

**ADVANCED INDUSTRIAL  
TECHNOLOGIES  
FOR ENERGY CONSERVATION  
IN JAPAN**

**May, 2007**

**The Japan Machinery Federation  
Japan Consulting Institute**

## Preface

At the first meeting in January, 2006 of the ministers of AP6 countries (Australia, China, India, Japan, R. of Korea, United States) for “Asia Pacific Partnership on Clean Development and Climate”, the importance to use fossil fuels efficiently and cleanly for sustainable development of economy and to promote deployment of the most promising technologies for that purpose was declared.

At UNFCCC COP/MOP2, it was agreed that review of article 9 of the Kyoto protocol would be made for developing countries to combat climate change more positively.

Apart from the above international movements regarding conservation of energy and protection of global environment, every country shall make the best efforts to solve those problems.

The attached brochure is a collection of the outline of the advanced industrial technologies which have been used or will come into use in the following energy intensive sectors of Japanese industry from the viewpoints of energy efficiency and conservation. The brochure is still in process of collection of more information to cover more recent technologies and refinements of the description and contents, necessitating revisions and renewals hereafter.

1. Power	:	P1 ~ P27*
2. Steel manufacturing	:	S1 ~ S23
3. Cement manufacturing	:	C1 ~ C21
4. Fertilizer manufacturing	:	F1 ~ F11
5. Refinery / petrochemical	:	R1 ~ R13
6. Environment	:	E1 ~ E10
7. Others (energy, control)	:	O1 ~ O3

Note : Serial number is given to the products / technologies included which are grouped into seven sectoral scopes as the above in terms of the industrial sectors.

The information included is based on those supplied by the manufacturers responding to our request which show the name of the person to be contacted, their catalogues and websites. For more information, please contact the manufacturer directly or JCI (Japan Consulting Institute).

JCI will be very pleased to be contacted to the following officer in charge of this subject,

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