

NEWS RELEASE www.jogmec.go.jp**Japan Oil Gas and Metals National Corporation**

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Report of JOGMEC Techno Forum 2017

Japan Oil, Gas and Metals National Corporation (JOGMEC) held “JOGMEC Techno Forum 2017” at Palace Hotel Tokyo on November 28 and 29, 2017, which was the 5th time for JOGMEC to host the event. During the forum, 24 speeches were presented by speakers from government agencies and NOCs of oil and gas producing countries, and domestic and overseas companies in E&P or related fields. Panel discussion was also organized and 4 experts from global E&P and service companies discussed the theme of “Technology Innovation”. Simultaneously, Japanese cutting-edge technologies from 17 companies were displayed as solutions to the technical challenges at exhibition. JOGMEC Stockpiling Department also showcased technologies used in floating storage system, and JOGMEC’s activities were introduced with the poster exhibition. A total of 1,800 people visited this forum.

JOGMEC Techno Forum is intended to strengthen the relationships between Japanese companies holding various cutting-edge technologies and resources-producing countries. This year, under the theme of “Opening a New Era of Technology Innovation”, we cast a spotlight on the 3 keywords; “Independence from the fluctuating oil price environment”, “Competitiveness” and “Synergy”.

【Overview of JOGMEC Techno Forum 2017】

- Date : November 28 (Tue) and 29 (Wed), 2017
- Venue : Palace Hotel Tokyo
- Co-host : Ministry of Economy, Trade and Industry (METI)
- Speakers : 24 speakers from government agencies and NOCs of oil and gas producing countries, IOCs, and domestic/ foreign companies etc.
- Exhibitors : 17 Japanese companies holding cutting-edge technologies and JOGMEC Stockpiling Exploration Department
- Participants : More than 1,800 in total

For more detail, please refer to the website below.

<http://www.techno-forum2017.jp/english/>

【Day1】

On Day 1, executives from DG MIGAS (Indonesia), ADNOC (Abu Dhabi) and PEMEX (Mexico), as the representative of oil and gas producing countries, made keynote speeches about their strategy how they determine the direction for technology investment along with the growing energy demand despite of a low barrel price. In the latter slot, 4 experts from domestic and foreign E&P related companies (IHS Markit, TOTAL, INPEX and BHGE) established extensive panel discussion referring to their upstream track records for “Technology Innovation”. Their latest activities has been built over awareness of not only low oil price but climate change issues.

【Day2】

On Day 2, we organized three particular technical sessions focusing on “Offshore Technologies”, “Unconventionals” and “IoT/ Big Data”, which E&P companies are enthusiastically pursuing in order to ensure technological competitiveness. In respective sessions, first-rate companies from home and abroad introduced their technological approach toward the solution to the difficulties which appear in their business areas. In the closing session, INPEX, JX, and JAPEX demonstrated their philosophies how they will practically adopt “Technology Innovation” in the future, along with their technological roadmaps.

As a concluding comment of the fifth Techno Forum, Mr.Ichikawa, executive director, oil & gas upstream technology unit, JOGMEC, noted the potential of further synergy beyond technological fields.

Exhibition also gathered lively interests during the forum. The number of exhibiting companies was the largest ever, and they showcased variety of advanced technologies related to “Offshore Technologies”, “Unconventionals” and “IoT/ Big Data”. This exhibition worked as the platform for business chance development by stimulating participants to discuss promising technologies in front of their eyes.

Through the “Technical Solutions Project” activities including this Techno Forum, JOGMEC is determined to enhance Japanese companies’ solutions to the technological challenges faced in oil and gas producing countries.



Mr. Keisuke Kuroki
President, JOGMEC
Opening Address



Mr. Yuki Sadamitsu
Director, Policy Planning Division, Natural
Resources and Fuel Department, Agency for
Natural Resources and Energy, METI
Opening Remarks by the Representative of METI



Mr. Qasem M. Al Kayoumi
Abu Dhabi National Oil Company (ADNOC)
ADNOC Drive to meet
its Energy Supply Commitment



Dr. Ego Syahril
Ministry of Energy and Mineral Resources,
Indonesia
Indonesia's Oil and Gas Infrastructure Development



Mr. J. Javier Hinojosa Puebla
PEMEX Exploracion y Produccion
PEP Technology Strategy



Mr. Judson Jacobs
IHS Markit

Leveraging technology and innovation
to advance upstream aspirations



Dr. Philippe Julien
Total S.A.

