

## International Cooperation

Cosmo Oil has long been involved in technological cooperation and technical transfers with developing nations. In business development, we have made long-term dispatches of our specialists through the Japan International Cooperation Agency (JICA), joined in investigation projects through the New Energy Development Organization (NEDO) and received trainees and dispatched instructors through the Japan Cooperation Center, Petroleum (JCCP).

In recent years, international business cooperation has increasingly focused on pollution prevention, energy conservation and other themes related to global environmental preservation.

Cosmo Oil will continue to actively support environmental preservation and energy conservation in the developing nations, and build our relations with and provide aid funds to governmental organizations, providing training and the continued dispatch of specialists.

### Recent International Activities

#### Automotive Fuel Research for Environmental Improvement—Thailand

Thailand's severe traffic congestion has led to the problems of air pollution and environmental degradation. In the Thailand automotive fuel research for environmental improvement project, Cosmo Oil was asked by JICA to provide specialists and the project leader. In order to find the gasoline types that would be best suited to the traffic conditions in Thailand, the five year project, held from 1996 to 2000, was conducted in the laboratories of the Petroleum Authority of Thailand (PTT).



Environmental Improvement Automobile Fuel research, Thailand

#### Safety Management Technology—Mexico

Because a comparatively high number of accidents had occurred in the business operations of Petroleos Mexicanos (PEMEX), this program concerned the creation of a safety system. At the request of JICA, Japanese safety control technology, including equipment preservation technology, is being transferred to the Safety Training Center of the Salamanca Oil Refinery.



Safety Training Center, Mexico

#### 2000 Training Results (persons)

	Hosted trainees	Site observation and training	Dispatched trainers	Outside of JCCP
All training	139	186	83	40
Environment, energy conservation, safety related	21		20	

#### Major Ongoing International Cooperative Projects

(Environmental Protection and Energy Conservation Technology, Safety Management Training)

##### Special Long-Term Dispatch

Thailand (ESCAP): Energy conservation technology  
 Thailand (PTT): Automotive fuel research for environmental improvement  
 Mexico (PEMEX): Safety management technology  
 Mexico (CENICA): Air pollution analysis technology  
 Egypt (CCC): Water pollution analysis technology  
 Chile (CNMA): Industrial wastewater quality analysis technology  
 Malaysia (JBEG): Gas management technology

##### NEDO Basic Study for Joint Implementation

Thailand (MOSTE): Siam White Cement energy conservation  
 Myanmar (MPE): Tanlin Oil Refinery energy conservation  
 Indonesia (PERTAMINA): Gasoline vapor recovery