

Activities 2008

1. Pallet that are not used within a factory used to make tables, chairs and wooden battens shade, seats to break employees.



2. Organizing “Environmental week fair 2008” of Minebea Group of Companies (Thailand)



Activities as follows;

① Contest of Environmental and Energy Motto in the topic of “Minebea against global warming”



② Contest of Communication and publication for Environmental and Energy Knowledge

③ Exhibition of environmental and energy

- Environmental activities of the year 2007 - 2008, global warming knowledge, energy conservation, waste management and Reuse & Recycle, Energy conservation factory, Wastewater treatment plant, Recycle of treated water and rain water treatment system, etc.



④ The booth and environmental board and activities of government agencies, cand private sector

- Department of Environmental Quality Promotion and Green World Foundation : Environmental management, reduction of global warming
- Thai Beverage Carton Group : Recycle milk box

- Elephant foundation of Thailand : Environmental and Natural Conservation (Elephant)
- Bangkok Glass Co., Ltd. : knowledge of Recycle glasses and games



- ⑤ Executive-level employees of Epson Toyocom of 8 people visited Environment Week



3. Planting trees for His Majesty the King present on the occasion of 81th Birthday Anniversary of His Majesty the King on 4 December 2008. Employees and executives have joined together to plant 348 trees at the parking lot buses on the back of the factory and also held the candle blessing victory at 18.00 pm leading by the Environmental and Energy Committee Chairman, Mr. Vutichai, and employees at all levels participated.



4. On July 30, 2008, Bang Pa- In Factory was awarded "The Designated Factory of Energy Conservation" from Thailand Energy Awards 2008 Project held by the Department of Alternative Energy Development and Efficiency, The award ceremony was held at the Chulabhorn Research Institute where Mr. U. Vutichai was handed the trophy from the Ministry of Energy, Lieutenant General Poonpirom Liptapanlop.



5. Participation in the project, "Love Mother, River Conservation" and to take the prize. "Industrial cooperation in the conservation of the Chao Phraya River as well". On August 7, 2008, Minebea Group of Companies (Thailand) (four factories) attended the Project "Love Mother, River Conservation" held by the Department of Industrial Works, Ministry of Industry in order to honor Her Majesty Queen Sirikit and to continue the restoration and conservation of river.

In addition, Minebea Group of Companies (Bang Pa-In and Lopburi factories) has been selected to be the industrial cooperation in the preservation and conservation of the Chao Phraya River from participating in the project and received the award from Mr. Mingkhwan Sangsuwan, Minister of Ministry of Industry.



6. Bang Pa-in plant public relation by SHINETSU, Japanese TV stations

- On 2 October 2008, Mr. Kuwano, General Planning and Policy Div. (Tokyo) and 2 staffs of the television station SHINETSU to record video at Bang Pa-in factory and interview Mr. Vutichai, Chairman of Environmental and Energy Committee Center.
- The goal of video recording: Building a new energy conservation of Turning & Press Factory and wastewater treatment plant, particularly through the implementation of reused of treated wastewater without discharge out of the factory (Zero Discharge) and rain water treatment plant.



Energy Conservation Building of new factory



Rain water treatment plant



Recycle system of Treated water

- Video is broadcast on October 30, 2008 at television stations SHINETSU, NAKANO province on program "SBC Special on the topic factory at the forefront of NAKANO promoting environment".

7. Visits to see the environmental implement of Colombo Plan Staff College for Technician Education (CPSC)

On July 10, 2008, 18 people from 14 countries (such as South Korea, Pakistan, Phu tan, Venesuara and India) is visiting work on environmental and energy management, the implementation of recycle of treated wastewater without draining out of the factory (Zero Discharge), bringing rain water to use (Rain water storage ponds / rain water treatment system). The objective is to visit the operations of industry-friendly environment under Green Technology which is one of the meetings of the CPSC on the topic "Sustainable Development and Social Equity" organized by Rajamangala University of Technology Thanyaburi (klong 6).



