



MI Board of Directors Meeting Agenda

Ben Iosefa, Chairman

**Methanol Institute Board of Directors
14 June 2018 – Como, Italy**

MI Board of Directors Agenda

- I. Call to Order/Announcements/Antitrust Guidelines***
- II. Approval Minutes – 23 March 2018 BOD Meeting***
- III. MI Vision and Mission***
- IV. Committee Reports***
- V. Treasurer's Report***
- VI. Membership Report***
- VII. Current Business***
 - Revenue Task Force***
 - MI China Entity & China NGO Law Update***
 - Very Connect Member Platform***
- VIII. New Business***
 - November Board Meeting***

Antitrust Guidelines

1. Do not engage in discussions or activities which may tend to:
 - A. Fix or otherwise restrict the prices charged by members;
 - B. Allocate markets, sales territories or customers between members;
 - C. Initiate or encourage boycotts of specific products or services, or refusals to deal with designated customers or suppliers;
 - D. Limit production levels of members and otherwise restrict the availability of products or services;
 - E. Purposely hinder or disparage the competitive efforts of non-members;
 - F. Coerce or encourage members to refrain from competing;
 - G. Limit impede or exclude anyone in the manufacture, production or sale of goods or services;
 - H. Promulgate or encourage unfair or misleading practices involving advertising, merchandising of products or services; or
 - I. Condition or tie the purpose of one product or service to the purchase of another product or service.
2. Do not discriminate against competitors when (a) developing standards or specifications for products or services; (b) setting ethical standards; or (c) dealing with customer credit information.
3. Do not exchange data concerning prices, production levels and costs, or customer credit; however, the exchange of past data (as distinguished from future data) does not in itself constitute a violation of antitrust laws if the past data reflects composite or average figures without identifying a company or if the past data is from public sources.
4. Do not participate in the dissemination of suggested price lists of members.
5. Do not participate in informal “rump sessions” outside of the formal sessions which disregard these guidelines. Otherwise, the precautions developed in connections with meetings would prove to be of no consequence.

The foregoing guidelines are not intended and should not be understood as a comprehensive summary of all antitrust problem areas. The complexity of the antitrust laws preclude easy abridgement. These guidelines are intended to familiarize members with the broad contours of antitrust prohibitions so that the antitrust compliance policies are achieved. If there is any question concerning the application of antitrust laws, an opinion should be obtained from legal counsel.

23 March 2018 MI BOD Minutes

- Click [here](#) to navigate to the Minutes of the 23 March 2018 MI Board of Directors Meeting held in Houston at the offices of Mitsui

Action: Review and Approve

2018 Vision and Mission

Our Vision: *Protect – Expand – Communicate*

Our Mission: As the global trade association for the methanol industry representing the world's leading methanol producers, distributors and technology companies, the mission of the Methanol Institute is to serve and provide cost-effective value to its membership by:

- **Protecting existing markets is a core function**
 - Meeting regulatory challenges and driving policy opportunities
 - Leading product stewardship excellence
 - Promoting best practices across the global distribution chain
- **Promoting the growth of emerging energy markets**
 - Marine fuels
 - Diesel substitute for road transport
 - Cook stoves and industrial boilers
 - Low carbon and renewable methanol
 - Methanol-to-Power
- **Serving as the voice of the global methanol industry**
 - Amplify member messaging
 - Global stakeholder networks
 - Web sites, social media, media relations, newsletters, conferences/webinars



Global Fuel Blending Committee Chairman's Report

Jason Chesko, Chairman
Peter Duxson, Vice Chairman

MI Board of Directors Meeting
14 June 2018 – Como, Italy

23 May 2018 Minutes

- Click [here](#) to navigate to the 23 May 2018 Global Fuel Blending Committee conference call minutes



M15 Sample Safety Data Sheet

- M15 Gasoline Methanol Blends are in commercial use or being considered in a number of markets (China, Egypt, Italy, India, etc.)
- Methanex led development of a draft Sample Safety Data Sheet that could be shared by the Methanol Institute to promote best practices
- Comments from SABIC and Ecofuel to be incorporated into revised draft
- **Actions: Staff making revisions; Sample M85 SDS in development**



Sample Safety Data Sheet

Material Name: M15: Gasoline Methanol Blend

SDS ID: M15

Introduction

This "Sample Safety Data Sheet" (SDS) provides information for M15: Gasoline Methanol Blend - the blending of gasoline (petrol) with approximately 15 volume percent methanol (M15) along with co-solvents and corrosion inhibitors. The Methanol Institute is not a supplier of M15 and has prepared this sample document to provide information to suppliers commercializing M15 to support safe and environmentally sound practices for the handling of M15 and methanol throughout the global distribution chain. Since the majority of the M15 blended product is gasoline, all the hazards associated with gasoline are also attributed to the M15 blended product. It is possible that over time a mixture may be created that deviates from the composition and ratio as listed herein on the SDS. In such case, the information presented is no longer valid and expert analysis should once again be performed to ascertain applicable hazards.

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

M15: Gasoline Methanol Blend

Synonyms:

Gasoline, Unleaded Gasoline, Petrol, Oxygenated Gasoline, Gasohol

Chemical Family

Gasoline

Product Use

Automotive fuel; motor vehicles

Restrictions on Use

This product must not be used in applications other than those recommended under Product Use without first seeking the advice of the supplier. In general, this product should not be used as motor fuel for off-road engines, aviation engines, marine engines or 2-cycle engines. This product is not to be used as a solvent or cleaning agent, for lighting or brightening fires, as a skin cleanser, or as fuel for space (or area) heaters. This product is designed only to suit automotive applications as unleaded motor fuel.

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with OECD Task Force on Harmonization of Classification and Labelling (Task Force on HCL) for health and environmental hazards, and by UNCED/GLO Working Group for Physical Hazards

Flammable Liquids - Category 2

Aspiration Hazard - Category 1

Acute Toxicity - Oral - Category 5

Acute Toxicity - Inhalation - Vapor - Category 3

Skin Corrosion/Irritation - Category 2

Serious Eye Damage/Eye Irritation - Category 2A

Gen. Cell Mutagenicity - Category 1A

Carcinogenicity - Category 1A

Reproductive Toxicity - Category 1A

Specific Target Organ Toxicity - Single Exposure - Category 1 (body, Central Nervous System, optic nerve,

retina, eyes, Nervous System, respiratory system, kidneys, liver)

Specific Target Organ Toxicity - Single Exposure - Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 1 (eyes, Central Nervous System, retina, kidneys,

respiratory system, liver, Hematopoietic System, Peripheral Nervous System)

Specific Target Organ Toxicity - Repeated Exposure - Category 2 (lungs, ears, blood)

Project Co-Optima

- MI participating in Co-Optima stakeholder group
- Concern program could be cut from DOE budget
- June 2017: DOE announced methanol did not “make the cut” from Tier 2 to Tier 3 evaluation
- August 2017: MI sent letter to DOE in challenging decision
- November 2017: MI held conference call with Co-Optima leadership in to express concerns
- April 11: MI submits Freedom of Information Act request seeking access to Co-Optima data on methanol assessment.



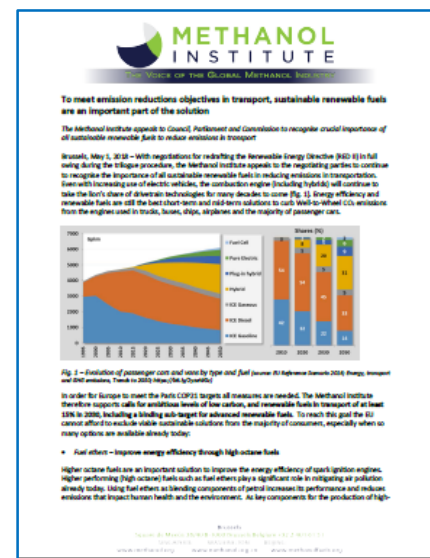
Co-Optimization of
Fuels & Engines

Project Co-Optima - 2

- Related actions:
 - April 18: MI submits comments to House Energy and Commerce Subcommittee on the Environment following hearings on High Octane Fuels and High Efficiency Vehicles (April 13) and Future of Transportation Fuels and Vehicles (March 7) urging consideration of methanol as high octane fuel component and sharing FOIA request
 - April 24: MI submits comments to US EPA on petition by Butamax to register use of up to 16% isobutanol as gasoline blendstock under “Octamix” waiver with MI pointing to benefits of methanol as gasoline component

EU RED II

- May 2: MI issues position paper on EU's Renewable Energy Directive II now in trilogue procedure calling for:
 - Fuel ethers - **Improve energy efficiency through high octane fuels**
 - Biodiesel - **Retain the 7% cap for sustainable 1st gen biofuels**
 - Annex IX - part A - **Adopt a clear definition of advanced biofuels supported by a list of approved sustainable feedstocks**
 - Renewable Fuels of Non-Biological Origin - **Allow the use of PPA's for the production of e-fuels and focus on point sources of CO2 first**
 - Multipliers - **Cancel any form of multipliers for renewable energy**



Methanol Fuel Blending Primer

- GFBC has noted that concerns expressed regarding methanol fuel blending in gasoline (ie. toxicity, corrosivity, fire safety, etc.) are often misleading and inaccurate
- October 2015 ACEA white paper on methanol was one of the more egregious examples
- There is a need for a simple white paper/primer that addresses these concerns
- Staff in discussions with Jamie Turner-Bath University and Sebastian Verhelst-Lund University and Mark Graves (tech comm expert) about preparing primer report, along with PPT and infographic
- **Action: Prepare proposal/budget for primer and related tools, targeting September release**

ASTM - D8076

- ASTM has adopted a new specification for High Octane Number Test Fuel that specifically prohibits any fuels containing methanol
- May 2017: MI participated in ASTM Task Force Conference call with agreement for new ballot removing methanol prohibition
- Dec 2017: First ballot approved by ASTM D02 committee
- March 2018: Second ballot approved, awaiting final publication



ASTM – D5983

- MI staff determines that the standard for MTBE is currently in revision
- Dec 2017: Second ballot had negatives needing to be address, including requirements for color and washed gum content
- March 2018: MI contacts ASTM and is added to Task Force, and alerts MI GFBC/Leg-Reg
- May 17: MI's Greg Dolan and SABIC's Mohammed Ansari participate in Task Force conf call
- ***Action: Second conf call being scheduled, ASTM meeting June 24 in Phoenix needs industry reps***



ENI/FCA M15 for Italy

- 21 November 2017: Eni and Fiat Chrysler Automobile announce development of 15% methanol and 5% bioethanol “A20” fuel blend
- New blend demonstrated in 5 FCA Fiat 500 vehicles in Eni’s Enjoy car-sharing fleet
- March 1-2: At Ecofuel’s invitation Greg Dolan visits Eni/FCA and MI asked to assist “common vision”
- Eni/FCA conducting “road show” seeking support, push for Italian standard then CEN standard
- **Action: MI working with ENI/FCA**



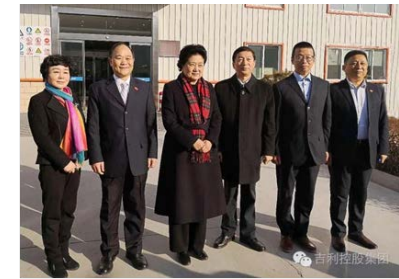
India Update

- Sept 2015: NITI Aayog formed Methanol Economy Expert Group
- Sept 2016: MI/NITI Aayog joint Methanol Economy International Seminar held in Delhi
- Dec 2017: Gazette notice of draft vehicle standards for M15, M100 and MD95
- April 2018: Draft M15 fuel specification proposed, MI comments from Bill Piel and Eni submitted in May
- May 2018: Final Gazette notice of vehicle standards for M15, M100 and MD95
- **Action: Continue to engage with NITI Aayog/ARIA**



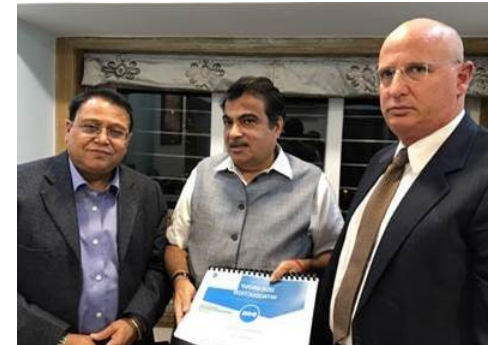
China Update

- Sept 2017: China state media announced plans to require the use of E10 gasoline blends
- ACFA engaging, MI could promote GEM blends
- CICEIA would like to establish “Methanol Alliance” with global entities, and MI as General Secretary
- Consider China Methanol Policy Forum for Beijing in 2019
- MIIT/NDRC/MOST reported to State Council consideration of methanol policy formation



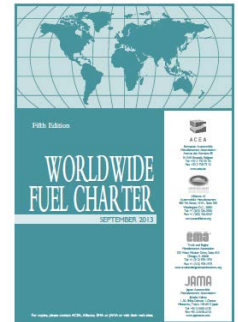
Israel Update

- M15 “operational” with Dor Chemicals reporting consumption of 1,000 metric tons/month
- Israel government not providing tax benefits needed, Dor pushing for same treatment as recent relaxation of taxes for CNG
- FCA pushing government to recognize CO2 benefits of methanol Fiat 500
- Dor looking at M100 light-duty truck conversion based on spark-ignition natural gas engine
- Dor supporting India M15 push



Worldwide Fuel Charter

- Sept 2013: Worldwide Fuel Charter 5th edition issued again noting: ***“Methanol is not permitted. Methanol is an aggressive material that can cause corrosion of metallic components of fuel systems and the degradation of plastics and elastomers.”***
- MI provided comments challenging WWFC prohibition on methanol that went unaddressed
- MI’s Eelco Dekker reports that WWFC is now working on draft 6th edition
- MI has alerted FCA
- ***Action: Need to find “champions” in automotive industry to challenge methanol prohibition from inside***





Legislative/Regulatory Affairs Committee Chairman's Report

Steffen Erler, Chairman
Mari Veldekens, Vice Chair

MI Board of Directors Meeting
June 14, 2018 – Como, Italy

Leg/Reg Chairman's Report

Click [HERE](#) to navigate to the May 29th Legislative and Regulatory Committee Call minutes.

Leg/Reg Chairman's Report

1. Canada Activities

- Health Canada and Environment Canada are conducting risk assessments of methanol.
- MI has helped Health Canada to access EU REACH registrations and stands ready to help with any questions they might have.
- After contacting two outside consultants to propose additional toxicology studies MI has selected Netherlands-based Santoxar to conduct the PBPK modelling work.



Health
Canada

Leg/Reg Chairman's Report

2. EU Methanol Consumer Product Restriction

- EU proposed limiting amount of methanol in windshield wash fluid and denatured alcohol to 0.6% by volume.
- MI submitted official comments to the European Chemicals Agency (ECHA), the EU Commissioner for Better Regulation, and contacted EU REACH representatives at the member state level.
- The restriction has been published in the EU Register, and will take effect on May 9, 2019.
- MI considering petitioning the EU Ombudsman with concerns about the process used to enact the restriction.

Leg/Reg Chairman's Report

3. AP/ME Activities

- Government & Regulatory Affairs matrix under development.
- Expected completion by June 25th

Leg/Reg Chairman's Report

4. US EPA IRIS Methanol & Formaldehyde

- IRIS Methanol Assessment is not listed on EPA's current work plan.
- Formaldehyde Assessment being 'slow-walked' by EPA's political appointees, not expected to be released in near future.
- There is a robust debate surrounding EPA's proposed 'Secret Science' rule.



Leg/Reg Chairman's Report

5. ASTM STANDARDS

- ASTM working to revise MTBE standard, D5983.
- Negatives need to be addressed.
- Both MI's Greg Dolan and Mohammed Ansari of SABIC have joined the Task Force.



Leg/Reg Chairman's Report

6. India Engagement

- Dom spoke at ISFL Conference on April 15.
- Dom met with IOC, ARAI, and govt. stakeholders in India in April.
- Indian Chemical Council (ICC) and MI exploring and development of a methanol safety workshop.
- Trip report is available on MI's VeryConnect Platform.

Leg/Reg Chairman's Report

7. Japan

- METI & MLIT focus on energy and environmental security.
- Hydrogen energy focus, including fuel cell vehicles and CO2-free hydrogen supply.
- April: Dom met with NEDO; Japan fuel cell industry cannot produce stacks; huge opportunities for foreign stack producers and M2H2 developments.
- Trip report is available on VeryConnect.

Leg/Reg Chairman's Report

8. Philippines

- Reports circulated that the Philippines had shortlisted methanol on its Priority Chemical List (PCL).
- Such a designation could negatively impact methanol import and trade in the Philippines.
- MI staff contacted the relevant Philippine authorities who made clear that they have no intention to add methanol to their PCL.



Market Development Committee Chairman's Report

M. Zameer Zahur Hussain, Chairman
Deepak Devendrappa, Vice Chairman

MI Board of Directors Meeting
June 14, 2018 – Como, Italy

MDC Chairman's Report

- [Click here](#) to navigate to the May 22 Market Development Committee Call minutes

Strategic Planning

- The Committee reviewed the MDC strategic plan which was incorporated into the agenda for the May 22 call.

MDC Chairman's Report

MDC Focus Areas

Top Priority Engagement

- Renewable Methanol

High Priority Engagement

- Industrial Boilers
- Small-scale Methanol Technology (SSMT)
- Methanol-to-Power

Lower Priority Engagement

- Cooking Applications
- Methanol Fuel Cells
- Wastewater Treatment (WWT)
- Methanol-to-Hydrogen

MDC Chairman's Report

Renewable Methanol (RM)

- Demonstrating that there are viable pathways to renewable methanol as a low/no-carbon fuel is critical for expanding methanol into road, non-road and marine transport markets.
- MI white paper on REDII shared with EU Parliament, Commission, and Council.
- MDC approved MI working with ATA Insights on renewable methanol primer (US\$18,430) and webinar (US\$7,000).

MDC Chairman's Report

Industrial Boilers & Cookstoves (IB/CS)

- MI-Peking University IB/CS Report
 - Report distributed to global media contacts on April 2; available for download [from MI's web site](#).
- Industrial Boiler Standards
 - English translations of draft boiler standards on fuel and fuel storage completed; standards shared with MDC for review.
 - CAAEFA will share final drafts with CPCIF; final review to take place in June/July.
 - Standards should be available in 2018; interest in using these as broader guide for global/ISO/ASME standards.
 - India interest in methanol cookstoves; MI staff connected NITI Aayog with Chinese cookstove companies.

