

# International Cooperation through Environmental/ Energy Technologies

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## Providing Energy Saving and Greenhouse Gas Reducing Technologies

The problem of global warming due to emissions of greenhouse gases (GHG), and particularly CO<sub>2</sub>, is becoming increasingly urgent and requires solutions at the global level.

To contribute to sustainable growth in the developing nations, the JFE Group has already participated in many energy saving and GHG

reduction projects, and is contributing to prevention of global warming at the international level by supplying the world's most advanced energy saving and environmental protection technologies and operation guidance for facilities. The JFE Group is working to transfer and popularize environmental protection technologies across national boundaries through CDM\*<sup>1</sup> and JI\*<sup>2</sup> under the Kyoto Mechanism.\*<sup>3</sup>

**\*1) CDM**  
Clean Development Mechanism. Mechanism supporting sustainable development and achievement of targets of

the Framework Convention on Climate Change by signatory developing nations and achievement of quantitative targets by signatory advanced nations. Under CDM, the developing nation receives a monetary profit from implementation of projects which reduce emissions of GHG, and the advanced nation uses the reduction achieved by the project to achieve its target.

**\*2) JI**  
Joint Implementation. Mechanism for achieving the target quantitative values for emissions of global warming gases as specified under the Kyoto Protocol. In cases where a signatory advanced nation carries out a reduction project in another advanced nation, part of the emission reduction achieved by the project is counted as a reduction in the first nation.

**\*3) Kyoto Mechanism**  
Mechanisms for preventing global warming adopted in the Kyoto Protocol. Main types are joint implementation (JI), emissions trading, and the clean development mechanism (CDM). Also called "flexibility mechanism."

### World Map of International Cooperation Projects by JFE Group

