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Euro Petroleum Consultants

CO-HOSTED BY



SUPPORTED BY



# ASIA-TECH 2019

ASIA DOWNSTREAM TECHNOLOGY FORUM

# POST SHOW REPORT

BALI, INDONESIA  
8 -10 OCTOBER 2019





**CO-HOSTED BY:**



Indonesian Olefin, Aromatic and Plastic Industry  
Association (INAPLAS)

**OFFICIAL SUPPORTING GOVERNMENT  
BODY:**



The Kementerian Perindustrian Republik Indonesia /  
Ministry of Industry

**SPONSORS:**

**ExxonMobil**

**Axens**  
Powering integrated solutions



**wood.**

**Air Liquide**

Other supporting organisations were:  
The Malaysian Petrochemical Association (MPA) & the  
Petrochemical Industry Club – The Federation of Thai Industries  
(FTIPC)





# ASIA-TECH

The 2019 edition of the EPC premier technical downstream event for the Asia & Asia Pacific region

## ASIA-TECH 2019

Asia Technology Forum for Refining & Petrochemicals was held on 8-10 October at Hilton Bali Resort on Bali's Nusa Dua Peninsula.

The three-day conference was attended by over 100 delegates representing a broad spectrum of the Asian downstream sector ranging from oil refiners and petrochemical producers including:

ADNOC REFINING, CHANDRA ASRI PETROCHEMICAL, HANWHA-TOTAL PETROCHEMICAL, HYUNDAI OILBANK, INAPLAS, LOTTE CHEMICAL TITAN, PERTAMINA, PETRONAS, PETRONAS LABUAN METHANOL, POLYTAMA PROPINDO, PT PUPUK INDONESIA, PTTGC, SAUDI ARAMCO, SINOPEC, S-OIL CORPORATION, THAI OIL amongst others, to leading international suppliers of technology, services and equipment.

# ADVISORY BOARD



**Napaporn Ratanapoka**  
Refinery Technical  
Manager  
**PTT GLOBAL CHEMICAL**



**Mr Suhatmiyarso**  
Vice President Corporate  
Communication  
**PT CHANDRA ASRI**



**Larry Tan**  
Vice President, Chemical  
Industry Consulting, Asia  
**IHS MARKIT**



**Stefan Chapman**  
Vice President  
**EURO PETROLEUM CONSULTANTS**



**Didik Susilo**  
Chairman  
**INAPLAS**



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

## ASIA-TECH 2019 KEY TOPICS:

- Global & Regional Refining & Petrochemicals Markets Trends
- Implementing Digital Strategies, Approaches, Tools & Solutions
- Refining Petrochemicals Integration
- Technologies for Olefins, Polyolefins, Aromatics & Derivatives
- Clean Fuels, FCC, RFCC & other Refining Technologies Updates
- Residue Upgrading Technologies: Hydroprocessing & Thermal
- Sulphur & Hydrogen Management
- Innovations in Equipment and Catalysts
- Case Studies on Key Project Implementations





## OPENING REMARKS

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Mr. Didik Susilo

Chairman of INAPLAS and  
President Director of PT  
POLYTAMA PROPINDO

## KEYNOTE PRESENTATION

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Mr. Muhammad Khayam

Director General of Chemical  
Industry  
MINISTRY OF INDUSTRY OF  
INDONESIA



## SPECIAL PRESENTATION

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Mr. Dadi Sugiana

Senior Vice President  
PERTAMINA



# SPEAKERS



أرامكو السعودية  
Saudi Aramco



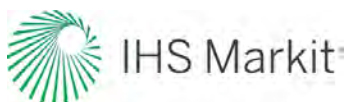
wood.