MDC Chairman's Report

Small-scale Methanol Technology (SSMT)

- Johnson Matthey recently shared information on its [Compact Reforming Technology](#).
- Greater public and regulatory awareness needed about SSMT.
- MI staff recently setup SSMT area on [MI's web site](#).
- Further promotion to include sharing about SSMT during industry presentations, identifying new opportunities, and encouraging SSMT companies to join MI.
- MI's Greg Dolan to again moderate a special session with bse Engineering on SSMT at the World Methanol Conference in Vienna in October.

MDC Chairman's Report

Methanol Fuel Cells

- US DOE recently issued US\$39 million RFP for fuel cell and hydrogen technologies.
- MI, Solar Fuels Institute and Catalytic Innovations working on potential project proposal for the RFP.
- Palcan launched first mini-fuel cell truck in Shanghai in April. They are looking to develop truck fleet of 50 vehicles in future.
- HYDROGEN is largest Chinese producer of fuel cells for telecom towers. 50 projects currently, and 1,000+ projects in pipeline.
- Opportunities for increased methanol fuel cell use in Hong Kong, Japan, and Korea.

MDC Chairman's Report

Methanol-to-Power (MTP)

- In Caribbean, regulations seeking to phase-out use of heavy oil for electric power generation. Some possible opportunities for MTP.
- MI Washington office had contacted Puerto Rican authorities to assess MTP opportunities there.
- MI will discuss with OEMs on whether there are more opportunities for MTP.
- In Europe, good opportunities for MTP in smaller genset units.
- Indian manufacturer introduced methanol fuelled 5.6 kW genset and has 2,000 orders to power telecom towers.
- MI member Billion Miles introduced methanol fuelled genset series.

MDC Chairman's Report

Wastewater Treatment (WWT)

- MI members increasingly utilizing WWT within their production facilities. This could be good area for potential growth.
- Limited interest in AP/ME due to lack of denitrification focus among most regulators. MI staff will continue to monitor on possible opportunities.

Methanol-to-Hydrogen (M2H2)

- M2H2 important feedstock in markets like Japan and Korea which are aggressively developing methanol economies.
- MI staff to develop short fact sheet (**by July 1**) on M2H2 in China and other markets, including checking with MGC on their technology.

MDC Chairman's Report

Committee Participation

- Interest in **quarterly presentations** by external speakers
 - June 26: Methanol fuel cells (Palcan) (TBC)
 - Aug 28: Methanol-to-hydrogen (SPG Corp) (TBC)
 - Oct 30: Industrial Boilers/Cookstoves (Confirmed)
- Possible in-person MDC strategic meeting:
 - Aug 22 in Kuala Lumpur (alongside APIC)
 - Nov 9 in Singapore (alongside IMPCA & MI's Board mtg)

MDC 2018 Budget

- MI-DICP MTO study (not doing) US\$3,000
- IB/CS Report: Translation & PR \$3,000
- IB Boiler Standard: Translation & PR \$5,000
- *ATA Insights: Renewable Methanol Report* \$18,430
- *ATA Insights: Renewable webinar series* \$7,000

Total: US\$36,430



MARINE FUELS COMMITTEE CHAIRMAN'S REPORT

John Livorness, Chairman

Fabian Tai, Vice Chairman

MI Board of Directors Meeting

June 14, 2018 – Como, Italy

16 May 2018 Minutes

- Click [here](#) to navigate to the 16 May 2018 Marine Fuel Committee conference call minutes



UPDATES ON IGF CODE

- **IGF Codes**

- Engagement is through IBIA with IMO Correspondence Group for low-flash point fuels
- MI IGF Code task force was created to allow for more direct participation in this initiative
- Currently all stakeholders largely aligned and in agreement on necessary amendments. Remaining items for discussion at CCC5 include:
 - ✓ ESD in engine room (necessary or not)
 - ✓ Fuel standard (IMPCA or other)
- There is still a risk of Germany pushing for fuel cells as a priority at CCC5, which could, as in CCC4, lead to lost time in discussing ethyl/methyl alcohols as a priority, with 8 vessels trading internationally and 4 more DF vessels on order for 2019 delivery
- Round 4 of 6 was recently completed and included all chapters:

Originally proposed time schedule:

Round 1:	23.10.2017 – 17.11.2017	TOR 1 and 2
Round 2:	01.12.2017 – 08.01.2018	TOR 1 and 2
Round 3:	22.01.2018 – 21.02.2018	TOR 1 and 2
Round 4:	05.03.2018 – 02.04.2018	TOR 1 and 2 Submitting June 4 th
Round 5 (report):	30.04.2018 – 21.05.2018	TOR 3 – 5

UPDATE ON GUIDELINES & FUEL EVALUATOR

• Guidelines

- Cooperating on creating Guidelines for Safe Bunkering & Handling of Methanol as a Marine Fuel was agreed with LR to be completed by year end, 2017
 - ✓ Delayed until after the Fuel Comparison Model is completed and launched
 - ✓ Perhaps it will actually be completed by CCS instead with LR contributing
 - ✓ We may need to allocate resources for the Guidelines, to get it moving:
 - Form a Working Group of 3-4 people with a Project Manager
 - Kick off to define goal, scope, timetable and division of work
 - Draft by the team
 - Seek comments from public
 - Final review and completion
 - Release with submission to IMO & Publish

• Fuel Evaluator

- Fuel Comparison Model released in mid-May with very positive feedback
- Currently looking to set up webinars: closed MI and public
- \$25k in MI funding

• Availability Portal

- Discussing with DNV GL to cooperate on creating a fuel availability portal on the existing LNGi platform, to include methanol, LPG and later other fuels

COMMUNICATION INITIATIVES 1 of 2

Methanol Institute Events 2018

Event/Conference/Meeting	Location	Date	January	February	March	April	May	June	July	August	September	October	November	December
IMO Working Group: Reduction of GHG Emissions	London	05-Feb	09-Feb											
CLIA Connect Reception	Lauderdale, Florida	TBC												
Green4Sea Conference & Awards	Athens, Greece	07-Mar												
CMA Shipping, 33rd	Stamford, Connecticut	12-Mar	14-Mar											
Seatrade Cruise Global	Fort Lauderdale	13-Mar	16-Mar											
APM Asia Pacific Maritime	Marina Bay Sands, Singapore	14-Mar	16-Mar											
GST & Shipping 2030 Europe	Tivoli Congress Centre, Copenhagen	20-Mar	23-Mar											
Ferry Safety & Technology Conference	Manhattan, New York	21-Mar	23-Mar											
Ferry Shipping Summit	Amsterdam	21-Mar	22-Mar											
IMO - Marine Environment Protection Ctte	London	09-Apr	13-Apr											
Passenger Ship Safety Conference	Southampton	10-Apr	12-Apr											
Sea Japan	Tokyo	11-Apr	13-Apr											
TRA (Transport Research Arena)	Vienna	16-Apr	19-Apr											
Cruise Europe Conference	St Petersburg	24-Apr	26-Apr											
SMT C (Singapore Maritime Technology)	Marina Bay Sands, Singapore	24-Apr	26-Apr											
Danish Maritime Days	Copenhagen	02-May	04-May											
Danish Maritime Technology	Copenhagen	02-May	04-May											
Europort, Romania 12th edition	Constanta, Romania	15-May	17-May											
Green Port Cruise Conference	Port of Baltimore, Maryland	16-May	18-May											
MedCruise General Assembly, 52nd	Valletta, Malta	23-May	26-May											
Posidonia	Metropolitan Expo, Athens	04-Jun	08-Jun											
Marine Money Week	The Pierre Hotel, New York City	18-Jun	20-Jun											
Review Maritime Future Summit	Hamburg, Germany	04-Sep	07-Sep											
SMM & Maritime Summit	Hamburg, Germany	04-Sep	07-Sep											
Seatrade Cruise Med	Lisbon	Autumn												
Gastech Conference & Exhibition	Barcelona	17-Sep	20-Sep											
SIBCON	Resorts World Sentosa, Singapore	02-Oct	05-Oct											
Interferry AGM	Cancun, Mexico	06-Oct	10-Oct											
APM-Asia Pacific Maritime 2018, 15th	Marina Bay Sands, Singapore	14-Oct	16-Oct											
Shippax Ferry Conference	Oslo, Norway	18-Oct	20-Oct											
IMO - Marine Environment Protection Ctte	London	22-Oct	26-Oct											
Seatrade Middle East Maritime	Dubai, UAE	29-Oct	31-Oct											
CLIA Executive Partner Summit	Miami, Florida	tbc												
Green Ship Technology Conference	Manhattan, New York	14-Nov	15-Nov											
Motorship Propulsion & Future Fuels	Empire Riverside Hotel, Hamburg	14-Nov	16-Nov											
Europort (Biennial) 2019	Rotterdam, Netherlands	05-Nov	08-Nov											
Marintec China 2019	International Expo Centre, Shanghai	03-Dec	09-Dec											
Intertanko AGM & Event	Hotel Parco dei Principi, Rome	20-Jun	26-Jun											

