

## Grupo Energía de Bogotá revamps substations with high-end technologies

- Encapsulated substations allow for a better use of space while reducing landscaping impacts.
  - Five out of 17 operating substations were developed with this system.

**Bogotá, D.C., March 15, 2017.** Grupo Energía de Bogotá (GEB) with a view to strengthening its operations and modernizing its infrastructure, undertakes the construction process of encapsulated substations with which the company aims to optimize space and minimize the landscaping impact by reducing dimensions in terms of area and volume.

Substations are facilities that allow setting voltage levels adequate for transmission and distribution of electric energy in rural areas, municipalities and cities. Substations can be either conventional or encapsulated. Conventional substations are those in which we commonly spot towers and cables arranged within the same batch and where air is used as insulation method, while encapsulated substations are those characterized by having a different gas-based insulation method and because the used area is remarkably lower when compared to conventional ones.

Nowadays, Grupo Energía de Bogotá, has seventeen substations throughout the country, out of which, twelve are conventional and five already feature this encapsulating technology: Guavio 230 kV, Circo 230 kV, Paraíso 230 kV, Alférez 230 kV and Armenia 230kV, which will be operational soon.

### About Grupo Energía Bogotá

Grupo Energía de Bogotá (GEB), led by Empresa Energía de Bogotá, is a joint stock company listed in the Colombian Stock Market, whose main purpose is the generation, transmission, distribution and marketing of energy, gas and liquid fuels in all of their forms.

Today, Grupo Energía de Bogotá is the region's main Multi-Latin company of electric energy and natural gas with presence in Colombia, Peru, Guatemala and Brazil. Acting as a “strategic connector”, focused on three Business Groups:

- Urban Energy Solutions, seeking to develop and operate the infrastructure needed to meet the demand of electric energy and natural gas of big cities;
- Interconnection for Market Development, business unit in charge of connecting energy generation sources with consumer's megacenters and big users; and
- Low-Emission Generation, seeking new opportunities in renewable energies in countries undergoing a transition from the energy matrix to this sustainable generation low-emission source.

### Contact

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