ExxonMobil



Nexant



Hyundai Oilbank



Crystaphase



PETRONAS



Chandra Asri  
Petrochemical



BOREALIS

Schlumberger



SNC • LAVALIN



## DAY 1, Tuesday, 8<sup>th</sup> October

8:30 Registration & welcome coffee

9:00 Opening remarks

**Stefan Chapman, Vice President,**  
Euro Petroleum Consultants (EPC)



9:05 Welcome address

**Didik Susilo, Chairman, INAPLAS**  
& President PT POLYTAMA PROPINDO



### 9:10 DOWNSTREAM MARKETS & INDUSTRY TRENDS OVERVIEW

9:10  Indonesia Petrochemical Industry Development in Facing 4.0 Digitalization  
**Achmad Sigit, Director General of Chemical, Pharmaceutical & Textile**  
**MINISTRY OF INDUSTRY OF REPUBLIC INDONESIA**

9:30  Pertamina Developments & Future Plans  
**Heru Setiawan, Member of the Board, Director of Planning, Investment & Risk Management**  
**PERTAMINA**


9:50  Navigation through Volatility  
**Larry Tan, Vice President, Chemical Consulting**  
**IHS MARKIT**

10:10  Overview of the Asian Refining Industry Trends  
**Clive Gibson, Vice President, Energy & Chemicals Advisory**  
**NEXANT**


10:20 Q&A, Discussion

10:30 NETWORKING COFFEE BREAK sponsored by **ExxonMobil**

### 11:00 MAINTAINING COMPETITIVE ADVANTAGE THROUGH DIGITALISATION: STRATEGIES, APPLICATIONS & TOOLS

11:00  ADNOC Refining towards the Implementation of Digital Twins, Prospects & Challenges  
**Mohamed AL Musharfy, Manager, Technical Services, Research Centre Division**  
**ADNOC REFINING RESEARCH CENTRE**

11:20  Digital Performance Management Solution for Catalytic Process Units – Connect'In™  
**Matthieu Casimiri, Technical Services Group Manager**  
**AXENS**

11:40  Improved Desalting from Online Optimized Refinery Desalters  
**David Cooper, Regional Sales Manager**  
**SCHLUMBERGER**

12:00 Q&A, Discussion

12:20 NETWORKING LUNCH

### 14:00 CHALLENGES IN REFINING & PETROCHEMICALS: INCREASED INTEGRATION, FEEDSTOCK ISSUES

14:00  Refining & Petrochemicals: To Integrate or not to Integrate ?  
**Sachi N. Maiti, Director - Global Technology Taskforce**  
**SNC-LAVALIN**

14:20  FLEXICOKING Solutions for Upgrading Residues in a Refinery or Crude to Chemicals Unit  
**Fengrong Chen, Technical Sales Manager**  
**EXXONMOBIL**

14:20  Alternate Feedstock Options for Petrochemical Import Substitution: Viability Assessment  
**Vineet Bakshi, Senior Process Engineer**  
**ENGINEERS INDIA**

14:40  Hydrogen for the Future: The Novel Wood Technologies  
**Omar Bedani, Business Development Manager**  
**WOOD**


15:00 Q&A, Discussion

15:10 NETWORKING COFFEE BREAK sponsored by **ExxonMobil**

### 15:40 INNOVATIVE SOLUTIONS FOR REFINING & PETROCHEMICAL INDUSTRIES

15:40  How Compabloc Boosts Energy Intensity Index (EII)  
**Jay Jeong, Refinery Market Manager**  
&  
 **Jong-hwa Lee, Manager, Process Technical Service 1 Team**  
**ALFA LAVAL & HYUNDAI OILBANK**

16:00  Filtration & Separations Best Practices for Clean Fuels Revamp, Maximising Performance and Minimising Project Cost  
**Lindsay McRae, Market Manager, Refineries, Asia**  
**PALL CORPORATION**

16:20  Market Trends and Developments in the Downstream Petrochemicals for Fluid Bed Dryers and Recycling/Recovery with Decanter Centrifuges  
**Peter Hofmann, Sales Director**  
**ANDRITZ**

17:00 NETWORKING RECEPTION




## DAY 2, Wednesday, 9 October


8:30 Morning coffee & networking

### 9:00 INNOVATIVE SOLUTIONS FOR REFINING & PETROCHEMICAL INDUSTRIES II

9:00  Technologies in Refining and Petrochemical Integration  
Steven Poon, Asia Pacific Commercial Manager  
**EXXONMOBIL**

9:20  Crystaphase Presents a Case for Active Filtration  
Scott Kendrick, Director  
**CRYSTAPHASE**