COMMUNICATION INITIATIVES 2 of 2

❖ Recent coverage includes:

- Tradewinds 19 April - <http://www.tradewindsnews.com/tankers/1473715/methanol-offers-shipping-a-clean-quick-pathway-to-carbon-cuts>
- Lloyd's List 6 April - <https://lloydslist.maritimeintelligence.informa.com/LL1122108/Methanols-role-in-the-future-marine-fuels-mix>
- Splash 3 April - <http://splash247.com/methanol-will-take-place-marine-fuels-mix/>
- World Maritime News - <https://worldmaritimeneews.com/archives/249601/interview-methanol-is-ready-for-use-as-marine-fuel/?uid=56287>
- Manifold Times - <https://www.manifoldtimes.com/news/d/methanol-offers-shipping-pathway-to-a-low-carbon-future>
<https://www.manifoldtimes.com/news/d/beyond-2020-why-methanol-will-take-its-place-in-the-marine-fuels-mix>

❖ Awaiting publication:

- Safety at Sea Q&A - TBA

SUMMETH

- **SUMMETH (Sweden)**

- 2015 support of USD\$68,000
- The research concluded that there are no obstacles to the efficient use of Methanol in a converted diesel engine and that smaller vessel conversion projects are feasible and cost-effective, with levels of safety that easily meet existing requirements
- Road ferry with an engine capacity of about 350 kW
- Potential for Biomethanol to be progressively blended into the mix as more becomes available

- <http://summeth.marinemethanol.com/?page=reports>



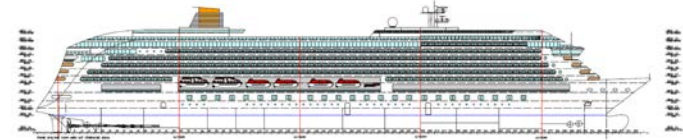
M/S Jupiter Vessel Particulars	
Main Dimensions	
Length Overall (LOA)	86 m
Breadth	14 m
Depth	3.45 m
Ramp Length	11 m
GT	737 tonnes
Design speed	11.6 knots
Cargo	
Passengers	397
Passenger cars	60
Loading capacity	340 tonnes
Main Engine	
	4 x Volvo Penta D12D-C, 331 kW, total installed power is 1324 kW
Fuel Tank	2 x 28 m ³ (diesel) (total capacity 56 m ³)

METHASHIP: CRUISE & ROPAX

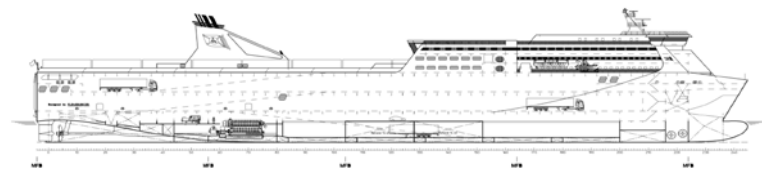
- **MethaShip (Germany)**

- 2 designs – cruise and ropax, with Lloyds, Meyer Werft, HELM, Flensburger Schiffbau-Gesellschaft
- MethaShip is a national research project funded by the BMWi (Federal Ministry for Economic Affairs and Energy)
- 45-month project, closed on May 28, 2018
- Recently completed successful truck-to-ship bunkering
- Presented at IMO's most recent CCC4
- <https://www.vsm.de/de/presseinformation/7818>

Main data	
Length	238.0 m
Width	32.2 m
Tonnage	62 800 GT
Passengers	2050 + 570 Crew
Engines	4 x 9 MW medium speed engines
Main fuel	Methanol



Main data	
Length	199.8 m
Width	28.6 m
Draught	6,5 m
Passengers	600 + 50 Crew
Engines	Dual Fuel 2 x 9 MW medium speed
Main fuel	Methanol



GREENPILOT

- **GreenPilot (Sweden)**

- Funding from Methanol Institute and Swedish Maritime Administration
- WeChai 6-cyl, 365kW, M100 converted NG engine provided by FIT, in high-speed, rescue/pilot vessel
- Sea trials started on WeChai engine in March, which concluded year end, 2017
- WeChai-powered vessel and converted Scania engine on stand, both exhibited at Nor-shipping on May 30th, 2017
- 2015 support of USD\$112,000
- Closing workshop was May 3rd, 2018 Gothenburg



Converted WeChai engine is planned to be used in a Singapore pilot project together with Nanyang Technological University, 4th quarter, 2018

PILOT PROJECTS UPDATE 1 of 2

❖ Eight methanol-fueled vessels in service:

- 7 dual-fuel product carriers (Waterfront)
+ 4 more on order for 2019 delivery
- 1 ropax ferry (Stena Germanica)

❖ Two methanol pilot projects:

- **Summeth Martec II (Finland/Sweden)**
 - 1-cyl conversion from ethanol to methanol (VTT University)
 - 1-cyl covering a range of optimization tests (Lund University)
 - Final reports pending
- **Billion Miles (Singapore)**
 - 4-cyl M100 prototype, skid-mounted, auxiliary power formally launched in 2018
 - Main propulsion unit coming later in 2018



PILOT PROJECT ENGAGEMENT 2 of 2

❖ Other ongoing and potential methanol pilot projects:

- **Methanex**
 - Tianjin University and ZiChai (engine OEM) as partners
 - Converted 1,100kW marine engine with DMCC technology for commercial fishing vessel applications (Tianjin University)
- **FiT**
 - Mainland China
 - ✓ Fujian (140kW), fishing vessel (**still discussing**)
 - ✓ MoA multi-vessel, LNG to methanol conversion (**still discussing**)
- **PCG Product Supply Vessel Interest** (**still discussing**)
 - Dual-fuel
 - Small product carrier (5,000 mt)
- **NTU's test bed facility** (**about to launch**)
 - 1st Phase
 - ✓ Test bed emissions and fuel consumption analysis
 - ✓ Converted WeChai engine with FiT, ScandiNAOS, LR, IBIA, CCS, Keppel
 - ✓ No vessel yet, but targeting single-engine, shore-to-ship crew transport vessel
 - ✓ Engine from GreenPilot will be demob'd from Sweden to Singapore

OTHER PILOT INITIATIVES

- **Port of Rotterdam – Inland Waterway Barge**
 - Initial workshop discussion hosted by Port on April 24th, 2017
 - Interreg application submitted
- **Celeste (Sweden)**
 - RISE to take over GreenPilot project as a pre-study platform from SMA
 - Plan is to build a new vessel after the pre-study, with a test bed installation carried out on GreenPilot before the new-build
 - Risk analysis will take into consideration batteries, methanol and hydrogen
 - Low-temperature PEM with on-board reforming
 - \$23k already funded internal RISE for pre-study – seeking an additional \$23k (SEK equivalent)
- **Mississippi/Great Lakes**
- **Hymeth Ship H2020**
- **E4Tech Report for Dutch Ministry: Biofuels for Shipping**
- **Other**

PROGRAMS & BUDGET

USD

- Marine Exhibitions Events **25,000**
- Pilots **20,000**
- Technical Consultant Resource **36,000**
- PR Consultant Resource **27,000**
- IBIA Membership **1,280**
- DGAC Membership **3,000**

TOTAL

\$112,280



Product Stewardship Committee Chairman's Report

Sue Appleton, PSC Chairman

Christian Meinecke, PSC Vice Chairman

Shri Gugan Siva Subramaniam, BAPS Chairman

MI Board of Directors Meeting

June 14, 2018 – Como, Italy

PSC/BAPS Chairman's Report

- Click [HERE](#) to navigate to the June 4th Product Stewardship Committee Call minutes

PSC/BAPS Chairman's Report

1. Safe Handling Video Update

- Total projected cost of US\$30,000 for Safe Handling Video update, \$16,500 submitted to Hadron Films from 2017 funds.
- MI staff coordinating with Methanex to set up shooting dates at their Geismar, LA production facility.
- Seeking to capture additional footage of one of Methanex's dual-fuel vessels to aid in promotion of methanol as a marine fuel.

PSC/BAPS Chairman's Report

2. Safety Snapshot Newsletter



- Issue Focusing on MI's full suite of safe handling materials (Methanol Safe Handling Manual's 4th Edition, technical bulletins, bootleg alcohol prevention information) released.
- Companion press release on safe handling materials released and promoted via MI's social media channels.

