Station Service Voltage Transformers for low and medium voltage outputs (SSVT, SSMV, TIP and T-PASS)

Applications listing

**Auxiliary power for substation requirements**

72-550 kV substations require two sources of power for auxiliary load needs.

*Why ABB?*

- Low installation costs in safety of secured substation
- High availability of power with a diverse power source
- Removes concern of through faults from use of tertiary winding on the main power transformer
- Prevents voltage collapse on bus in the unlikely event of fault
- Protects transformer from short-circuit in low side power circuit
- Long reliable life with minimal maintenance

**Rural electrification**

Rural populations require power for sustainable development in locations where no electrical distribution systems exist.

*Why ABB?*

- Supports experiencing the power of first available electricity
- Quick supply and implementation to get projects on line
- Small footprint reduces site preparation and environmental concerns
- Less field troubles and less operating costs with longer life
- Job creation with new power source supporting light industry
- Access via existing trails, paths or roads in remote locations

**Remote loads**

Power for mining, oil/gas, marine terminals or other remote sites not served by distribution system.

*Why ABB?*

- Reduced cost and space for on site use close to need
- Reliable power from constantly available source
- Quicker return on investment to support operation
Renewable sites
Sites in remote regions where natural resources are available to create power (wind/solar/geothermal/biomass). Transmission line present for moving renewable power to the grid. Construction power needs with distribution infrastructure not present.

Why ABB?
- Prime source of power as normal distribution lines are not available
- Assured 24/7 power to increase up-time for site
- Less out of pocket operating expenses
- Cost effective abundant construction power within control of the renewable site from the high voltage transmission line

Hibernating coal-fired generation facilities
To reduce carbon footprint, power companies want to retire or suspend use of coal burning facilities. To keep critical systems at the ready, AC power is required, but energization of the GSU and auxiliary transformer is uneconomical.

Why ABB?
- Reduced cost power option available for power supply back to facility from switchyard
- Energy efficient and low environmental impact
- Safe source to keep vital assets at the ready for peaking use

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