9:40  Advanced Ceramic Coated Tubes for Refinery and Petrochemical Applications  
Sanjay Lodha, Global Business Director  
**TUBACEX GROUP**

10:00  Efficient Clean-Out & Decontamination Techniques  
Tom McQueary, President  
**ZYMEFLOW**


10:20 Q&A, Discussion

10:30 NETWORKING COFFEE BREAK sponsored by **ExxonMobil**

### 11:00 OPERATIONAL EXCELLENCE IN REFINING AND PETROCHEMICAL INDUSTRIES

11:00  New Pipeline Batching Philosophy to Optimize Saudi Aramco Jet A-1 Supply Network  
Omar A. AL-Qudaib, Operations Planning Engineer  
**SAUDI ARAMCO**

11:20  Integrating Technical Audit with Culture Belief Model for a More Comprehensive Assurance Approach  
Sufyan Mohd Nor, Head of Process Safety Management  
**PETRONAS**

11:40  Revolutionary Method for Temperature Monitoring in Claus Units  
Bob Poteet, Director of Technology  
**WIKA**

12:00 Q&A, Discussion

12:10 NETWORKING LUNCH


### 13:00 AIR LIQUIDE SEMINAR REGISTRATION

Pre-registration required. Only approved delegates will be admitted.

YOU CAN STILL APPLY AND REGISTER - CONTACT THE REGISTRATION DESK FOR DETAILS.

14:00 AIR LIQUIDE EXCLUSIVE SEMINAR - PLANTS OF THE FUTURE: AIR LIQUIDE INNOVATIONS  
DELIVERING SUSTAINABLE SOLUTIONS OPEN AND FREE FOR ALL REFINING  
& PETROCHEMICAL PRODUCERS

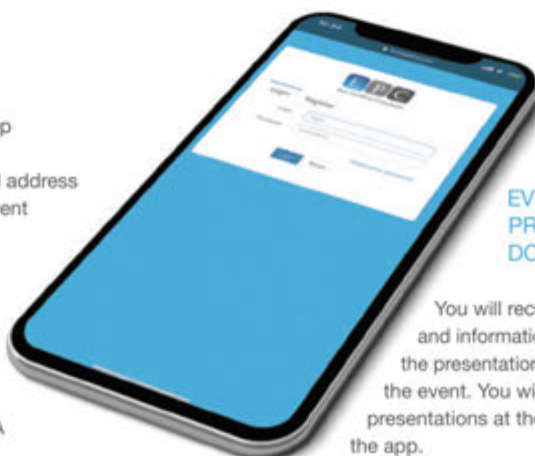
17:30 End of Seminar & Networking

18:00 GALA EVENING in TAMAN BHAGAWAN sponsored by 



#### EPC EVENT APP LOGIN:

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- 2 Register with the same e-mail address you used to register for the event
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View Agenda, Delegate List,  
Sponsor & Exhibitors Profiles,  
Message other delegates,  
Ask Questions during the Q&A



EVENT PRESENTATIONS  
DOWNLOAD:

You will receive a link and information how to download the presentations up to 1 week after the event. You will be able to view all presentations at the event through the app.






9th  
OCTOBER







## DAY 3, Thursday, 10 October

8:30 Morning coffee & networking




### 9:10 PROCESS SOLUTIONS FOR THE REFINING INDUSTRY

- 9:20  Setting New Standards with Isomalk Technology  
Sashikant Madgula, Regional Licensing Manager  
**GTC TECHNOLOGY**
- 9:40  Managing FCC Catalyst Particle Size for Reliability and Unit Optimization  
Stuart Foksett, Vice President Asia Pacific  
**EQUILIBRIUM CATALYSTS**
- 10:00  FCC Catalytic Solutions  
Oleg Kryukov, Director  
**KNT GROUP**
- 10:20  Open Quality Lube Base Oil From Hydrodewaxing  
Yasuo Kato, Senior Business Development Manager  
**EXXONMOBIL**
- 10:40  Ionic Liquids as Novel Multi-Functional Additives for Engine Lubrication  
YongCheun Kuah, Researcher Fluid Solutions Technology  
**PETRONAS RESEARCH**
- 11:00 Q&A, Discussion
- 11:10 **NETWORKING COFFEE BREAK** sponsored by **ExxonMobil**