PSC/BAPS Chairman's Report

3. Government & Regulatory

- EU REACH restriction on windshield wiper fluid (WWF)
 - Two additional options, available to further contest the restrictions
 - MI staff to investigate lodging an appeal with EU Ombudsman
- Government & Regulatory Affairs Matrix (AP/ME)
 - Expected completion by end June '18

PSC/BAPS Chairman's Report

4. Bootleg Alcohol Prevention Subcommittee (BAPS)

- MI's Chris Chatterton and Dom LaVigne, along with OD's Dr. Knut Hovde, met with Apothecon Pharma in India in April
 - Meeting focussed on goals of securing cost-effective supply of Fomepizole & distribution into Indonesia & wider market areas
 - Apothecon believes that target price (US\$ 200/dose) can be met if wider market demand for Fomepizole can be assured
 - In 2017, MI invested US\$30,000 in OD in the form of a zero-interest loan



Treasurer's Report

Dennis Patrick, Board Treasurer
Greg Dolan, CEO

Methanol Institute Board of Directors
14 June 2018 – Como, Italy

Cash Reserve

- **2017 Year-End Surplus = \$45,821**
 - Total income: \$2,023,392 – 100% of dues target!
 - Total Expenses: \$1,977,180
- **YE 2017 Cash Reserve = \$1,004,134**
- **Cash Reserve is 51% of projected 2017 operating expenses**
- ***Meets Board desire for Cash Reserve target of 50% of annual operating expenses***

2018 Revenue

- **2018 Actual Dues in as of 30 April: \$1,717,500**
 - *31 of 39 members and 85% of 2018 budgeted dues*
- **2018 as of June 4:**
 - Enerkem and Salalah Paid - \$1,782,500 or 88.5%,
 - *MHTL H2 Dues - \$1,882,500 or 93.4%*
- **2018 New Member Dues:** IGP Methanol - \$7,500
- **Dues at Risk:** BP (\$50k) and Muntajat (\$15k)
- **Anticipated:** CRI (\$15k); Clariant (\$15k); Lebzi Halal (\$15k); Tricon (\$15k); and UCC (\$15k)

2018 Expenses

- **Total Expenses: \$709,013 (35% Actual-to-Budget)**
- **Program Expenses: \$70,641 (16% A-to-B)**
 - Additional funding safe handling video
 - New ATA Insights Renewable Methanol Primer/Webinar
 - Marine Fuel Model funded, reductions exhibition/tech resource
 - China Chief Rep/Support funding pending NGO registration/PKU contract renewal
- **Operating Expenses: \$127,183 (37% A-to-B)**
 - Include US and Singapore audits
- **Payroll: \$461,503 (43% A-to-B)**
 - Includes 2017 Performance Bonuses
- **Travel: \$49,686 (32% A-to-B)**
 - Dom LaVigne early travel ME/Japan/India

Full Detail Budget

- Click [here](#) for Cash Reserve analysis
- Click [here](#) for full detail budget



Membership Report

Greg Dolan

**MI Board of Directors Meeting
14 June – Como, Italy**

Dues Revenue

- **2017 Actual Dues Received: \$1,937,587**
 - *95% of 2017 budgeted dues*
- **2017 Revenue Loss:** BP, Lanxess, Oberon, Oorja, SCC Distribution and Vitol – *-\$125,000*
- **2017 New Member Dues:** Lebzi Halal, Muntajat, NFP, UCC – *+\$41,250*
- **2018 Actual as of 30 April: \$1,717,500**
 - Dues received from 31 of 39 Members
 - *85% of 2018 budgeted revenue*
 - Reminder notices sent
- **2018 New Member:** IGP Methanol (Tier 4)

2018 Staff-Member Engagements

- **Greg Dolan**

- USA: Mitsui; IGP Methanol; OCI; MOL; Proman; Mitsubishi Int; Atlantic Methanol;
- Sweden: Haldor Topsoe; Johnson Matthey; Clariant
- Denmark: Haldor Topsoe; Mitsubishi Corp; SABIC; Methanex; MOL; Helm;
- Italy: Ecofuel

- **Chris Chatterton**

- China: NWIW, Clariant, Methanex, Johnson Matthey, IGP Methanol, FiT
- Russia: Clariant, Haldor Topsoe, Johnson Matthey, Metafrax, NFP

- **Dom LaVigne**

- Japan: Methanex; MGC; MOL; Mitsubishi Int; Mitsui
- KSA: Sipchem
- Malaysia: PCG; Johnson Matthey; Lebzi Halal
- Oman: OMC; SMC
- Singapore: SABIC; Billion Miles
- UAE: Methanex

2018 Staff-Prospect Engagements

- Vopak; OTI; US Methanol; South Louisiana Methanol; Flour; Iogen; Celanese; Serenergy; Horizon; BASF; bse Engineering; Stena; MAN; Casale; Toyo; thyssenkrupp; Mitsubishi Heavy Industries; Air Liquide; Koch; Enterprise; Innogy; NYK; Marininvest; Westfall-Larson; IINO; Eni; Fiat Chrysler; Geely; Saipem; Scania; SGS; Sinopec; Tauber; Yuhuang; Shell; Progress Energy; Pierce; Catalytic Innovations; NGT-Synthesis; Element 1; Equinor; Primus; Argonaut; Colonial; TPC



Current Business: Revenue Task Force

**Methanol Institute Board of Directors
14 June 2018 – Como, Italy**

Task Force Mission

- Based on Strategic objectives of the association determine unfunded program needs
- Consider total revenue targets for ***Proposed 2019 Operating Budget***
- Provide recommendations on revisions to MI dues structure ***which has not changed since 2007***
- Any changes to dues structure should seek to minimize loss of existing members
- Identify opportunities for non-dues revenue
- Discuss ways to accelerate member recruitment

Task Force Members

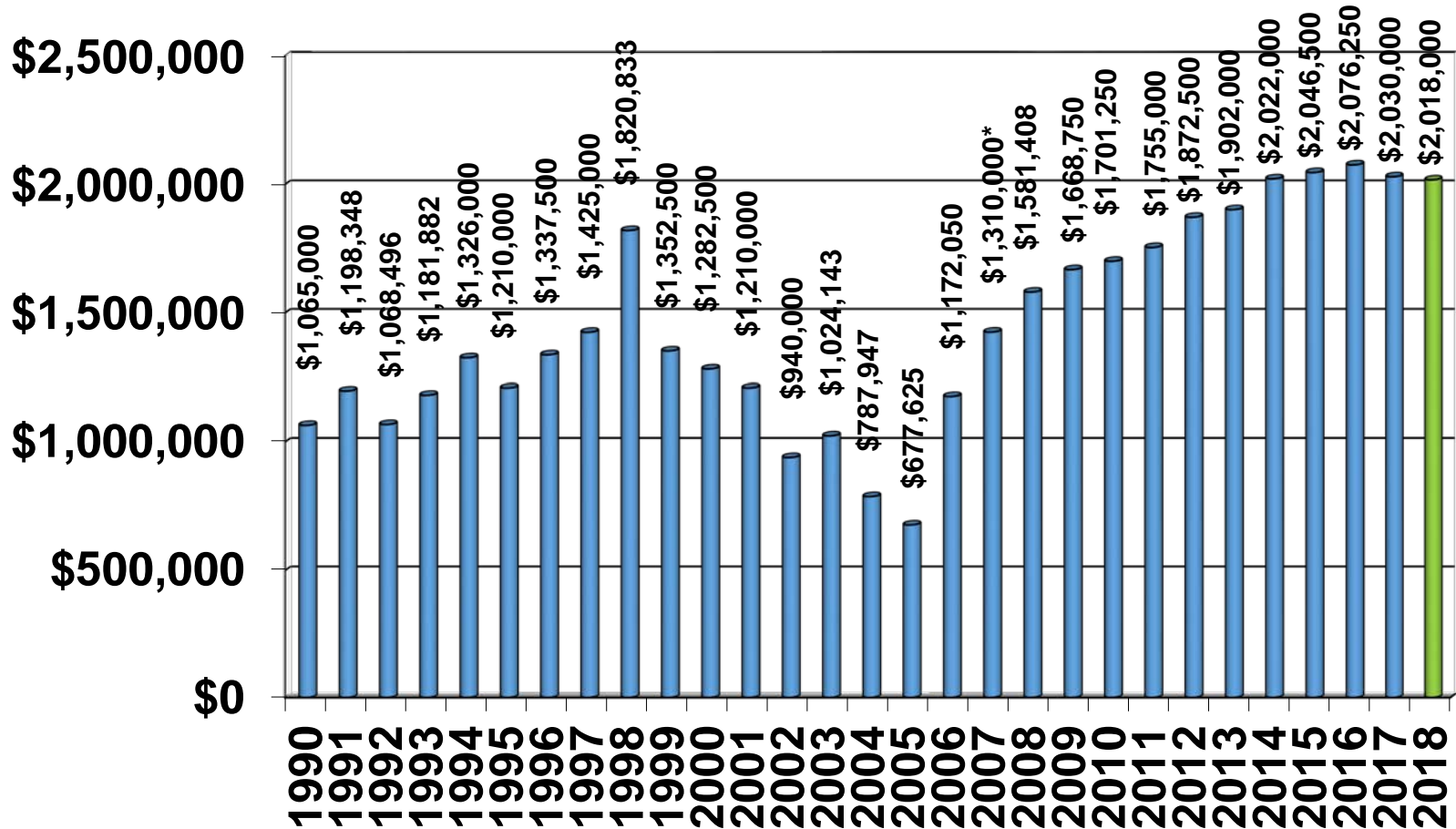
- **ExCo Members representing Tier 1 – Ben Iosefa, Methanex and Olga Sessions, SABIC**
- **Tier 2 Members – Mark Vassar, MGC and John Carley Mitsui**
- **Tier 3 Member – Peter Roberts, Johnson Matthey**
- **Tier 4 Member – Jan W. Spin, SCC**
- **Staff: CEO & COO – Greg Dolan and Chris Chatterton**

