

---

## From the Editor

---

Social infrastructure systems deliver services in many areas that underpin our social activity. These operate ceaselessly, 24 hours a day, 365 days a year, extending from electric power, water, gas, and other services that we use directly in our daily lives through to services such as the public transportation and facilities that sustain the activity of people and businesses. Meanwhile, numerous threats that put the provision of these services at risk have been emerging in recent years. Along with accidents or faults, a diverse range of threats including natural disasters and freak weather conditions as well as armed attacks and cyberterrorism are on the rise. Social infrastructure security is about providing the means to protect our way of life from these threats.

The provision of social infrastructure security requires envisaging all possibilities and devising countermeasures to cover these, without leaving any gaps. To achieve this in practice, Hitachi seeks to implement security measures for dealing with all threats by considering them in terms of: (1) Adaptability for providing all-encompassing preventive measures, (2) Responsiveness for responding quickly and appropriately when an incident does occur, and (3) Cooperativeness for maintaining security through collaboration between different organizations.

This edition of *Hitachi Review* describes Hitachi's views on how best to provide social infrastructure security, and presents technologies, products, and solutions that implement these ideas. While security impinges on many areas, the articles in this issue break the field down into: (1) Physical security for ensuring the security of various different types of facilities or equipment, defending against armed or other forms of violent attack, and preparations for dealing with natural disasters; (2) Information security for keeping information safe from viruses and other malware attacks; and (3) Control security for defending against attacks on the control systems and embedded systems that underpin social infrastructure. Regardless of the sector involved, Hitachi recognizes the importance of devising preventive measures that take account of various different angles, adopting the concept of damage limitation (accurate information sharing and timely command and control to minimize the damage when an incident does occur), and the use of exercises to improve the ability to deal with unanticipated events.

Along with providing a better understanding of how Hitachi views social infrastructure security, I hope that this issue will prove beneficial to your business and to making the world a safer place.

Editorial Coordinator,  
Social Infrastructure Security Issue



**Toshiaki Arai**

CTO  
Defense Systems Company  
Hitachi, Ltd.

---