



New Government Administrative Center in Brazil Features S&C's Remote Supervisory Vista Switchgear

S&C Featured Solution: Remote Supervisory Vista® Underground Distribution Switchgear

Location: Minas Gerais, Brazil

Customer Challenge

The Brazilian state of Minas Gerais, located in the southeastern part of the country, is currently constructing a new 800,000-square-meter government facility. The US \$400 million facility will include their seat of government—the Palácio do Governo, along with two state ministry buildings, and an auditorium seating 540.

Highly-reliable electrical service is crucial to operations of the eye-catching facility.

S&C Solution

CEMIG, the electric utility of the State of Minas Gerais, designed a new underground distribution system for the administrative center. The facility will be served by four feeders from the new Serra Verde Substation.

The distribution system will use 27 units of 13.8-kV, 12.5-kA S&C Remote Supervisory Vista Underground Distribution Switchgear to provide the necessary switching and protection functions. Each Vista switchgear unit will be connected by fiber-optic cable to the CEMIG SCADA system, permitting remote monitoring and control of the gear. Automatic source-transfer control will also be employed in each unit to ensure the continuity of service.

And S&C's IntelliTeam® II Automatic Restoration System will be applied on part of the distribution system to improve service reliability. If a fault or outage occurs, the IntelliTeam II system—using peer-to-peer communication and distributed intelligence—will quickly restore service to as much of the load as possible.

The new administrative center includes the Palácio do Governo, ministry buildings, and auditorium.





Results

In October 2009, S&C was awarded an order for the Vista switchgear: 20 Model 422 and seven Model 321 units, with deliveries commencing in November 2009. S&C immediately began producing the gear at its Chicago headquarters to meet the customer's challenging delivery schedule. The first shipments were air freighted to Brazil.

The first deliveries occurred in November 2009 per the customer's request, thanks to the coordinated efforts of S&C. The entire distribution system is scheduled to be operational in August 2010.

*Installation of a Remote Supervisory Vista
Underground Distribution Switchgear unit.*

