

ISOLATED PHASE BUS DUCT DATASHEET



EQUIPMENT FEATURES

Current up to 50,000 A

Voltage up to 38.5 kV

Operating temperatures -40°C to 65°C

Momentary Short-circuit level up to 1,000,000 A peak

Insulation level up to 170kV

Conductor max. temp. 105°C, enclosure max. temp. 80°C

// For more than 40 years, companies around the world have counted on STACE creativity and knowledge to provide their power plants with the most reliable isolated phase bus duct. //



PROUDLY MANUFACTURED IN CANADA



PREMIUM QUALITY & CONCEPTION

- More than 40 years of experience in designing and manufacturing IPBD;
- Customized to meet exact customer's needs.



DESIGNED FOR EASY INSTALLATION

- Provides reliable operation with a minimum of maintenance;
- Shipped in single-phase sections for easy handling.



WORLDWIDE EXPERIENCE

- Used in multiple type of plants around the world, such as nuclear, hydro, combined cycle and renewable plants.



System and Product Standards

- ISO 9001: 2015 – ISO Quality Management System
- Designed and tested per industry standards
IEEE C37.23, CSA C22.2 No. 201, IEC 62271-200

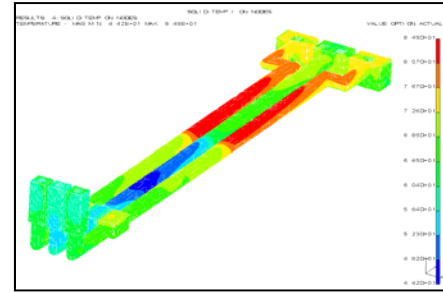
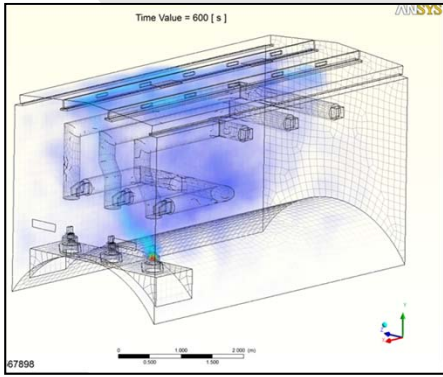


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ENGINEERING SERVICES

- Field supervision and inspection for new or existing self-cooled or forced-cooled bus duct.
- CDF Analysis of Hydrogen flow and evacuation to ensure the safest designs
- Dynamic and static seismic analysis
- CFD analysis for existing IPB to make an informed decision for upgrading projects
- Force-cooled system upgrade
- Project management and technical support.



ADDITIONAL EQUIPMENT

Telescopic and blade switches

Potential transformer and surge protection cubicles

Forced-air cooling system

Temperature monitoring systems

Neutral tie and neutral grounding enclosures

Generator terminal enclosures and switchgears

YOUR PROJECT

We invite you to fill the form below with your specific project requirements to get a custom quote

Rated Nominal Voltage _____ kV

Rated Maximum Voltage _____ kV

Dielectric Withstand (Hipot) _____ kV

Basic Impulse Level (BIL) _____ kV

Rated Continuous Current Main _____ kA Tap _____ kA

Short-Time Withstand Current _____ kA for __ sec

Momentary Withstand Current _____ kA peak

Frequency _____ Hz

Installation Indoor Outdoor

Ambient Temperature _____ °C or _____ °F

Applicable Standards IEEE C37.23 IEC 62271-200
 C22.2 No.201 Other: _____

Bus type Isolated Phase Min-I-Phase
 Segregated Non-Segregated

Project Name and Location _____

Seismic Standards IBC ASCE-7 IEEE 693
 NBC EN Eurocodes
 Other: _____

Special requirements: _____



About STACE

STACE is a Canadian company located in Saint-Augustin, QC, and began its operations in 1977 as a member of the conglomerate General Electric until the creation of an autonomous entity in 2015. Its initial core business was the production of Isolated Phase Bus ducts (IPB) for the booming hydroelectric industry. The company developed quickly into much more: a true expertise center on balance of plant, by designing and manufacturing electrical equipment for the largest global electricity companies.

The depth of our portfolio allows us to unleash the optimal technology mix for every specific situation. Depending on one site's needs and specification, our offer redefines itself to get you the most out of available resources.