8. Bulletin board contest and drawings in the topic "Environmental Conservation," Wat Ban Chung (Aduneprachawit), Nakornluang, Ayutthaya. As the Takahashi Foundation to provide library to schools, the opening ceremony is on February 2, 2005 for students to have an awareness of environmental and energy organized by EMS Center. Therefore, competition bulletin board and drawings in the topic "Environmental Conservation" is organized and on February 1, 2008, Mr. Vutichai Udomkarnjananan and representatives from EMS Center go to judge the contest and awards to students who win the contest.



9. To organize the environmental corner for library of Ladchado school, Ayutthaya

- To encourage economically disadvantaged schools, the Takahashi Foundation held environmental corner for Ladchado school and has a ceremony delivered on December 12, 2008 with the aim to increase awareness and knowledge of environmental conservation to students.
- Environmental corner includes board of environmental conservation knowledge, a bookshelf, environmental books, garden, etc.
- Moreover, there also is an essay contest in the topic. "Reducing global warming" and is awarded for students who win the contest by the Chairman of environmental and energy committee, Mr. Vutichai Udomkarnjanan.



10. Follow up the project "Minebea Ruamjai to provide knowledge and to build schools for children" was held on February 16, 2008. Representatives from EMS Center went to follow the project in Mae Fa Luang school, Ban Ta Pi Jo, Mae Tan, Tha Song Yang, Tak province by provide the sports equipment, blankets, school books and posters about the environment and energy to give to teachers and students, the villagers and young people in that area to understand the environment, natural resources, and energy.



11. Siam Carton Industries Co., Ltd. visit Minebea Group of Companies (Thailand) on May 8, 2008 to see the implementation of environmental management (ISO14001) of the Minebea Group of Companies. (Bang Pa-In Factory), especially the wastewater recycle treatment plant to prevent discharge as Zero Discharge principle.



12. Mangrove reforestation project to reduce global warming. Employees of the Minebea Group of Companies (Thailand) was part of activities to reduce global warming as the World Environment Day (June 5) by supporting the 106,330 baht to buy 10,633 seedlings in the project "Mangrove planting to reduce global warming". This project was organized by Khao Sam Roi Yod National Park with alumni HOAI-CT Class no.1 (the Power of Love Group).

On June 14, 2008, employees of the Minebea Group of Companies (Thailand) participated in this project at Khao Sam Roi Yod National Park, Prachuap Khiri Khan. This is a first time of planting 30,000 trees.



13. The "Reforestation with his prestige". On June 27, 2008 by the 1st Army by army 13, Lopburi Province has invited the Minebea Group of Companies (Thailand) participated "Reforestation with the prestige" to plant 2,000 Ratchaphruek in the area of plantation forests at Ananthamahidol Hospital Junction. Governor of Lopburi province is a chairman of the ceremony and there is the other Government and the public section of Lopburi Province participating in this project.



14. To provide the Center for Education and Development of biodiesel at the Immigration Division in Bangkok. Minebea Group of Companies (Thailand) has cooperated with the Takahashi Foundation in financial support to the Division of Immigration in Bangkok established the "Center of Education and Development of biodiesel" in March 2008 which have the capacity produce about 150 liters of biodiesel per day. For the purpose of establishing, it is not only saves fuel, but also reduce environmental problems from waste oil used in households and to be the education center about biodiesel production to communities such as schools, government and private sectors. It also helps to raise awareness of energy conservation to the police, agencies and people in nearby areas as well.



15. Recycling of treated water from wastewater treatment plant.

Bang Pa-in factory built the recycle wastewater treatment plant for recycling water which can be brought back to the production process, so there is no waste water discharge to the external (ZERO DISCHARGE).



16. Rain water treatment system for use in the production process instead of city water.

Bang Pa-in factory built the rain water treatment system by collecting rain water in storage pond and became water supply in production process after treated such as washing process, grinding process. Replacement of city water can reduce water consumption. In addition, it reduces the use of water resources from natural water resources and reduce the burden of city water supply to be supplied to Minebea. Moreover, it also reduces the city water cost and the major reason is to use water resources for maximum benefit. The estimated investment is 8 million baht.

