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

Background
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 $400M US 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.

What Did They Do?
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, IntelliTEAM II—using peer-to-peer communication and distributed intelligence—will quickly restore service to as much of the load as possible.

Results
In October 2009, S&C Electric do Brasil Ltda. was awarded an order for the Vista Switchgear: twenty Model 422 and seven Model 321, 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 Electric do Brasil Ltda. and S&C Electric Headquarters. The entire distribution system is scheduled to be operational in August 2010.