

Opening up the future with the development of unique and environment-friendly technologies

The housing industry faces a wide and complex array of issues, including environmental conservation, securing homes against natural disasters, and information technology. At the Daiwa House Group, we are pursuing research and development programs on unique themes with the goal of creating a safe and comfortable living environment for citizens of the future.

Japan — a country susceptible to natural disasters

Japan is an archipelago situated on the western side of the Pacific Ocean. Japan has four main islands and approximately 7,000 small islands. As for its climate, Japan enjoys distinct changes of the seasons. Unlike most other countries in the world, it features three climate zones — cool, warm and subtropical. Typhoons occur frequently in the southeastern sea of Japan. In 2004, 29 formed, with ten — the highest number since recording began — actually making landfall, causing major damage. In addition, Japan is one of the most earthquake-prone countries in the world, with many active faults lying beneath its surface. All of which makes it imperative to prepare an array of measures against natural disasters in Japan. For fifty years since our foundation, our R&D has been consistently focused on improving our technology so that people can live in harmony with nature. We have developed a broad array of excellent construction techniques and methods as well as providing products with outstanding basic performance. In 2004, we invested ¥5,712 million in research and development. The department employs 254 staff members in total.

Applied research for a better lifestyle

Many issues surround housing in Japan. They include an aging society, people returning to city centers and cohabitation with the environment. Daiwa House Group, in cooperation with other industries government and academia, continues to research movement lines and space designs geared towards the elderly and convenience in nursing in terms of both structures and services, under the auspices of the Central Research Laboratory and Silver Age Research Center. Addressing growing needs for residences in central urban areas, we develop structures and performances as solutions to conditions such as limited land and lighting, noise and vibration.

Giving due consideration to renewable resource-based construction and recycling of construction by-products, we will promote IT and communication networks, next-generation housing facilities using energy cells and cogeneration systems, as well as our Energy Service Company (ESCO) Business.