Task Force Timeline

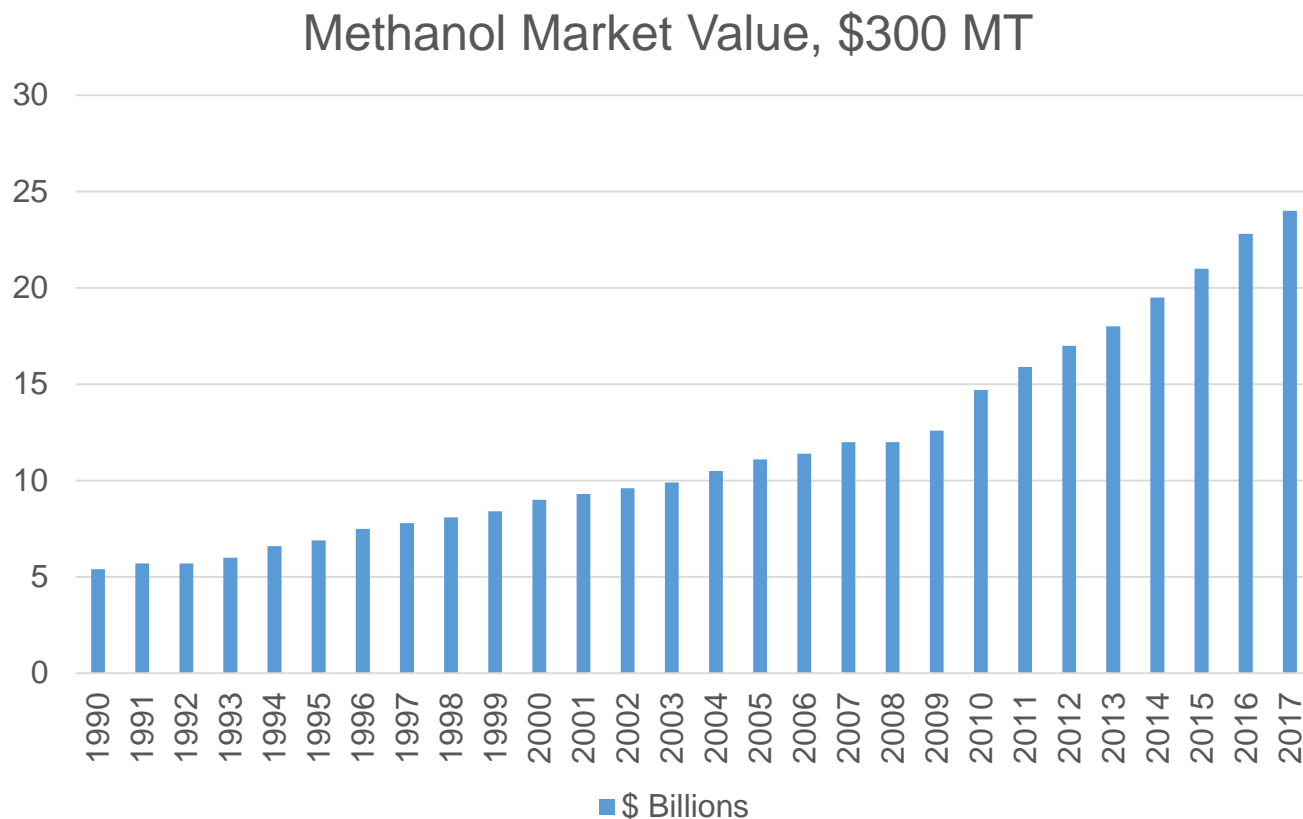
- 7 June 2017 – Hamburg Strategic Planning Workshop
- 26 October 2017 – Task Force Request for Participation
- 10 November 2017 – Singapore Board Meeting Discussion
- 1 February – Conference Call Held
- **7 March – Second Conference Call (not held)**
- 23 March – Houston Board Meeting Discussion
- May – Member Survey
- 14 June – Como Board Meeting Final Recommendations
- 9 November – Extraordinary Members Meeting Adoption of Constitution/By-Laws Amendments
- 1 December – Distribution of 2019 Dues Invoices

MI Dues Revenue History

Noted: Since 2007, inflation has increased by 25% eroding MI dues value



Market Value v. MI Dues Revenue



Since 1990, MI dues revenue increased from \$1 million to \$2 million, while industry market value increased from \$5.4 billion to \$24 billion
Additional resource needed to “keep up” with methanol’s expansion

Membership Structure

Tier 1

Major Methanol Producers

- Major producers of methanol (> 1.5M mtpa)
- Two Board Seats with voting rights
- Executive Committee participation
- Standing Committee Chairmanship potential
- **3 Member Companies = \$600,000 Dues**

Annual Dues:
\$200,000

Tier 2

Methanol Producers

- One Board Seat with voting rights
- Board Secretary participation
- Standing Committee Chairmanship potential
- **7 Member Companies = \$700,000 Dues**

Annual Dues:
\$100,000

Tier 3

Associate Members

- Minimum Tier level for producers
- Board of Directors meeting participation (non-voting)
- Standing Committee Chairmanship potential
- **8 Member Companies = \$400,000 Dues**

Annual Dues:
\$50,000

Tier 4

Affiliate Members
(Non-Producers)

- Board of Directors meeting participation (non-voting)
- Participation in Standing Committees
- **20 Member Companies = \$300,000 Dues**

Annual Dues:
\$15,000

Producer Capacity by Tier

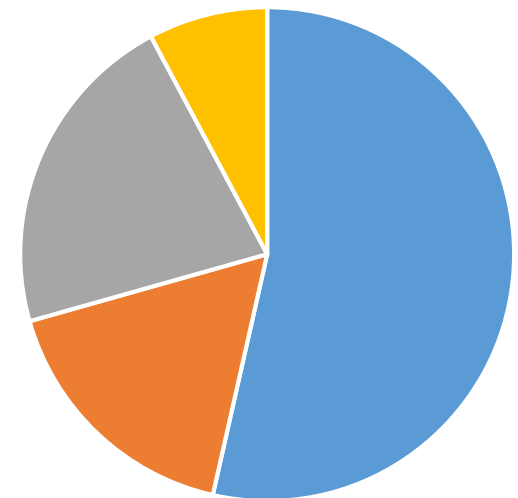
- Little distinction between production capacities for Tier 2 and 3
 - Benefit of Tier 2 versus Tier 3 resides in seat on Board which provides effective means to influence direction of MI and ensuring their company receives maximum value for its member dues, including:
 - confirmed initiatives
 - budget allocations
 - staff resources
- | | |
|---|--|
| <ul style="list-style-type: none">• Tier 1 (-000- mtpa)<ul style="list-style-type: none">• Methanex – 9420• MHTL – 5340• SABIC – 3055• Tier 2<ul style="list-style-type: none">• AMPCO – 1000• MGC – 1531• Mitsui – 800• OCI – 2375• OMC – 1100• PCG – 2490• QAFAC – 980 | <ul style="list-style-type: none">• Tier 3<ul style="list-style-type: none">• Ecofuel – 850• G2X – 950• Mitsubishi Int – 893• Metafrax – 1000• Salalah – 1300• Sipchem – 1165• Tier 4<ul style="list-style-type: none">• CRI – 2• Coogee – 70 |
|---|--|

Note: MMSA provided data

2018 Budget Summary

- “Conservative” budget
 - Income = \$2,018,000; Expenses = \$2,017,830
- Program Expenses: \$435,280
 - Committees Total = \$139,780: Leg/Reg = \$10,000; PSC = \$6,000; MDC = \$11,000; GFBC = \$0; Marine = \$112,280; Regional Representative Offices (EU/China): \$247,000; Public Affairs: \$48,500
- Operating Expenses: \$344,750
 - Singapore, Washington and Beijing offices
- Payroll: \$1,080,300
 - 6 full-time employees in Singapore and Washington
- Travel: \$157,500
 - Continuing reductions in travel expenses

2018 Budget



■ Payroll ■ Operating ■ Program ■ Travel

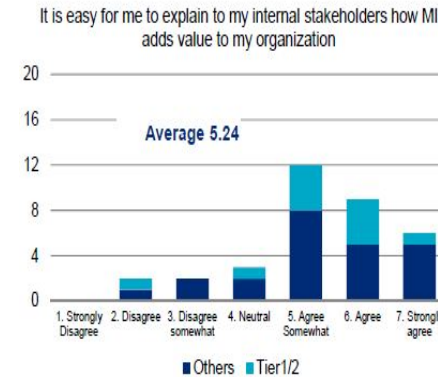
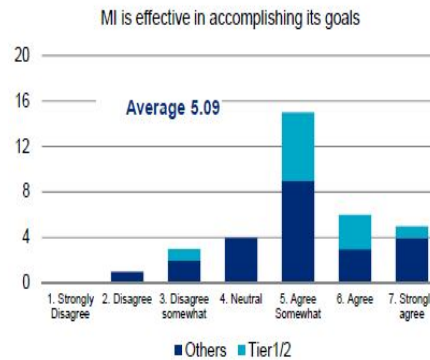
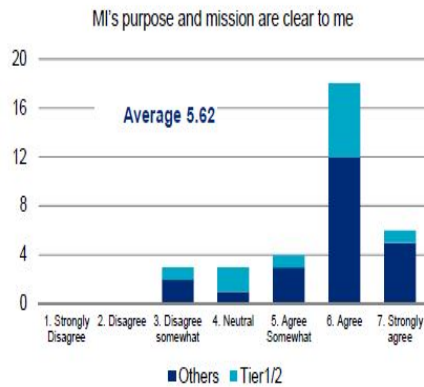
Potential Activities

