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Japan Oil, Gas and metals National Corporation

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**Report of Technical Solutions Training Program  
[HSE Management Course]**

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Japan Oil, Gas and Metals National Corporation (JOGMEC, President: Mr. Hirobumi KAWANO) conducted the Technical Solutions Training Program [HSE Management Course] from January 20 to February 7, 2014. Eleven (11) engineers from four countries (the United Arab Emirates, Qatar, Libya, and Turkmenistan) participated, and the course was successfully completed.

As a government agency of one of the largest energy consuming countries in the world, JOGMEC is strengthening its relationships with oil and gas producing countries by contributing to their human resources development. JOGMEC invites oil and gas engineers from ministries, national oil companies, and their group companies to provide the E&P related training courses under the Overseas Training Program. Since the JOGMEC's training program began in 1989, almost 2,900 participants from 46 countries have completed the courses.

The HSE<sup>1</sup> Management Course was conducted as the first course under the "Technical Solutions Training Program." This program is a brand-new addition to JOGMEC's training scheme and also a component of JOGMEC's initiative, the "Technical Solutions Project<sup>2</sup>." Through this new training program, JOGMEC aims to help all the participants to find "technical solutions" with customized Japanese technologies for the challenges they face in E&P projects.

In the HSE Management Course, participants gain greater insights into HSE management system, as well as technologies for improved productivity and environmental protection, such as produced-water treatment, oily-soil remediation, waste management, and NORM<sup>3</sup> management. The participants also had opportunities to visit various leading Japanese companies with innovative technologies, and to discuss potential application of these technologies to solve challenges in oil and gas fields.

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<sup>1</sup> HSE: Health, Safety, and Environment.

<sup>2</sup> "Technical Solutions Project": a new initiative, launched in 2013 by JOGMEC, in which JOGMEC conducts technology development collaboratively with a wide range of Japanese industries to customize advanced technologies and offer "technical solutions" for the challenges in oil and gas E&P projects.

<sup>3</sup> NORM: Naturally Occurring Radioactive Materials.

Thanks to eleven professional engineers<sup>4</sup> who have respective experiences and expertise in the area of oil and gas HSE management systems, lively discussions were held throughout the course.

The HSE Management Course received positive feedbacks from the participants. JOGMEC is planning the next Technical Solutions Training Program in autumn 2014.

■ Course Abstract

1) Name

JOGMEC Technical Solutions Training Program [HSE Management Course]

2) Duration

January 20, 2014 – February 7, 2014 (3 weeks)

3) Participants

Engineers and HSE managers from government and national companies of oil and gas producing countries

- UAE (3 participants): ADMA-OPCO, ZADCO, NDC (National Drilling Company)
- Qatar (2 participants): Qatar Petroleum
- Libya (3 participants): NOC, JOT (Jowfe Oil Technology), North African Exploration Company (NAGECO)
- Turkmenistan (3 participants): Turkmenogas

4) Lecturers Japan Oil Engineering Co., Ltd., JOGMEC

■ Picture of Closing Ceremony [HSE Management Course] (February 6, 2014)



<sup>4</sup> For eleven participants' affiliation, see "Course Abstract."