

TR-4-14: Upgrading Processes of Heavy Oil (May 13 - May 30, 2014)

Lecturer: Takaaki Yuasa

This course aimed to provide an understanding of the necessity of heavy oil upgrading technologies, and also covered the economic performance of processes that use such technologies and market demand trends. More specifically, the participants deepened their knowledge of diverse and characteristic process technologies such as the hydrotreating and cracking technologies, and gained hands-on experience in FCC unit operations through simulator training and production planning using an LP model. They also visited a refinery and catalyst manufacturer to acquire best practices and the latest technologies related to heavy oil upgrading.



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Site visits: JGC Catalysts & Chemicals Ltd. (Kitakyushu Operation Center),
Nippon Ketjen Co., Ltd. (Head Office), JX Nippon Oil & Energy Corporation (Negishi Refinery),
JCCP Headquarters

Countries: Indonesia, Iraq, Kuwait, Libya, Myanmar, Nigeria, Pakistan, Peru, Qatar,
Sudan, Vietnam (15 participants / 11 countries)

