

# LOI Signing Ceremony for the Joint Project on Operational Improvement of a Catalytic Polymerization Unit in the Refinery (Qatar)



*Members of the signing ceremony from QP and Japan*

JCCP began two joint projects in fiscal 2013 and held a Letter of Intent (LOI) signing ceremony for them with Qatar Petroleum (QP), its counterpart, on July 2, 2013. The background, development and overview of the two projects—the “Joint Project on Operational Improvement of a Catalytic Polymerization Unit in the Refinery” and the “Joint Project on Wastewater Recycling in the Refinery”—are presented below.

## 1. Background, Development and Overview of the Projects

### (1) Joint Project on Operational Improvement of a Catalytic Polymerization Unit in the Refinery

At the Mesaieed Refinery, a catalytic polymerization unit is used to produce gasoline-based materials and LPG from light olefins produced in an RFCC unit. However, as the catalytic polymerization unit has not been delivering its predetermined reaction rate, QP requested JCCP’s cooperation in investigating the cause of the problem and thereby improving LPG product yield. In response, this project was launched with the aim of first clarifying the problem by checking facility performance based on an analysis of operational

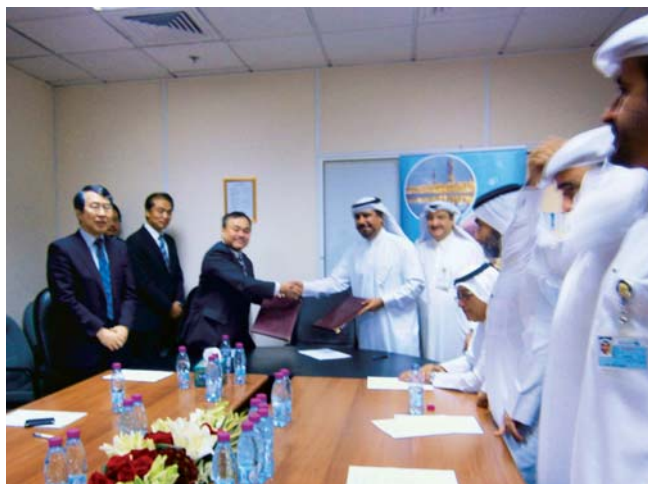
data from relevant LPG hydrotreating and separating facilities, and thereafter proposing a retrofitting plan to improve LPG product yield.

### (2) Joint Project on Wastewater Recycling in the Refinery

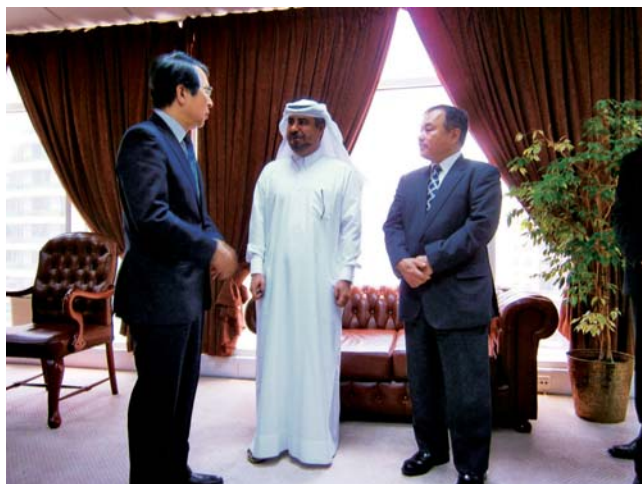
At the Mesaieed Refinery, wastewater that cannot be treated in the refinery’s existing wastewater treatment facility is pooled in a lagoon (reservoir), but contamination caused by underground seepage and overflow of the wastewater in the lagoon has become a serious concern, and prompted QP to request JCCP’s cooperation. In response, the project was launched with the aim of examining an optimal wastewater treatment method after identifying the source and properties of the wastewater.

## 2. Signing Ceremony

The signing ceremony was held at the QP head office. Mr. Hussain M. H. Al-Ishaq, Director – Refining, QP, and Mr. Morihiro Yoshida, Managing Director of JCCP, signed the LOI in the presence of H.E. Mr. Kenjiro Monji, Ambassador of Japan to Qatar, managers from



*Exchanging of the LOI by Mr. Hussain M. H. Al-Ishaq, Director – Refining, QP, and Mr. Morihiro Yoshida, Managing Director of JCCP*



*Friendly exchange of views with Mr. A-Ishaq (center) after the ceremony*

QP departments involved in the project, Mr. Masahiko Hirajo, Director, Cosmo Engineering Co., Ltd., and Mr. Shunichi Shiono, Managing Executive Officer, Swing Corporation.

In his speech, Mr. Al-Ishaq expressed his appreciation of and expectations for the project. He thanked JCCP for the achievements attained through joint projects implemented to date with JCCP, and asked JCCP to continue the cooperative relationship between the two organizations. Next, Ambassador Monji noted how truly gratifying it was to see the implementation of JCCP technical cooperation projects play a large role in establishing closer ties between Qatar and Japan, particularly in the energy field, and said that the Japanese Embassy would cooperate in every way possible. Mr. Yoshida stated that JCCP has implemented numerous projects in Qatar to date, but that the new opportunity to implement a joint project with QP at this time had extremely important significance, and said JCCP would take the opportunity to further strengthen and expand the friendly relationship between Qatar and Japan. Mr. Hirajo thanked QP for allowing his company to take part in implementing joint projects in Qatar since 2006, and expressed his company's wish to make continued contributions, not only in terms of technologies, but also

personal exchanges in the future. Lastly, Mr. Shiono stated that it was an honor to engage in the project on refinery wastewater recycling with QP, and said he hoped the project would contribute to future development in Qatar. After the speeches, Mr. Al-Ishaq and Mr. Yoshida signed the LOI and exchanged commemorative gifts, and the ceremony drew to a successful close amid a friendly atmosphere.

Following the ceremony, Ambassador Monji and Mr. Yoshida were invited to Mr. Al-Ishaq's office, located near the ceremony venue, to enjoy a sociable exchange of views with Mr. Al-Ishaq. As expectations of the results of the two projects run high in QP, their implementation is expected to contribute to expanding mutual friendship between QP and JCCP.

### 3. Summary

The signing ceremony was made possible by QP's thorough preparation, and was held with many relevant parties in attendance, which indicated QP's strong interest in the projects and high expectations for Japan. JCCP hopes the two projects that will be implemented jointly by Qatar and Japan will help take the friendly relationship between the two countries to an even higher level.

*<by Masatoshi Yokotsuka, Technical Cooperation Dept.>*