



# Singapore MRT Moves Ahead on CCTV System Expansion

## DVRs Key Component of Upgrade

A March Networks digital video recording system consisting of 240 DVRs and approximately 2,000 cameras is undergoing an expansion to provide additional coverage and improved security for Singapore's Mass Rapid Transit (SMRT) system.

**WHEN** the newly expanded system is in full operation in 2011, it will consist of 530 DVRs and approximately 6,000 cameras.

The Singapore mass rapid transit system serves more than one million passengers daily in the city's high-density travel corridors. The 89.4-kilometer (55.5 mile) transit network interchanges with light rail and bus routes and consists of 49 street-level, above-ground and underground stations. The largest station, Raffles Place, spans 29,600 square meters (35,282 square yards) and serves more than 100,000 passengers daily.

The March Networks system records video at all 49 stations on the North-South

East-West line, using analog cameras linked to DVRs, matrix switchers and encoders at each station before joining the SMRT's fiber network. SMRT security staff at the Operations Control Centre are able to view and retrieve video, monitor the performance of cameras and hard drives, and remotely configure the system. The networked systems provide SMRT with highly reliable recording, enabling the organization to reinforce operations management and investigate incidents more efficiently.

Maintaining high service standards for such a large commuter system is a challenge that transportation provider SMRT Corporation Ltd. takes seriously. The first phase of the video surveillance project in 2004 saw the deployment of 120 March Networks DVRs and a subsequent expansion of the system through 2006 doubled the number of DVRs.

Each of the 4000 Series DVRs provides high-speed, high-resolution video, stores video for short-term retention internally, and streams video for long-term retention to external storage servers.

## SMRT Corporation Ltd.

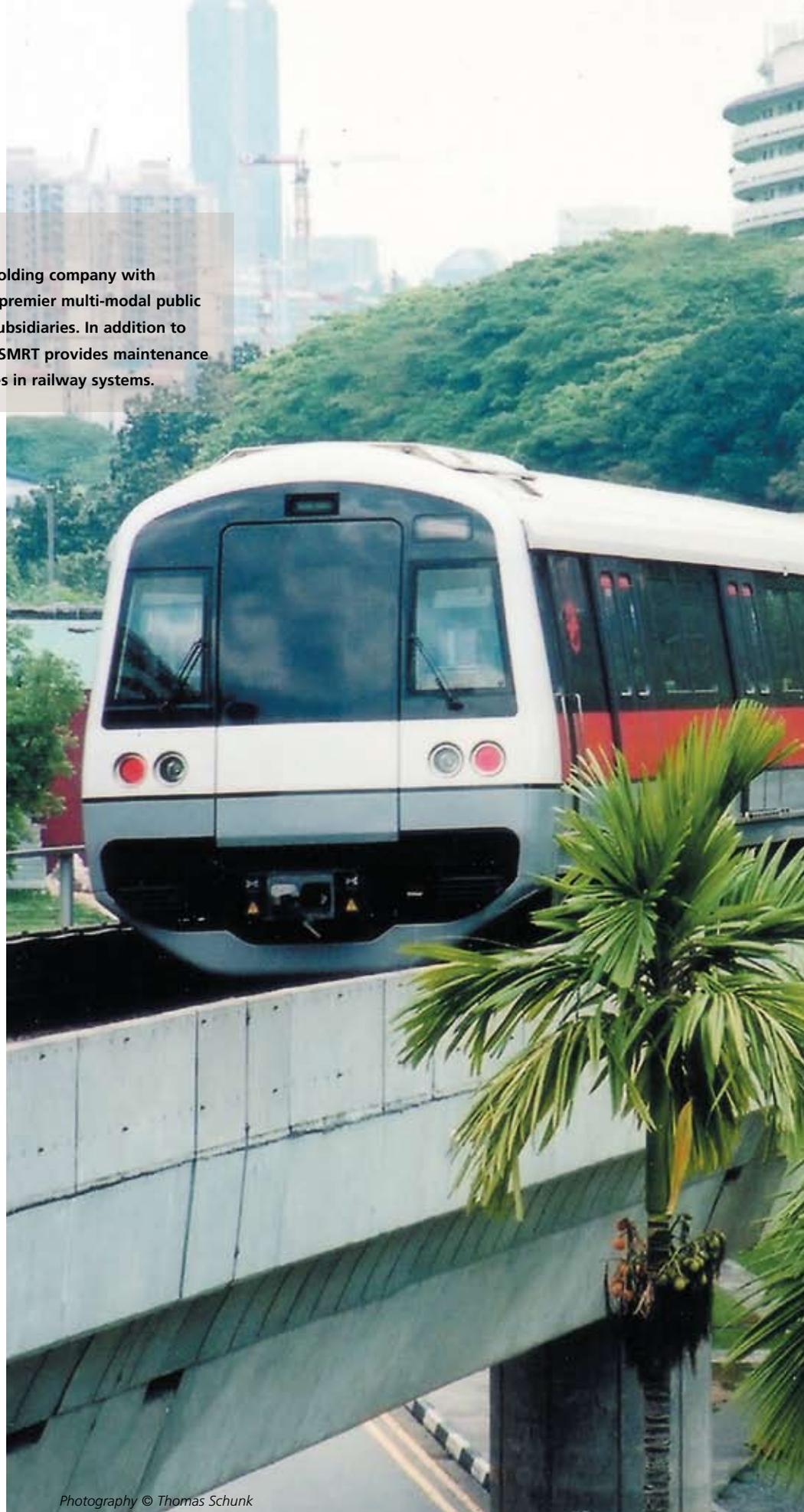
SMRT Corporation ([www.smrt.com.sg](http://www.smrt.com.sg)) is a holding company with transportation as its core business. It offers premier multi-modal public transport services in Singapore through its subsidiaries. In addition to the provision of train, bus and taxi services, SMRT provides maintenance consultancy and project management services in railway systems.

When the newly expanded video system is in full operation in 2011, it will consist of 530 DVRs and approximately 6,000 cameras.

O'Connor's Singapore Pte., Ltd., the systems integrator selected for all phases of the project, will supply and install the additional 290 March Networks DVRs as well as extra CCTV cameras to augment video recording coverage at the stations.

"O'Connor's was selected for the previous and current phases of the project because of its expertise in video technology and networking, as well as its track record for providing exceptional technical support," said Steven Yeow, General Manager of the system integrator's security and surveillance division. The reliability and video recording performance of March Networks' technology was also a deciding factor.

"We are pleased to be providing SMRT with a cost-effective, reliable solution that expands its recording capability," said Anna Ng, Executive Director, O'Connor's Singapore Pte, Ltd. "The March Networks DVR systems are ideal for this transportation application." ✨



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