

Kajima's Disaster Preparedness Technologies

Companies are increasingly being encouraged to establish business continuity plans (BCPs), in addition to reinforcing earthquake resistance and rebuilding infrastructure to prepare for a massive earthquake. Kajima strives to develop technologies that will help to reduce the impact of disasters under its motto, "Safe now and in an emergency."

Kajima's BCP and the Construction Industry's Mission

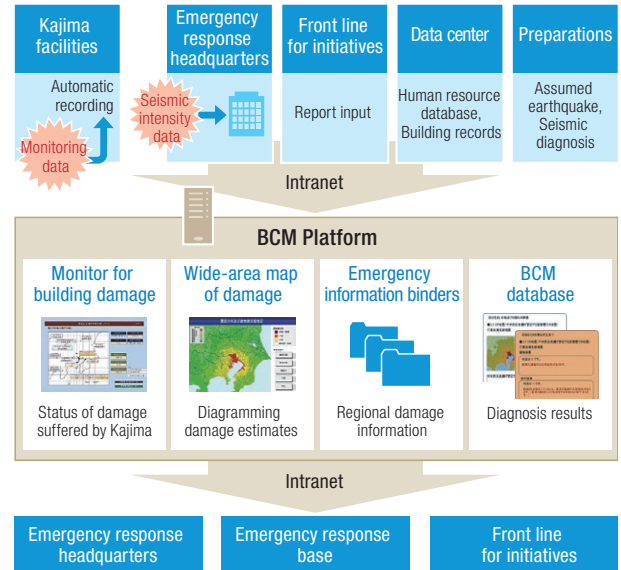
Designed to help businesses continue and recover quickly in the event of an earthquake or other emergencies, BCPs are becoming requirements for companies as business globalizes and supply/demand relationships become more complex. In 2006, Kajima established its own BCP assuming a major earthquake with an epicenter in the Tokyo metropolitan region. The company began putting its BCP into effect in 2007, based on its conviction that the continuity of its business is inseparable from the construction industry's mission of supporting the recovery of social infrastructure, communities and clients in the aftermath of a disaster.

Optimizing resources for disaster preparedness and response— BCM Platform

Human, material and financial resources must be optimized to fit constantly changing conditions after an earthquake to follow a BCP. Kajima has built the Business Continuity Management (BCM) Platform, a comprehensive information infrastructure. This support tool covers the entire time sequence from advance preparation to the disaster's aftermath, including damage forecasts in various earthquake scenarios, a database of information on buildings, plants or other infrastructure constructed by Kajima, employee safety and the need for recovery efforts, and the compilation and sharing of information on the damage suffered from head office, branches and project sites.

The Real-time Disaster Mitigation System (RDMS) is the most advanced system out of all the disaster prevention technology used in the BCM Platform in terms of

Overview of Kajima BCM Platform



both software and hardware. RDMS enables Kajima to take action immediately prior to, during and immediately after an earthquake, and consists of two integrated systems. The first is Kajima's earthquake early warning system, which adds independent analysis to the Japan Meteorological Agency's Earthquake Early Warning bulletins, and transmits even more accurate information. The second is Kajima's Real-time Monitoring system, which estimates the degree of damage suffered by facilities using data on building tremors measured during an earthquake and then translates this data into information to guide inspection of facilities.

Kajima continuously reviews and revises its BCP system to ensure that the technology used in its BCM Platform can also be of use for clients' BCPs. Real-time Monitoring has been adopted in the multi-use office building Akihabara UDX in Tokyo's Chiyoda Ward. The system has already proven effective during the Chuetsu-oki Earthquake in Niigata in July 2007.

Kajima will continue to enhance its own BCP, and help to create safer and more secure living environments through the buildings and technologies it offers society, all based on the disaster prevention engineering prowess it has developed over many years.