### 11:40 PETROCHEMICALS FOCUS: TRENDS, PROJECTS & PROCESS SOLUTIONS

- 11:40  Market Outlook and Petrochemical Development in Indonesia  
Eddy Riva'i, Director for Olefin & Polymer Industry  
**INAPLAS**
- 12:00  Technology Update: Chandra Asri Project Expansion  
Helmilus Moesa, Corporate Relations Advisor  
**PT CHANDRA ASRI PETROCHEMICAL**
- 12:20  Borstar PE and PP – Creating Value with Innovative and Sustainable Polyolefin Solutions  
Meinolf Kersting, Director Catalyst Business  
**BOREALIS**
- 12:40  Axens State of the Art Solutions for Base Chemical Purification  
Nicolas Janot, Reforming and Hydrogenation Catalysts Technologist  
**AXENS**
- 13:00 Q&A, Discussion
- 13:10 **NETWORKING LUNCH**

### 14:10 INNOVATIVE SOLUTIONS FOR PETROCHEMICAL INDUSTRIES

- 14:10  Deep Catalytic Cracking Technologies for Producing More Low Carbon Olefins and Light Aromatic  
Zhang Jiushun, Senior Specialist  
**SINOPEC RIPP**
- 14:30  A Solution for Making High Value Petrochemicals Effectively and Efficiently  
Sachin Joshi, Director of Licensing  
**GTC TECHNOLOGY**
- 14:50  Sinopec Catalyst and Technology for Ethylbenzene and Styrene  
Liu Ruidan, Business Supervisor  
**SINOPEC SRIPT**
- 15:10  Advances in Technology to Enable Crude Oil to Chemical Mega-Projects  
Stéphane Wermester, Sales Director Asia Pacific - Process Licensing Business Unit  
**AXENS**
- 15:30 Q&A, Discussion
- 15:40 **CLOSING REMARKS & RAFFLE PRIZE DRAW**

