

APP Cement Task Force's Project Final Report Form

Project Number: CMT-06-05	Title of Project: Centre of Excellence
Lead Partner Country: China, Australia	
Participating Partner Countries and Organizations: Japan, USA, India Australia, Japan, China Building Materials Academy (CBMA), Australian Cement Industry Federation (CIF)	
Project Location: China and Australia	
Project Manager Information	
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Project Start Date: January 2008	Proposed Project End Date: 8 February 2011
<p>Project Description: The project provides a mechanism to disseminate information about novel and best available technologies and customised cement industry energy analysis tools within APP member nations with a view to enhancing wider adoption and further development. It provides for technical seminars, scholarships and skilled worker exchanges that will have the greatest impact in reducing cement plant greenhouse gas emissions.</p> <p>Project Objectives: To share information on best practices and research emerging technologies to promote improved environmental performance in the cement industry of APP partners.</p> <p>2008</p> <ol style="list-style-type: none"> 1. Training Seminar on Cement Cleaner Production for Developing Countries being implemented from June 4 to June 23, 2008. 2. 2008 International Expert Workshop on Cement & Concrete Technology for Sustainable Development being implemented from 7th October to 12th October, 2008 in 3 cities in China. 3. Elkem Workshop on Application of Silica Fume (China) implemented on 7 November, 2008 in Beijing. 4. CSI Protocol Workshop Beijing (Stage 2) being implemented in Zhuhai, China during 18-21 December, 2008. <p>2009</p> <ol style="list-style-type: none"> 1. 2009 International Expert Workshop on Cement & Concrete Technology for Sustainable Development being implemented from 6th May-12th May, 2009, in Beijing, Xi'an, Mianyang of China. 2. Training Seminar on Cement Cleaner Production for Developing Countries has been implemented during 22nd May- 11th June, 2009 in Beijing. 3. The 3rd Cement Sustainability Initiative (CSI) Protocol Training Workshop being held during 7 and 11 July, 2009 in Beijing, China. 	

2010

1. The 4th Cement Sustainability Initiative (CSI) Protocol Training Workshop being implemented during 21 January and 22 January, 2010 in Beijing, China.
2. Seminar on SoS Software for High Volume Supplementary Cementing Materials (HVSCM) being held on March 4th, 2010 in Beijing.
3. The 7th International Symposium Concrete (ISCC2010) and the 11th International Conference on Advance in Concrete Technology and Sustainable Development has been held during May 9-12, 2010 in Ji'nan, China.
4. The 5th CSI Training Program for about 40 Chinese Engineers from China Resources Group on Energy Efficiency and Clean Development of Chinese Cement held during November 3 and November 4, 2010 in China.
5. The 6th CSI Training Program for about 40 Chinese Engineers from China National Materials Group Corporation Ltd. (SINOMA) on Energy Efficiency and Clean Development of Chinese Cement is to be held during November 16 -17, 2010 in China.
6. China-Australia technical workshop on energy efficiency and emissions reduction held during November 28-30, 2010 in Melbourne, Australia.
7. DevourX technology trialed in Australia through Cement Australia Ltd

Project Status and Outcomes:

1. CSI Protocol Training - There are six CSI Training Workshops for Chinese cement industry with totally 300 Chinese engineers' participation. Through the workshops, 220 engineers got training certificates. 5 Chinese cement companies joined the CSI family in 2009, and 5 Chinese experts are trained as trainers for future CSI training. It is with the Chinese CSI experts that the 5th CSI training has been organized in China in November, 2010.
2. The Serial International Workshops on Cement & Concrete Technology for Sustainable Development
Totally 1100 Chinese researchers and engineers participated in the three Workshops organized by CoE, APP-CTF.
3. The 7th International Symposium on Cement and Concrete (ISCC2010) and the 11th International Conference on Advance in Concrete Technology and Sustainable Development
More than 300 participants with over 200 papers from all over the world attended the Conference focusing on Cement and Concrete-Contributing to Global Sustainability all the time.
4. Training Seminar on Cement Cleaner Production for Developing Countries
About 136 officials from 34 developing countries' key government ministries and departments of cement and environmental protection have benefited from the events.
5. DevourX project trial found technology to have potential as an alternative to grind cement

Future Direction and Recommendation:

The project has achieved fruitful results in enhancing the capacity building, energy saving and emission reductions, especially for Chinese cement industry. CoE will play an important role as an international platform for technical exchange in the future. It is proposed that Australia visit the bio-algae plant in Vancouver before completion of the project.

Other Information and Reference:

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Project Number: CMT- 06-05 sub. 2	Title of Project: Supplementary Cementitious Materials
Lead Partner Country: Canada	
Participating Partner Countries and Organizations: EcoSmart Foundation	
Project Location: China	
Project Manager Information Name: Michel de Spot Organization: EcoSmart Foundation Address: Suite 501, 402 West Pender Street Vancouver, British Columbia <div style="float: right;"> Phone: (604) 689-4021 x 121 Email: michel@ecosmart.ca </div>	
Project Start Date: July 1, 2009	Proposed Project End Date: March 31, 2011
Project Described : To diffuse and deploy existing and emerging technologies to optimize the use of Supplementary Cementitious Materials (SCM) as a means of substantially reducing greenhouse gas emissions relate to cement.	
Project Status and Outcome: Consult Chinese construction industry and determine requirements and scope – Completed Develop and establish partnerships in China – Completed Collaborate to determine the extent of existing information on SCM use, cement properties, climatic data, codes of practice, business models, etc., available in China that would be required to link with the SCM Optimization System (SOS) knowledge base – Ongoing Fill data gaps - Ongoing Diffuse lessons learned in China and Canada – Ongoing Promote the development of a Chinese SOS version - Underway	
Future Direction and Recommendation: This project will be completed by March 31, 2011. Two options are possible for continuation of this work: Option 1. Phase 2 to expand the work in China. Option 2. Initiation of a similar project in India.	

Other Information and Reference: