

Success Story

Allied Telesis™

# Secure Surveillance, Safe Citizens: Mori Building Provide Robust Surveillance and Disaster Prevention

Allied Telesis supports Roppongi Hills Building Surveillance System with IP Surveillance Solution

the **solution** : the **network**



# Introduction

Roppongi Hills is the largest integrated urban property development in Japan. Frequented by a hundred thousand visitors and workers per day, more than 40 million people annually visit the Mori Tower Building, the core facility of Roppongi Hills.

Roppongi Hills is divided into three areas: A, B and C. Area A is directly linked with the Hibiya Line Roppongi Station. It also includes the Metro Hat and Hollywood Beauty Plaza. Area B includes the Roppongi Hills Mori Tower, Grand Hyatt Tokyo, and TV Asahi headquarters building. Area C includes Roppongi Hills Residences and Keyakizaka Slope Terrace.

Mori Building Company (Co.), a Japanese property management firm, managing more than a million square meters of office space in more than a hundred office facilities in Japan and China, is the lead developer of Roppongi Hills.



Mori Building Co. has established three missions to guide the physical redevelopment and lifestyle options of Roppongi Hills.

The Mori Building Co. missions are:

- **Safety and Security**  
The creation of communities that people will seek refuge in, not run away from, in times of disaster.
- **Environment and Greenery**  
We believe that cities and nature can coexist.
- **Culture and Art**  
We build cities that will give birth to new creativity and possibilities.

State-of-the-art technologies are used to achieve these missions.

## CUSTOMER PROFILE

### Mori Building Co., Ltd.

Headquarters: Roppongi Hills Mori Tower, 6-10-1 Roppongi, Minato-ku, Tokyo

Established: June 2, 1959

Paid-in capital: 67 billion yen

Number of Employees: 1,361 (April 2010)

Scope of Business: Every aspect of the urban landscape



- Urban redevelopment
- Real estate development and management: sales and management of office buildings, residences, retail facilities, hotels, golf courses and resorts
- Culture, art and town management: planning and operation of town management programs, art museums, galleries, observatories, educational and conference facilities and private clubs

# The surveillance system

Roppongi Hills relies on high-performance systems, not only for facility control (air conditioning, elevators, water supply, etc.), but also for the management of power supply, information and communication, and disaster prevention, among others.

One of the essential “safety and security” systems is the Industrial TeleVision (ITV) surveillance camera solution. The Mori Tower alone has about 600 ITV cameras installed. A dedicated Gigabit network is used to transport images from those cameras to the disaster control center for monitoring. Systems like this provide comprehensive surveillance of the entire Roppongi Hills area.

The dedicated video-surveillance network carries high-definition video continuously, 24 hours a day, 365 days a year. This requires a network that features high-availability, high-bandwidth, ease of use, maintenance simplicity and excellent cost performance.

Roppongi Hills, in the Roppongi District in Minato, Tokyo, is one of Japan's new urban centers, and its largest integrated urban property development. The founder of the Mori Building Co., Minoru Mori, envisioned an integrated development where people live, work, play, and shop locally. He argued that this would leave residents more time for leisure, improve quality of life, and enhance Japan's national competitiveness. Embodying this vision, Roppongi Hills opened in 2003, seventeen years after it was conceived. Centered on the 54-story Mori Tower, the development houses offices, apartments, shops, cafés, restaurants, a hotel, museum, and movie theaters, interspersed with parks and an outdoor amphitheater.



