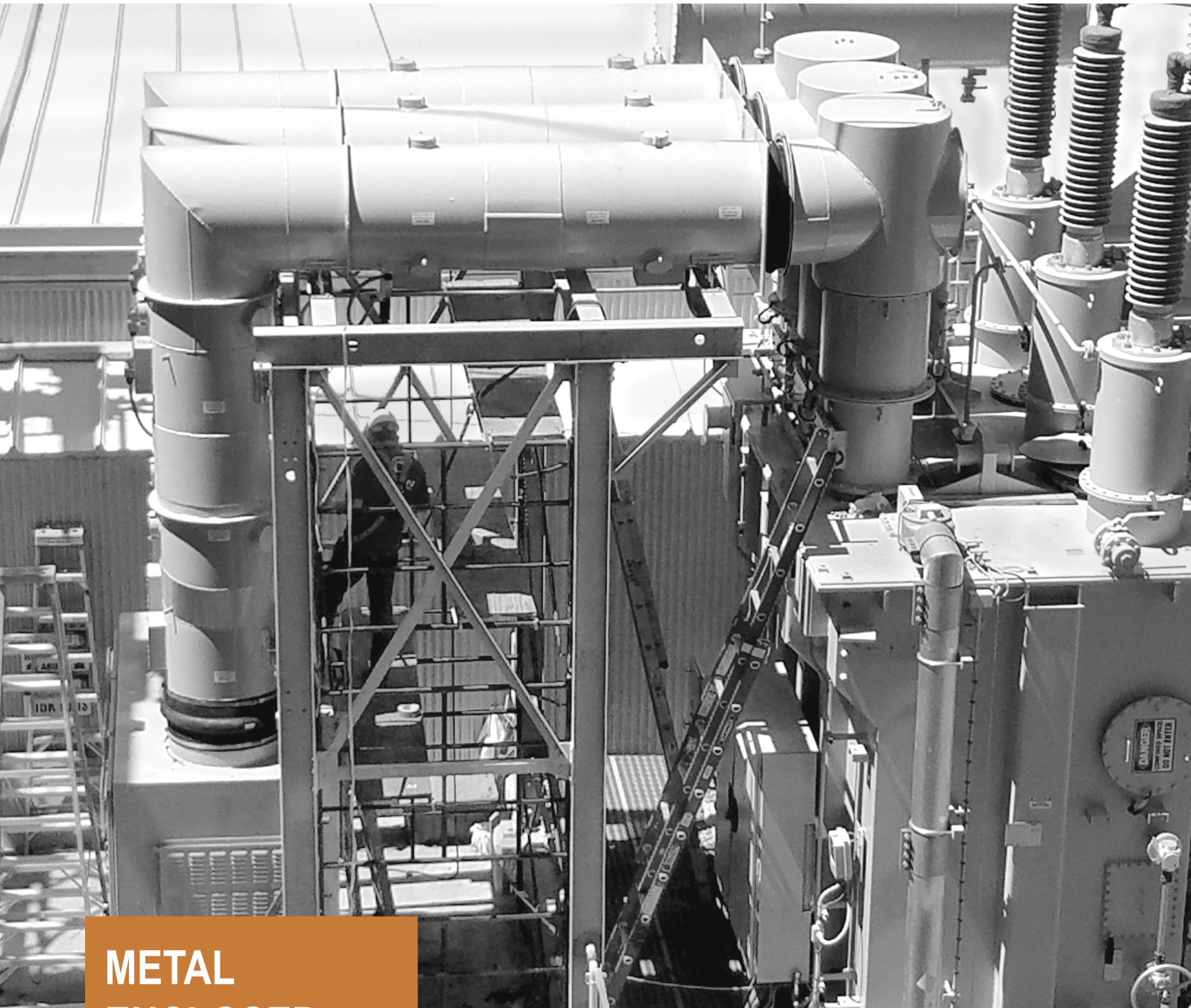


TECHNIBUS



**METAL
ENCLOSED
BUS
SOLUTIONS**

ABOUT TECHNIBUS

Technibus, Inc is a global leader in the supply of metal enclosed bus systems operating for more than 50 years. Our products include Isolated Phase, Non-Segregated, Segregated Phase Systems and Advanced Systems. Operating in a 150,000 square foot manufacturing facility in Canton, Ohio, the Technibus name was trademarked 22 years ago leveraging our focus on innovative bus products. We serve the power generation, distribution, petrochemical, transit, municipal, medical, military, data centers, industrial markets, and many others. Our commitment to ISO 9001 certification as a key quality process ensures that we build products which meet the most stringent customer and industry standards worldwide.

