

**TR-18-12 Development of New Energy Efficiency Projects**  
**January 15 – February 1, 2013**

**Lecturer: Tetsuo Arie**

**Content:** With the objective of developing capability for new project development, the course program is designed to start with basic technologies, analytical methodologies and financing schemes, followed by site visits to advanced manufacturing plants and energy industries. At the end, participants engage in a workshop to prepare for an actual project in their home countries.

Carbon Management; Latest Process Technologies;  
Pinch Technology; Advanced Equipment;  
Fuel Cell and Solar Energy;  
District Heating and Cooling;  
Latest Motor Fuel Technology;  
Latest Power Generation Technologies  
(Gas Turbine, Steam Turbine, Wind Power, Super Critical Power Generation);  
Carbon Finance; Workshop for Project Development

**Site visits:** Tokyo Gas Co., Ltd. (Shinjuku District Heating and Cooling Center);  
JX Nippon Oil & Energy Corporation (Negishi Refinery);  
Toyota Motor Corporation (Head Office and Plant);  
Kawasaki Heavy Industries, Ltd. (Kobe & Akashi Works);  
Mitsubishi Heavy Industries, Ltd. (Nagasaki Shipyard and Machinery Works);  
Electric Power Development Co., Ltd. (J-Power; Matsuura Thermal Power Station);  
Kitakyushu City (Eco-center)

**Countries:** Indonesia, Iraq, Kuwait, Libya, Myanmar, Nigeria, Pakistan, Saudi Arabia, Sudan, Thailand, UAE, Vietnam



*<12 countries / 17 participants>*