- **Global Fuel Blending**
 - Coryton Methanol/Gasoline Fuel Blend Testing = \$40,000
 - FEV Diesel Substitution Feasibility Study = \$80,000
- **Legislative/Regulatory**
 - Hazard Assessment Canada Chemicals Management Plan = \$10,000
 - Consulting Toxicologist = \$15,000
- **Marine Fuels**
 - Pilot Demonstration Programs = \$150,000
- **Product Stewardship**
 - Translation Services = \$25,000
 - Webinars = \$30,000
- **Market Development**
 - Renewable Methanol Report = \$25,000
 - Boiler Report and Standards = \$25,000
- **Beijing Office Registration/Operation = \$100,000**

**Committee Initiatives
Total = \$500,000**

MI Member Survey Results

- 2018 results (bottom) show improvements to 2017 Mercer survey



1 = Strongly Disagree , 2 = Disagree , 3 = Disagree Somewhat , 4 = Neutral , 5 = Agree Somewhat , 6 = Agree , 7 = Strongly Agree



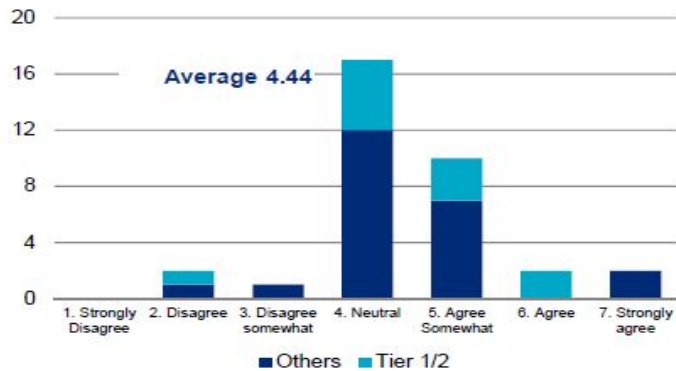
Hold the mouse over each color of the bar to see the number of respondents.

Answer	Number of Responses	Rating Score*
MI's purpose and mission are clear to me	19	6.3
MI is effective in accomplishing its goals	18	5.7
It is easy for me to explain to my internal stakeholders how MI adds value to my organization	18	5.8

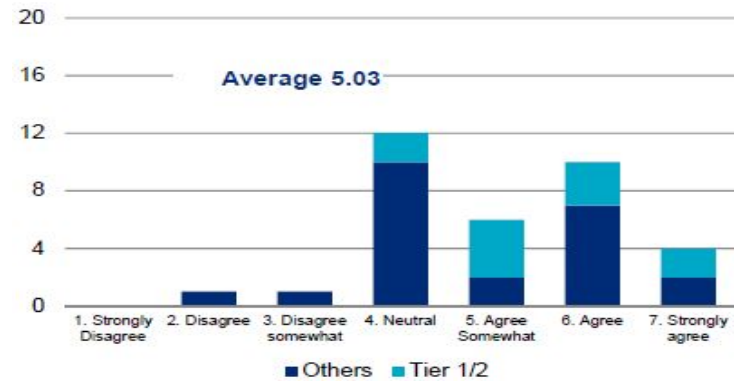
MI Member Survey Results

- 2018 results (bottom) show improvements to 2017 Mercer survey

My organization would wish to increase its involvement in MI's work



MI should seek to increase its funding to better support the execution of its initiatives



1 = Strongly Disagree , 2 = Disagree , 3 = Disagree Somewhat , 4 = Neutral , 5 = Agree Somewhat , 6 = Agree , 7 = Strongly Agree



Hold the mouse over each color of the bar to see the number of respondents.

Answer	Number of Responses	Rating Score*
My organization would wish to increase its involvement in MI's work	18	4.8
MI should seek to increase its funding to better support the execution of its initiatives	18	5.2

MI Member Survey Results

- Additional 2018 Survey Responses

1 = Yes , 2 = No

Answer	1	2
Do you feel that your organization is getting good value for your money from MI?	14 (87%)	2 (12%)

1 2

Hold the mouse over each color of the bar to see the number of respondents.

Answer	Number of Responses	Rating Score*
Do you feel that your organization is getting good value for your money from MI?	16	1.1

1 = Tier 1 , 2 = Tier 2 , 3 = Tier 3 , 4 = Tier 4

Answer	1	2	3	4
What Tier level is your organization?	8 (53%)	2 (13%)	2 (13%)	3 (20%)

1 2 3 4

Hold the mouse over each color of the bar to see the number of respondents.

Answer	Number of Responses	Rating Score*
What Tier level is your organization?	15	2.0

MI Member Survey Results

- Additional 2018 Survey Responses

1 = Yes , 2 = No

Answer	1	2
Would your organization be willing to provide additional support to MI through an increase in dues?	11 (68%)	5 (31%)

1 2

Hold the mouse over each color of the bar to see the number of respondents.

Answer	Number of Responses	Rating Score*
Would your organization be willing to provide additional support to MI through an increase in dues?	16	1.3

1 = Yes , 2 = No

Answer	1	2
Would your organization be willing to provide financial support for individual pilot projects managed by MI?	6 (37%)	10 (62%)

1 2

Hold the mouse over each color of the bar to see the number of respondents.

Answer	Number of Responses	Rating Score*
Would your organization be willing to provide financial support for individual pilot projects managed by MI?	16	1.6

Answer	Respondent
For specific initiatives with a strong business case.	Anonymous

1 February Conference Call Notes

- Participants: Ben Iosefa, Olga Sessions, John Carley, Peter Roberts, Jan Spin and Greg Dolan
- The committee “wish list” demonstrates what could be done with an additional \$500k in revenue
- Would indicate need for 25% increase in revenue
- Members were supportive of a % dues increase, could also define minimal production capacity thresholds for Tier 1-3 (*Tier 1 now identified as Producers over 1.5 MMT capacity*)
- Methanol Foundation could be used to provide mechanism for members to support specific project activity, and for accessing government grants/funds

MI Revenue Option #1: % Increase

- Increase dues on a percentage basis across the board:
 - 10% Dues Increase = \$200,000
 - 15% Dues Increase = \$300,000
 - 20% Dues Increase = \$400,000
 - 25% *Dues Increase* = \$500,000
- *During the Board discussion in Houston in March, members expressed support for a 25% dues increase for 2019*

MI Revenue Option #2: Staggered

- Keeping the four tier dues structure, another option is a staggered adjustment of dues levels by tier, such as:
 - Tier 1 -- \$200,000 → \$250,000 (2019 – 3 members/\$150,000)
 - Tier 2 -- \$100,000 → \$125,000 (2019 – 7 members/\$175,000)
 - Tier 3 -- \$50,000 → \$62,500 (2019 – 8 members/\$100,000)
 - Tier 4 -- \$15,000 → \$18,750 (2020 – 20 members/\$75,000)
- ***Task Force Recommendation:***
 - ***Tier 1-3: 25% dues increase for 2019***
 - ***Tier 4: 25% dues increase for 2020***
 - ***Demonstrates clear leadership by producer members***
- ***Requires Constitution/By-Law amendment to dues schedule***

Additional Revenue Sources

- **A la carte Funding**
 - MI staff could identify specific project proposals, and then determine if specific member companies wish to provide support
 - MI staff could still provide management for project activities
- **New Members**
 - Membership recruitment is a key component of any effort to increase revenue
- **Create new “Allied” dues category**
 - For start-ups at pre-revenue stage develop renewable methanol production or energy market applications (as well as government entities, class societies, industry consultants, service companies) @ \$2,500 for annual dues
 - Would require amending Constitution/By-Laws



Current Business: China NGO Registration

Chris Chatterton, COO

**Methanol Institute Board of Directors
14 June 2018 – Como, Italy**

UPDATES ON MI CHINA REGISTRATION

- All translation work mostly completed
- Still discussing with MIIT on formal sponsorship, but on track for Aug/Sep
- Have broadly agreed with CPCIF on office space within their building
- If sponsorship supported and registration approved, the China entity will require an additional budget to support the expanded effort there, even though the new entity may only function for the 4th qtr of 2018 (ie; accounting, audit, office, etc)
- Due to the change in NGO law in mid-2016, which came into force in Jan 2017, PKU was not able to accept payment in 2017 per the agreement signed between MI and PKU in 2015:
 - No payments to PKU in 2017 or 2018 (to date)
 - If registration in 2018 is successful, will plan to pay 2018 fees per the PKU Agreement and pay down the arrears of \$71,520 from 2017 over 2019 and 2020 [2 x \$35,760]

