

Expanding Environmental Preservation Activities Business Sites and Subsidiaries Respond Appropriately to Their Business Activities

Domestic Affiliate	Certification Date
Sanwatech Co., Ltd.	April 2003
Sanwa Coatech Co., Ltd. (Head Plant)	Preparing for certification
Sanwa Co., Ltd.	February 2002
Sanden Denso Co., Ltd.	October 2003
Sanwa Precision Co., Ltd.	February 2003

Domestic Affiliate	Certification Date
Sanwa Altech Co., Ltd.	November 2000
Sanden System Engineering Co., Ltd.	November 2001
Sanden Facility Co., Ltd.	December 2003
Sanwa Thermotech Co., Ltd.	Preparing for certification
Asahi Sangyo Co., Ltd.	August 2001

As noted in the 2006 CSR report, the functions of Group companies Sanwa Coatech Co., Ltd., and Sanden Logistics Co., Ltd., were transferred to the Akagi Plant accompanying the consolidation and closure of their plants and warehouses, and their environment-related activities are continuing within the Akagi Plant environmental management system.

Environmental Activities at Asahi Sangyo Co., Ltd.

Asahi Sangyo processes parts for the Group and uses large volumes of compressed air. Compressors used to supply air account for approximately 35% of its total electrical energy consumption. In fiscal 2006, Asahi Sangyo began activities to shift to the use of an energy-saving nozzle and was successful in reducing compressor operating time by 20%. When the copper nozzles currently in use are fully replaced with energy-saving nozzles, the volume of air needed to make one unit of product will be cut in half. The volume of air used will decline, and, since stable distribution will become possible, the air pressure can be reduced, and the operating time of compressors can also be reduced. As a result, the level of electric power that Asahi Sangyo contracts for can be reduced.

Environmental Activities at Sanwatech Co., Ltd.

Sanwatech is a Sanden Group company, with about 350 employees, that was established in 1990 and has a production system for compressors used in car air conditioners that is integrated from development through production, including electromagnetic clutches and component parts. Sanwatech has an active program in environment, and in 2002, its air compressor drive control was highly appraised, and the company received the Excellence Award from the Kanto Electric Modernization Committee. In addition, Sanwatech has aimed for all-round environmental preservation activities and received ISO 14001 certification in April 2003; the company is currently working to further upgrade its environmental preservation activities.

In fiscal 2006, in addition to activities to saving energy and reduce waste emissions, the company focused again on dealing with risk situations and conducted a review of its risk management. The company readied an emergency processing kit to prepare for oil leakage emergencies and prepared a wastewater flowchart to speed up contingency measures.

In addition, Sanwatech is taking active ities in developing environmentally responsible products, and its accomplishments include the development of a clutch that is 15% lighter than previous models. The clutch is a key component that links the engine and the compressor in the car air conditioner. Developing a lighter clutch results in a lower load on the engine, and it is therefore positioned as an important technological development for contributing to fuel efficiency. Drawing on the strengths of its production systems, which are integrated from development through production, Sanwatech took a previously untried perspective in development, and, by improving the precision of component parts and linkages, was able to keep the electromagnetic resistance of the clutch to an absolute minimum.

Looking ahead, the company plans to take active ities to reduce the environmental impact of its products over their life cycles, including reduction in electric power use and the development of compact clutches.

Environmental Activities at Overseas Group Companies

In 1995, we established SME in Tinteniac, France, as our European production site for automotive compressors. Designed to operate in harmony with the environment with minimal impact on the surrounding area, this affiliate earned ISO 14001 certification in 1999 and, in fiscal 2005, overseas Group companies completed the transition to the fiscal 2004 version as they continued to conduct a variety of environmental activities.

In fiscal 2006, SME's environmental efforts focused on reducing the volume of industrial wastewater discharged, preventing environmental accidents, reducing waste, cutting energy consumption, developing environment-friendly products, and promoting green procurement. Especially in the area of reducing the volume of industrial wastewater discharged, where SME began its efforts in 2005, SME combined the use of vacuum and biological processing system technologies in the processing of oil used in the parts-cutting operations and then emitted from the plant, and in the processing of fluids emitted from the parts-cleaning operations and fluids from the casting operations. Also, the Company was successful in lowering the level of effluent—a purification process that was formerly all subcontracted outside the company—to the point where it could be disposed of in the natural environment, thereby lowering the volume subcontracted by 85%. At the same time, this resulted in a reduction of about 33,000 kilometers in the truck transport formerly required to deliver the effluent to the subcontractor, thus contributing to the prevention of global warming.

These improvements were highly evaluated, and at POLLUTEC, an international exhibition concerned with industry and the environment held in Lyon, France, SME received a second-tier "Trophées des technologies economies et propres" award (Award for Clean and Economical Technology) from ADEME, France's environment and energy management agency. In addition, SME's accomplishment was covered extensively in the media as a development in processing technology.



Emergency countermeasure



Light weight compressor



SME receives an Award for Clean and Economical Technology.



Place:TINTENIAC FRANCE

Business activity:Sales & Production of automotive equipments in Europe