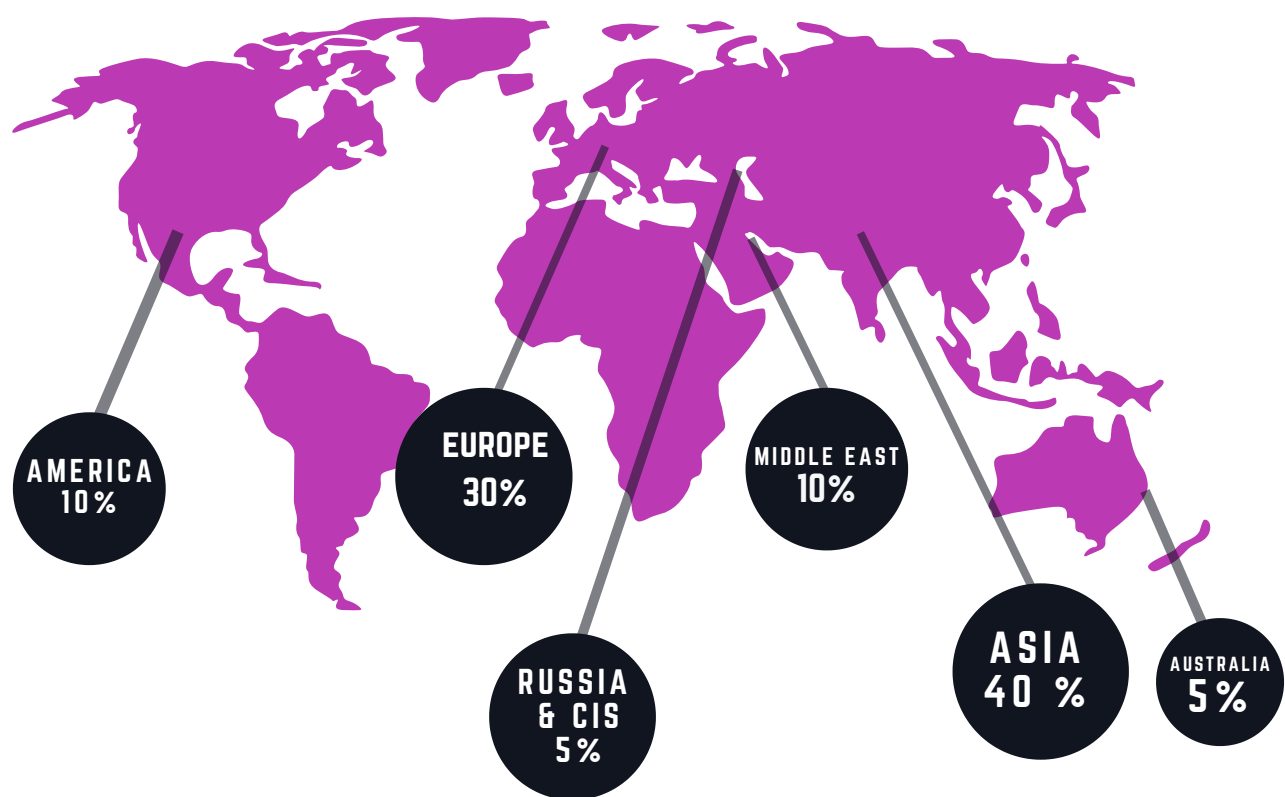
### 16:00 FAREWELL RECEPTION

10th  
OCTOBER

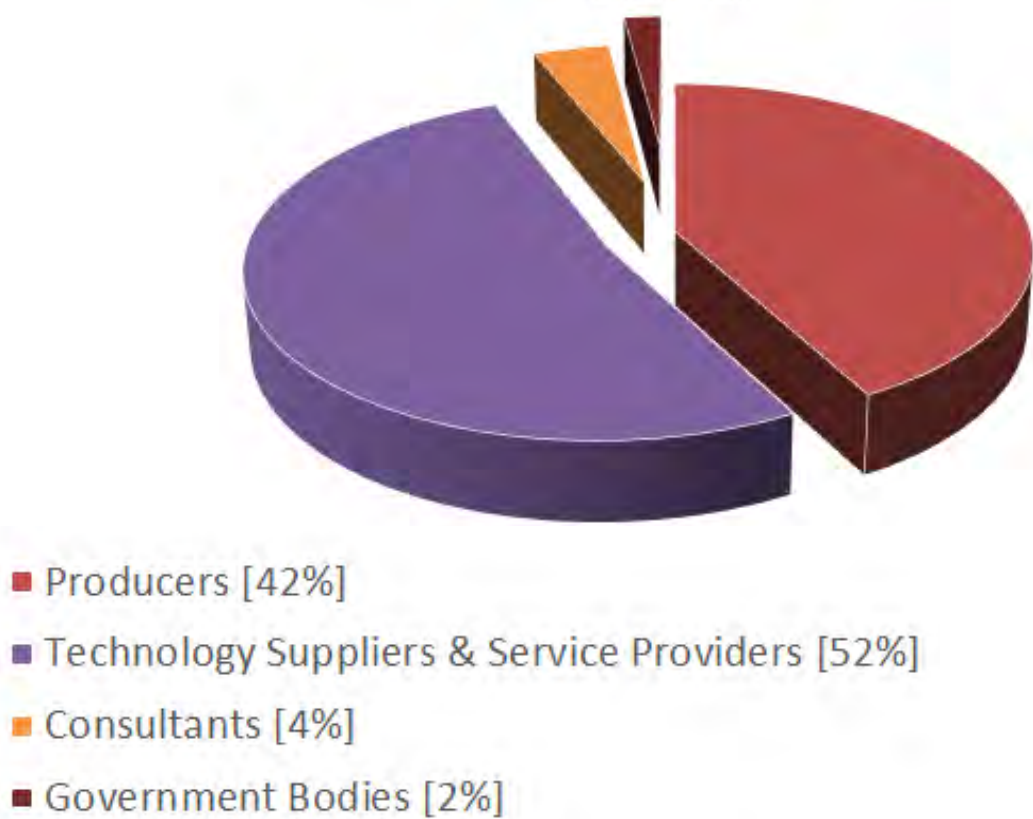
ASIA-TECH 2020 will be held in South Korea.  
We hope to see you there!