MI CHINA BUDGET

China	2017 Budget	2017 Actual	2018 Budget	2018 Actual	2019 Budget	2020 Budget
Programs						
China Boiler Standard		14,700	5,000			
China Cookstove Standard					5,000	5,000
Representative Office						
Stakeholder Engagement	10,000	10,943	12,000	6,000	12,000	12,000
Chief Representative (Consulting Services per PKU Agreement)	59,520		59,520		59,520	59,520
Office Manager					10,000	10,000
PKU 2017 Arrears					35,760	35,760
Expense Report 2017 Arrears				15,000		
China Support (Rent per PKU Agreement)	12,000		12,000		12,000	12,000
Public Affairs						
Industry Conferences	1,500	920	3,000		3,000	3,000
Translation Services			5,000		5,000	5,000
Operating Expenses						
Rent					12,000	12,000
Sponsorship			2,500		10,000	10,000
Legal			10,000	3,401	2,000	2,000
Accounting			12,000		12,000	12,000
Audit			15,000		15,000	15,000
Printing			2,000		2,000	2,000
Other Office Expenses			1,000		1,000	1,000
Travel						
Chief Representative	10,000	13,374	7,000	1,022	3,000	3,000
Entertainment						
Chief Representative	350	604			1,000	1,000
Total	93,370	40,541	146,020	25,423	200,280	200,280



Current Business: VeryConnect Update

Chris Chatterton, COO

**MI Board of Directors Meeting
14 June 2018 – Como, Italy**

ASSOCIATION MANAGEMENT SOFTWARE

- **Objective:** More professional committee/Board member engagement by enhancing participation outside of quarterly calls/meetings
- **Reliable SaaS technology, tailored to our needs and with easy navigation**
- **Designed to support the MI brand**
- **Connects with member social media platforms**
- **Will incorporate a repository of supporting documentation for each Committee so we do not have to rely on Dropbox (not accepted in China and many Corporate firewalls)**
- **Will also support many administrative functions such as announcements and tracking member reps**
- **User experience similar to LinkedIn & Facebook**
- **Launching in June**
- **Full member participation in July**



CURRENT NEWS AND MAIN DROP-DOWNS

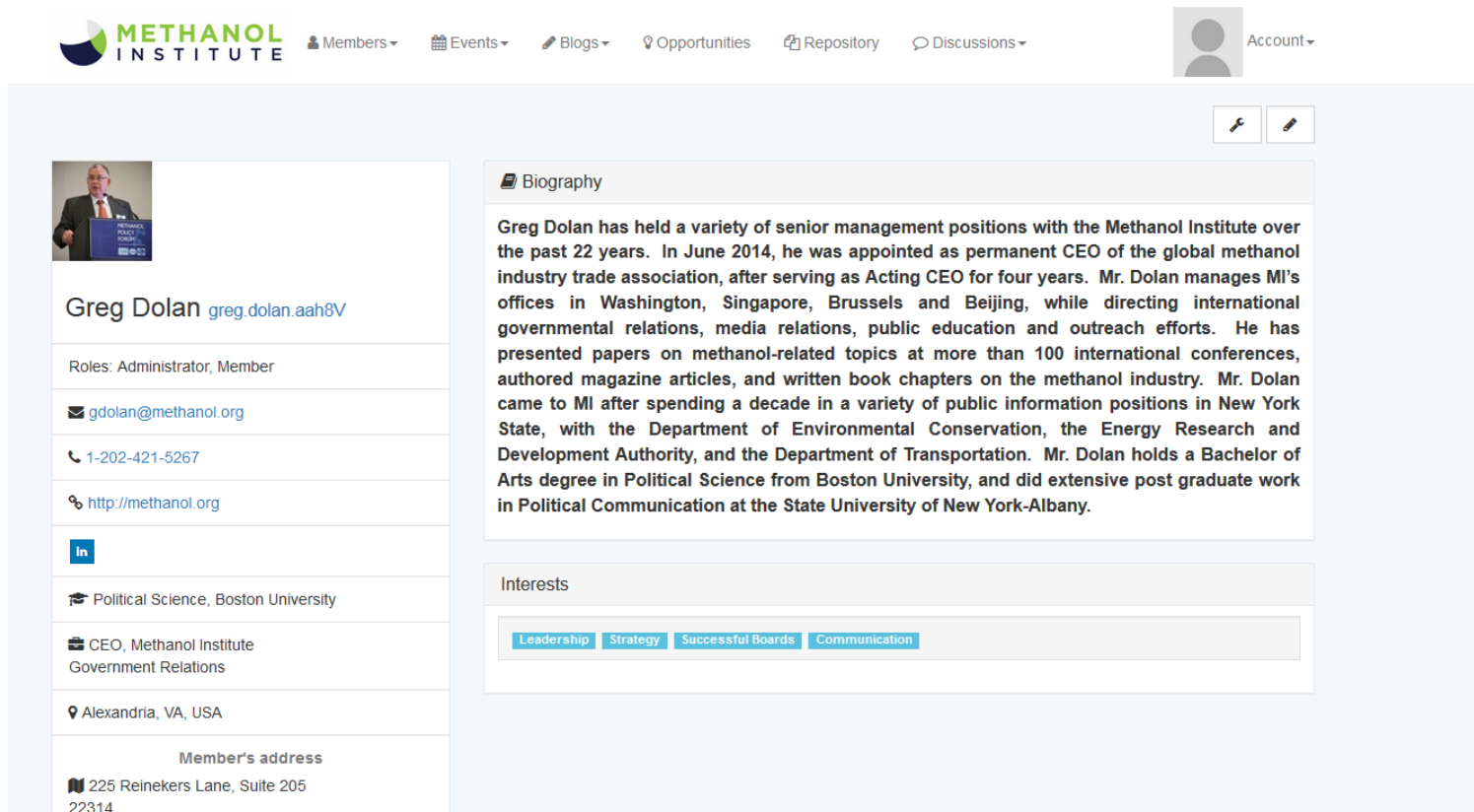
Homepage

The screenshot displays the Methanol Institute homepage with the following elements:

- Navigation Bar:** Methanol INSTITUTE logo, Members, Events, Blogs, Opportunities, Repository, Discussions, and Account.
- Sharing Box:** A text input field with the placeholder "Want to share something?", a character count of "250 characters left", and "Attach" and "Share" buttons.
- News Story:** A post from Methanol Institute, shared 4 days ago, with the URL <https://www.einpresswire.com/article/449161023/summeth-project-gives-green-light-to-adoption-of-methanol-as-a-sustainable-marine-fuel>. The story includes a photograph of a large orange ship on the water.
- Profile Section:** A circular progress indicator showing "Your profile is 52% complete" and an "Edit Profile" button.
- Members List:** A section titled "Our most recent members" listing:
 - Novpreet Bajwa** (4 days ago): Operations/Web Coordinator at Methanol Institute.
 - Eelco Dekker Dekker** (17 days ago): Chief Representative Europe at Methanol Institute.
 - Dom LaVigne** (17 days ago): Director of Government & Public Affairs - Asia Pacific/Middle East at Methanol Institute.

ALLOWS EACH MEMBER TO UNIQUELY PARTICIPATE

Individual Profile



The screenshot displays the user profile for Greg Dolan on the Methanol Institute website. The page features a navigation bar at the top with the Methanol Institute logo and menu items: Members, Events, Blogs, Opportunities, Repository, and Discussions. A user account icon is visible in the top right corner. The profile itself is divided into two main sections. On the left, there is a profile card containing a photo of Greg Dolan, his name, a unique identifier (greg.dolan.aah8V), and his roles (Administrator, Member). Below this, contact information is listed: email (gdolan@methanol.org), phone (1-202-421-5267), website (http://methanol.org), and a LinkedIn link. His education (Political Science, Boston University) and current position (CEO, Methanol Institute Government Relations) are also shown, along with his location (Alexandria, VA, USA) and a physical address (225 Reinekers Lane, Suite 205, 22314). On the right, the 'Biography' section provides a detailed text-based overview of his 22-year career at the Methanol Institute, highlighting his role as CEO, his international office management, and his extensive experience in public information and industry conferences. Below the biography, an 'Interests' section lists four key areas: Leadership, Strategy, Successful Boards, and Communication.

METHANOL INSTITUTE Members Events Blogs Opportunities Repository Discussions Account

Greg Dolan greg.dolan.aah8V

Roles: Administrator, Member

gdolan@methanol.org

1-202-421-5267

http://methanol.org

in

Political Science, Boston University

CEO, Methanol Institute
Government Relations

Alexandria, VA, USA

Member's address

225 Reinekers Lane, Suite 205
22314

Biography

Greg Dolan has held a variety of senior management positions with the Methanol Institute over the past 22 years. In June 2014, he was appointed as permanent CEO of the global methanol industry trade association, after serving as Acting CEO for four years. Mr. Dolan manages MI's offices in Washington, Singapore, Brussels and Beijing, while directing international governmental relations, media relations, public education and outreach efforts. He has presented papers on methanol-related topics at more than 100 international conferences, authored magazine articles, and written book chapters on the methanol industry. Mr. Dolan came to MI after spending a decade in a variety of public information positions in New York State, with the Department of Environmental Conservation, the Energy Research and Development Authority, and the Department of Transportation. Mr. Dolan holds a Bachelor of Arts degree in Political Science from Boston University, and did extensive post graduate work in Political Communication at the State University of New York-Albany.

Interests

Leadership Strategy Successful Boards Communication



New Business: November Board Meeting

Greg Dolan

**Methanol Institute Board of Directors
14 June 2018 – Como, Italy**

November Board Meeting

- **The third and final MI Board of Directors meeting for 2018 will take place on Friday 9 November in Singapore immediately following the IMPCA Asian Methanol Conference**

