will incur an administrative charge of 25%. If you cancel your registration after 27th May 2016 we will be obliged to charge you the full fee. NB - you must notify FC Business Intelligence in writing of a cancellation, or we will be obliged to charge you the full fee. The organisers reserve the right to make changes to the programme without notice. All prices displayed are exclusive of VAT unless otherwise stated but, VAT will be charged, where applicable, at the prevailing rate on the invoice date and the relevant details will appear on the invoice. FC Business Intelligence takes every care to ensure that prices quoted are correct at time of publishing however; bookings will only be accepted if there is no material error in the price advertised on the website. Designed by the The Creative Tree (www.thecreativetree.cc.uk)