ATTENDEES: WORLDWIDE REPRESENTATION FROM 20+ COUNTRIES



PRODUCER RATIO





**PLANTS OF THE FUTURE: AIR LIQUIDE INNOVATIONS**  
**DELIVERING SUSTAINABLE SOLUTIONS**

AIR LIQUIDE held a technology seminar, which was open and free for all refining and petrochemical producers. Speakers included:

MR. TRIHARYO SOESILO



MR. LAWAI JOK



MRS. TINA LOKE



MR. ALEXANDER SCHRIEFL



**Project Director - Energy Sector**

KPPIP (The Committee for Acceleration of Priority Infrastructure Delivery)

**Chief Executive Officer**

PETRONAS Chemicals Methanol Sdn Bhd

**Vice President, Large Industries**

SOUTHEAST ASIA CLUSTER

**International Director Lurgi Technologies**

AIR LIQUIDE  
ENGINEERING & CONSTRUCTION

**Key Topics:**

- Moving forward with technologies for tomorrow's integrated refineries
- Customer experience with Air Liquide Technologies
- A partner for optimized hydrogen supply service
- Digital transformation for operational excellence
- Energy Transition: developing the technologies of the future





## GALA DINNER

Sponsored by  **Air Liquide**  
creative oxygen

Air Liquide Gala Dinner was held at a breathtaking location: Taman Bhaghawan, Nusa Dua, Bali

Hand-carved joglos, intricately-designed buildings, and fountains set among sweeping lush green lawns and tropical gardens adjoining from this picturesque white sandy beach of Nusa Dua enhanced the pleasure of informal networking at this unforgettable event.





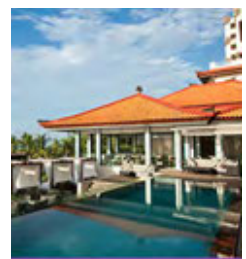
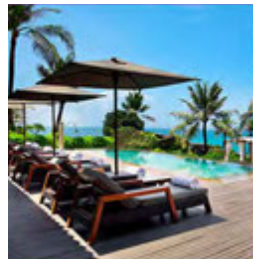
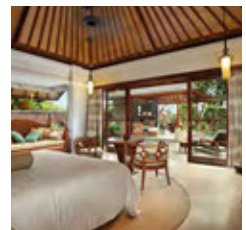
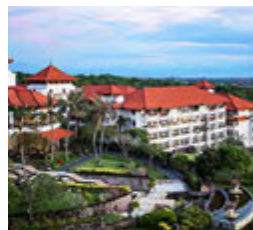
Our delegates enjoyed Balinese traditional food and drinks in this unique venue that captures the best of Indonesian culture combined with contemporary sophistication.



# VENUE

## HILTON BALI RESORT

The venue we have selected provided array of recreational facilities, including 4 interconnected swimming pools, 6 dining options specialising in Japanese, Balinese and international cuisine,





# ASIA-TECH 2020



ASIA-TECH 2020 - Asia Technology Forum for Refining & Petrochemicals. will take place in Seoul, South Korea on 6-8 October 2020. If you would like to contribute to the programme with a timely Informative presentation and share your expertise with our audience, please contact us:

[eva\\_ng@europetro.com](mailto:eva_ng@europetro.com)

[miro\\_cavkov@europetro.com](mailto:miro_cavkov@europetro.com)

We would be delighted to welcome our regular clients returning year on year as well as all those who share our aim to drive together the refining and petrochemicals industries towards growth, efficiency and sustainability.