# The network

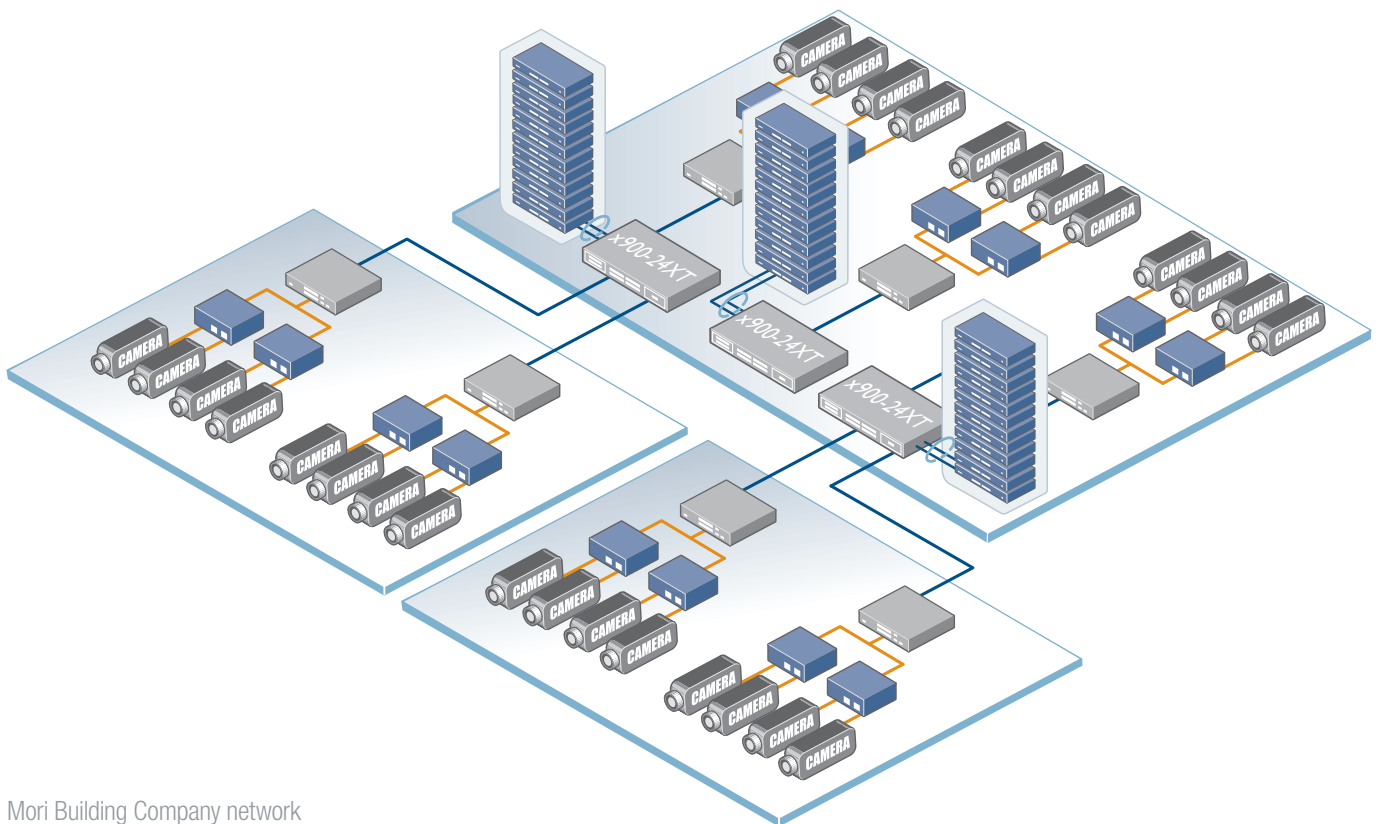
Based on their previous experience using Allied Telesis network devices, Mori Building Co. chose Allied Telesis x900 Series advanced Layer 3 core switches. Using these switches enables them to increase network bandwidth and future-proof the network for the installation of higher-data ITV cameras later on. Three AT-x900-24XT core switches were connected to the edge switches that were being used for the cameras. The connections to the x900 switches use link aggregation, connecting to provide redundancy and higher bandwidth.

“We selected the Allied Telesis x900 Series because it is reliable and simple to maintain. The way it is installed ensures the successful operation of the safety and security system after switch replacement.”

Mr. Kubota

Senior Vice-Counselor,  
Administration and Operation Dept.,  
Mori Building Co. Ltd.

Roppongi Hills keeps delivering a “future city” to the world and Allied Telesis supports the safety and security of Roppongi Hills by providing the x900 Series for its surveillance system network infrastructure.



Mori Building Company network

Products shown in the diagram are only representative and may differ from those actually used.

# Featured product

## x900 Series

### ADVANCED LAYER 3 SWITCHES

The Allied Telesis x900 Layer 3+ switches feature high-speed 60Gbps expansion bays, which provide a high level of port flexibility and application versatility unmatched by any other IRU Gigabit Ethernet switch on the market. The expansion modules can be used in a variety of configurations to provide tailored solutions that meet wide-ranging physical networking requirements.

Multiple units can form a Virtual Chassis Stack (VCStack™) with the XEM-STK expansion module.

- A range of non-blocking copper and fiber XEM expansion modules from 10/100/1000 (RJ-45 ports) to 10GbE (XFP/SFP+ ports)
- Virtual Chassis Stacking (VCStack )
- EPSRing™ (Ethernet Protection Switched Ring)
- Industry-leading Quality of Service (QoS)
- Network Access Control (NAC)
- sFlow
- Energy Efficient Ethernet
- OSPFv3
- DHCPv6
- PIM-SMv6



## VCStack

### VIRTUAL CHASSIS STACKING

VCStack makes networking simple. It allows connection of multiple switches via high-speed stacking links. This aggregates the switches, which then appear as a single switch, or "virtual chassis." The virtual chassis can be configured and managed via a single serial console or IP address, providing greater ease of management in comparison to an arrangement of individually managed switches, and often eliminating the need to configure protocols like VRRP and Spanning Tree.



### **About Allied Telesis, Inc.**

Founded in Japan in 1987 and with offices worldwide, Allied Telesis is a leading provider of networking infrastructure and flexible, interoperable network solutions.

The company provides reliable video, voice and data network solutions to clients in multiple markets including government, healthcare, defense, education, retail, hospitality and network service providers.

Allied Telesis is committed to innovating the way in which services and applications are delivered and managed, resulting in increased value and lower operating costs.

Visit us online at [alliedtelesis.com](http://alliedtelesis.com)



the **solution** : the **network**

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C618-18023-00 REV B