Innovation in Carbon Capture Utilization and Storage
(CCUS)



Mr. Tetsuro Tochikawa
INPEX Corporation

Ability to Apply Technology and Innovation
to our E&P business



Mr. Ahmed Elsherbini Ibrahim
BHGE

Transformation of Digital Technologies
in the Energy Industry



Dr. Shahidah Mohd Shariff
PETRONAS

PETRONAS Technology Challenges
and Needs for offshore Oil & Gas Development
- A Journey as a World Class Technology Player



Mr. Frederic J.L. Hannon
Total S.A.

Shipping LNG in arctic seas: in the track of the
ice-breaking LNG Carrier Christophe de Margerie



Prof. Kaj Riska
Total S.A.

Needs and development in Arctic Engineering



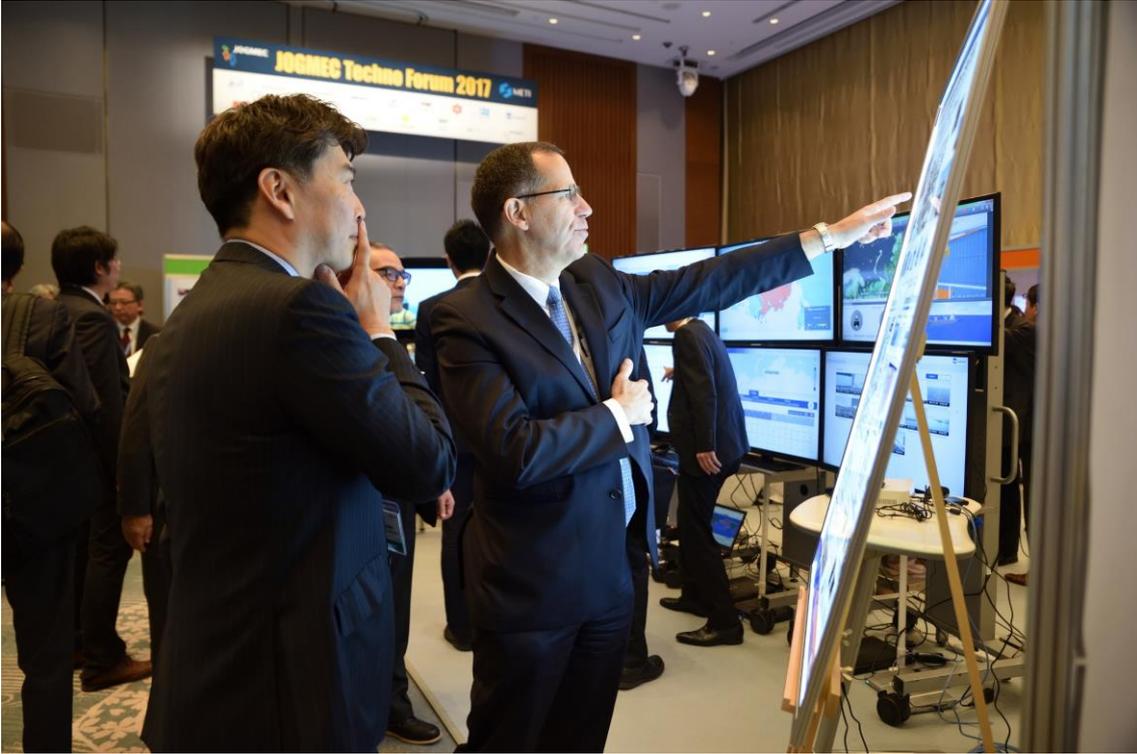
Dr. Z. (John) Zhou
Alberta Innovates

Recent Innovations in Canadian Oil Sands Industry



Mr. Shashank Panchangam
Halliburton-Landmark

Oil & Gas in the Digital age
- How Big Data, Cloud and IoT are challenging
traditional ways of doing business & completely
transforming E&P industry



Exhibition Booths



Day1: Panel Discussion: "Technology Innovation"