## ASIA-TECH 2019 - Asia Downstream Technology Forum Final Delegate List

COMPANY	POSITION	COUNTRY
ADNOC REFINING RESEARCH CENTER	Manager, Technical Services, Research Centre Division	United Arab Emirates
AIR LIQUIDE	Vice President, Large Industries Business Development	Singapore
AIR LIQUIDE	Centre of Excellence Director	Singapore
AIR LIQUIDE	Director of Sales & Business Development	Singapore
AIR LIQUIDE	International Director, Lurgi Technologies	Germany
AIR LIQUIDE	Hyco Product Line Director	Germany
AIR LIQUIDE	Large Industries Manager	Indonesia
AIR LIQUIDE	Senior Sales Manager - Licensing & Technology	Germany
AIR LIQUIDE	Sales Manager	Malaysia
ALFA LAVAL	Refinery Market Manager	Sweden
ALFA LAVAL	Sales Director	Malaysia
ALFA LAVAL	Sales Manager, Indonesia	Indonesia
ANDRITZ	Head of Engineering and Sales	Germany
ANDRITZ	Deputy General Manager - Sales	Singapore
ASAHIMAS CHEMICAL	Director	Indonesia
AXENS	Regional Sales Manager	France
AXENS	Reforming and Hydrogenation Catalysts Technologist	France
AXENS	Sales Director Asia Pacific	Indonesia
AXENS	Sales Manager	Malaysia
AXENS	Chief Representative	Indonesia
AXENS	Technical Services Engineer	Malaysia
BOREALIS POLYOLEFINE	Director Catalyst Business	Austria
BP PETROCHEMICALS INDONESIA	President Director	Indonesia
CHANDRA ASRI PETROCHEMICAL	President Director	Indonesia
CHANDRA ASRI PETROCHEMICAL	Corporate Relations Advisor	Indonesia
CHANDRA ASRI PETROCHEMICAL	Vice President Corporate Relations	Indonesia
CRYSTAPHASE	Director	United States



CRYSTAPHASE	Senior Representative	United States
EQUILIBRIUM CATALYSTS	Vice President APAC	Singapore
EURO PETROLEUM CONSULTANTS (EPC)	Vice President	France
EURO PETROLEUM CONSULTANTS (EPC)	Technical Advisor - Oil, Gas & Petrochemicals	Bulgaria
EURO PETROLEUM CONSULTANTS (EPC)	Conference Director	Malaysia
EURO PETROLEUM CONSULTANTS (EPC)	Managing Director - Europe & Asia	Bulgaria
EXXONMOBIL	Asia Pacific Commercial Manager	China
EXXONMOBIL	Senior Business Development Manager	Japan
EXXONMOBIL	Technical Sales Manager	United States
EXXONMOBIL	Senior Representative	United States
EXXONMOBIL	Senior Representative	United States
GTC TECHNOLOGY	Regional Licensing Manager	Singapore
GTC TECHNOLOGY	Director of Licensing	United States
HANWHA-TOTAL PETROCHEMICAL	Manager / Base Chemical Research Team	South Korea
HOOVER FERGUSON	Area Sales Manager	Singapore
HYUNDAI OILBANK	Manager, Safety Production Division, Process Technical Service 1 Team	South Korea
HYUNDAI OILBANK	Process Engineer, Safety Production Division, Process Technical Service Team 2	South Korea
IHS MARKIT	Vice President, Chemical Industry Consulting, Asia	Singapore
INAPLAS	Chairman	Indonesia
INAPLAS	Director for Olefin & Polymer Industry	Indonesia
INAPLAS	Director Business Development	Indonesia
INAPLAS	Director Promotion & Institution Relations	Indonesia
INAPLAS	Staff Manager	Indonesia
INDORAMA	Senior Manager Indorama	Indonesia
INDORAMA	Manager	Indonesia
IPCO	Sales Manager IP	Germany
IPCO	Chief Representative	Indonesia
KALTIM METHANOL INDUSTRI (KMI)	VP Director	Indonesia
KNT GROUP	Director, Moscow Office	Russia
KNT GROUP	Deputy Director	Russia
KPPIP	Project Director Energy Sector	Indonesia
LOTTE CHEMICAL TITAN	Process Engineer	Malaysia
LOTTE CHEMICAL TITAN	Process Engineer	Malaysia
LOTTE CHEMICAL TITAN	Senior Process Engineer	Malaysia
LOTTE CHEMICAL TITAN NUSANTARA	Business Development Director	Indonesia

