Keeping the Olympic Games Safe and Secure

Allied Telesis supports video surveillance at the Olympics, with EPSRing™.

Customer: Rio de Janeiro

Industry: Sports/Entertainment
Location: Rio de Janeiro, Brazil
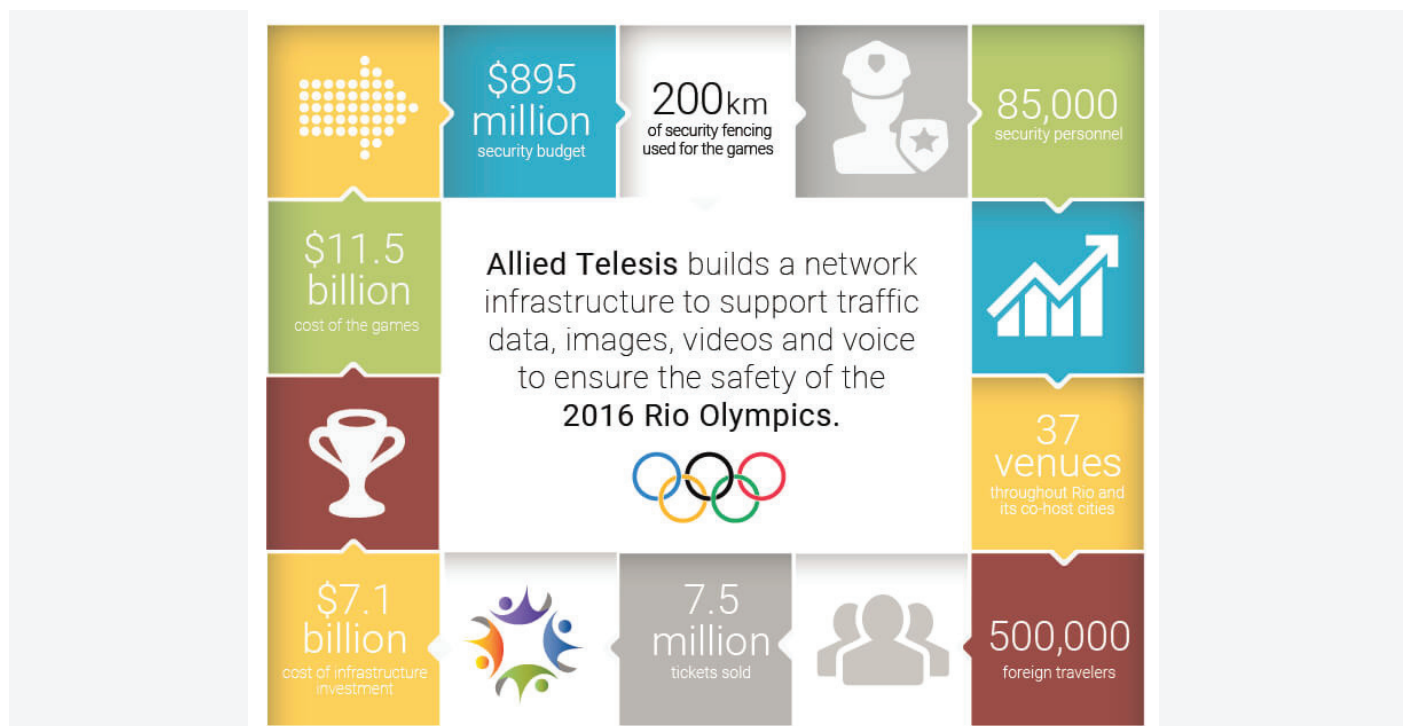
Challenge

When Rio de Janeiro was named as host of the 2016 Olympics, problems with crime in the city received more public attention. The city's mayor acknowledged these issues, but guaranteed the safety of the event. The International Olympic Council (IOC) stood behind Rio's capability, and a carefully planned security project began.

The network solution also had to meet the IOC's strict requirements. The design had to take several parameters into consideration—it had to manage numerous devices effortlessly, provide total redundancy for non-stop performance, and be cost-effective.

Solution

The network infrastructure had to support data, images, videos and voice. Allied Telesis Ethernet Protection Switched Ring (EPSRing™) met all these requirements. The distributed network core solution required high performance and high availability, without unnecessary layers of complexity. The recovery time when links or nodes go down had to be extremely fast, and with EPSRing it is as low as 50ms, making this solution ideal for the Rio network's converged voice, video and data services.

Core switches managed the ring topology at each venue, while edge switches were responsible for connecting and powering security cameras and other devices with Power over Ethernet Plus (PoE+)..

$895 million
security budget

200km
of security fencing
used for the games

85,000
security personnel

$11.5 billion
cost of the games

Allied Telesis builds a network infrastructure to support traffic data, images, videos and voice to ensure the safety of the 2016 Rio Olympics.

37 venues
throughout Rio and
its co-host cities

$7.1 billion
cost of infrastructure
investment

7.5 million
tickets sold

500,000
foreign travelers

Success

The Rio 2016 Olympic Games provided the best possible environment for peak performances. Athletes enjoyed world-class facilities, including a superb village, in a compact layout for maximum convenience. Allied Telesis was proud to support the Games, providing secure and non-stop networking for this major world event.

About Allied Telesis

For nearly 30 years, Allied Telesis has been delivering reliable, intelligent connectivity for everything from enterprise organizations to complex, critical infrastructure projects around the globe.

In a world moving toward Smart Cities and the Internet of Things, networks must evolve rapidly to meet new challenges. Allied Telesis smart technologies, such as Allied Telesis Autonomous Management Framework™ (AMF) and Enterprise SDN, ensure that network evolution can keep pace, and deliver efficient and secure solutions for people, organizations, and "things"—both now and into the future.

Allied Telesis is recognized for 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

Allied Telesis   **NETWORK SMARTER**

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