



Increasing Security in the Moscow Metro: Russian's Famed 12-Line System

Each day 11 million passengers travel on the Moscow Metro. Andrew has helped to make their daily ride safer and smoother.

Andrew Corporation has just completed the first phase of a major communications network covering seven lines of the landmark 12-line system. The Moscow Metro Unified Radio Network project is part of a federal program of antiterrorist actions for safeguarding passengers against acts of terrorism and other states of emergency.

The Moscow Metro Unified Radio Network is based on the TETRA standard for mobile radio communication. It enables effective communications and security by supporting metro personnel between dispatch and rail cars.

Led by general contractor Yust Telecom, the complex project is one of the largest metro projects ever undertaken by Andrew. It includes a combination of passive equipment, such as radiating and coaxial cables, and active equipment such as repeaters. Andrew manufactured and delivered more than 440 kilometers of cable and about 270 repeaters in a mere three months for the project.

Andrew's unmatched technical capabilities, superior installation and commissioning services, and the ability to manufacture and quickly deliver both active and passive network equipment to the customer, ensured that the government's deadline for activating the system would be met. The local knowledge of the Andrew team was instru-



mental in providing an effective solution tailored specifically to the metro's unique requirements. It is typical of how Andrew has become the leader in providing world-class coverage and capacity solutions in facilities such as these around the globe.

The Beautiful Confines of Metro Moscow

Famous for its architecture, the Moscow Metro attracts tourists and visitors from all over the world. Decorated from floor to ceiling in marble, the Metro has rightly been dubbed the "Underground Palace".

"We chose Andrew based on a considerable amount of positive customer feedback regarding Andrew's participation in similar projects all over the world, in addition to its expansive product portfolio and long-term experience as a supplier to mobile and professional communications carriers"

How the System Works

Andrew offers a complete line of robust and field-proven distributed communications system solutions for difficult coverage areas including, tunnels, metros, and buildings. In addition, Andrew has more than 15 years of experience in designing, installing, and managing large and complex radio frequency distribution systems for metropolitan railways, building owners, public mobile radio, and telephone operators throughout the world. Other major successful projects include, the Hong Kong metro, Dallas-Ft. Worth International Airport, Sydney Olympics, Montreal metro, Turin metro, and Germany's Inter-City Express high speed rail.

in various regions, including Russia."

-A.G. Drobyshevsky, general director of Yust Telecom, the general contractor of Moscow Metro Unified Radio Network project.

How Andrew Met the Requirements

- Highest system reliability
- Best system integration
- Modular and scalable approach to support future needs
- Installation inside the existing infrastructure
- Support for the definition of system architecture, deployment, and commissioning
- Extremely fast delivery time
- Most knowledgeable and reliable supplier