MALAYSIAN PETROCHEMICALS ASSOCIATION (MPA)	Secretary General	Malaysia
MALAYSIAN PETROCHEMICALS ASSOCIATION (MPA)	Senior Manager	Malaysia
MINISTRY OF INDUSTRY OF REPUBLIC INDONESIA	Director General of Chemical, Pharmaceutical & Textile	Indonesia
MINISTRY OF INDUSTRY OF REPUBLIC INDONESIA	Secretary of the Directorate General	Indonesia
MINISTRY OF INDUSTRY OF REPUBLIC INDONESIA	Senior Representative	Indonesia
MINISTRY OF INDUSTRY OF REPUBLIC INDONESIA	Deputy Director General of Chemical, Pharmaceutical & Textile	Indonesia
NEXANT	VP Energy & Chemicals Advisory	Singapore
PAK-ARAB REFINERY	Lead Process Engineer	Pakistan
PAK-ARAB REFINERY	Chief Engineer Projects Department	Pakistan
PALL CORPORATION	Manager Fluid Technologies	Indonesia
PALL CORPORATION	Market Segment Leader Refineries, Oil and Gas	Australia
PALL CORPORATION	Manager Fluid Technologies	Indonesia
PALL CORPORATION	Sr Manager Marketing - APAC	India
PERTAMINA	Aromatic Olefin Manager	Indonesia
PERTAMINA	Project Engineer	Indonesia
PERTAMINA	VP Process and Technology, Refining Directorate	Indonesia
PERTAMINA	Process Engineer	Indonesia
PERTAMINA	Process Engineer	Indonesia
PERTAMINA	Senior Vice President Project Development	Indonesia
PERTAMINA	SVP Research & Technology Center	Indonesia
PERTAMINA	Senior Analyst Portfolio Strategic Planning	Indonesia
PERTAMINA	Analyst Downstream Strategic Planning	Indonesia
PERTAMINA	Analyst Business Initiatives	Indonesia
PETRONAS	Head, Program Consultant - Group Technical Solutions (GTS) - Project Delivery and Technology (PD&T)	Malaysia
PETRONAS	Head, Process Safety Management, Downstream Business	Malaysia
PETRONAS LABUAN METHANOL	CEO	Malaysia
PETRONAS LABUAN METHANOL	Process manager	Malaysia
POLYTAMA PROPINDO	GM Sales & Commercial	Indonesia
POLYTAMA PROPINDO	Technical Manager	Indonesia
PT PUPUK INDONESIA	VP Petrochemical Projects	Indonesia
PT PUPUK INDONESIA	AVP Petrochemical Projects	Indonesia
PT PUPUK INDONESIA	SVP	Indonesia
PT PUPUK INDONESIA	Department Manager	Indonesia
PT REKAYASA INDUSTRI	Senior VP - Marketing Petrochemical & Overseas	Indonesia
PT REKAYASA INDUSTRI	VP Product Owner	Indonesia



PT REKAYASA INDUSTRI	Branch Manager	Indonesia
PTTGC	Senior Upstream Business Analyst - GPC Strategy & Business Development	Thailand
SABIC	Sr. Manager	Saudi Arabia
SAMSUNG ENGINEERING	General Manager - Business Development	South Korea
SAMSUNG ENGINEERING	VP Business Development	South Korea
SANTI	CEO	Indonesia
SANTI	Director	Indonesia
SAUDI ARAMCO	Operation Planning Engineer	Saudi Arabia
SCHLUMBERGER	Sales Manager	Australia
SINOPEC RIPP	Deputy Chieg Engineer	China
SINOPEC SRIPT	Business Supervisor	China
SINOPEC SRIPT	Project Leader	China
SNC-LAVALIN	Manager of Downstream Technology Taskforce	Canada
S-OIL CORPORATION	Process Engineer	South Korea
S-OIL CORPORATION	General Manager of #1 Aromatics Complex	South Korea
S-OIL CORPORATION	General Manager, Cracking Department 1	South Korea
THAIOIL	Process Engineer	Thailand
TRANS PACIFIC PETROCHEMICAL INDOTAMA	President Director	Indonesia
TUBACEX GROUP	Global Business Director, TUBACOAT	Spain
TUBAN PETROCHEMICAL INDUSTRIES	President Director	Indonesia
TUBAN PETROCHEMICAL INDUSTRIES	Analyst Business Structuring	Indonesia
WIKA	Director of Technology	United States
WIKA	Senior Representative	United States
WOOD	Business Development Manager	United Arab Emirates
WOOD	Senior Representative	United States
ZYMEFLOW	President	United States
ZYMEFLOW	Director of Business Development	Singapore