ENGINEERING EXCELLENCE

- 29+ years of experience
- Best in Class cycle times in the industry
- Hands-on quotation & bidding process
- In-depth knowledge of industry standards
- Site visits to obtain specs required for installation including:
 - Walking job site early in bid cycle
 - Working with EPC groups for design enhancements & alternative design routing options

EMERGENCY SERVICE OFFERINGS

- Reverse engineering from damaged Parts:
 - Bus
 - GPO-3
 - Sheet metal
- Quick cycle fabrication with around the clock work & project management

FOCUS ON INNOVATION

The driver behind Technibus “Best in Class” world-wide recognition stems from innovations in Non-Segregated, Segregated, and Isolated Phase Bus Systems that include:

- Installation friendly designs to reduce time & expenses
- Proprietary design
- Seismic Certified products that meet requirements of:
 - ASCE-10
 - CBC-2010
 - IBC-2009
 - IEEE-693-2005 high level
 - UBC-1997
- UL & c/UL Listing for Non-Seg products



TECHNIBUS

ISO
9001
QUALITY
ASSURANCE

1501 RAFF RD.

UL
RATED

NON- SEGREGATED & SEGREGATED

With a focus on continually driving innovation and engineering excellence, Technibus remains the leading provider of Non-Segregated and Segregated Metal Enclosed Bus product solutions in North America. As a credible and experienced thought leader, Technibus takes great pride in delivering solutions through decades of focused engineering expertise, dedication to quality and a strong commitment to customer service.

Technibus' conductors include: copper ASTM Designation B187, Aluminum ASTM Designation B236, silver or tin plated contacts.

| Voltage Class | Continuous Current | BIL Level (1 Min, Dry) | Power Freq. Withstand | Short Time Withstand (kA Symm) | Momentary Withstand (kA Asym) |
|---------------|--------------------|------------------------|-----------------------|--------------------------------|-------------------------------|
| 600-1500 | 1200-6000 | 30 | 3.0 | 65,85,100 | 87,113,133 |
| 5000 | 1200-6000 | 60-75 | 19 | 40,50,63 | 62,78,98 |
| 15000 | 1200-6000 | 95-110 | 36 | 40,50,63 | 62,78,98 |
| 38000 | 600-3000 | 150 | 80 | 25,31.5,40 | 39,49,62 |

Special ratings available upon request

ENCLOSURE DESIGN

- Available in standard aluminum as well as stainless steel & A60
- Ease of assembly & adjustment during installation
- Finish meets 840 hr. salt spray test
- Reduces installation time & expense
- Superior weatherproof construction
 - IP66 tested enclosure option available

INSULATOR SYSTEM

- Bus support insulators
 - Low voltage GPO-3 UL Listed glastic
 - Medium voltage high alumina bus supports
 - Anti-tracking inserts
 - Porcelain with complex alumina-silica coating, Fusion bonded to the surface
 - UL listed polyester
- Epoxy coating
- Insulating boots provided for all field connections
 - Equipment terminations
 - Shipping splits

HEATER SYSTEMS

- Can meet Class 1 Division 1 & 2 Groups C & D
- Hazardous area thermostats
- Optional LED failure indicators
- Thermostats- fixed or adjustable



ISOLATED PHASE

For main generator leads, Isolated Phase metal enclosed bus is the solution. Isolated Phase Bus systems are used exclusively for main generator step up (GSU) runs to minimize external electromagnetic fields and provide superior fault protection.

Technibus offers a complete line of Isolated Phase Bus systems for those situations calling for high currents with maximum integrity. Technibus can provide self-cooled ratings up to 31 kA continuous. For forced-air cooled ratings up to 50 kA continuous, please consult the factory. Momentary ratings up to 900 kA peak can be accommodated.

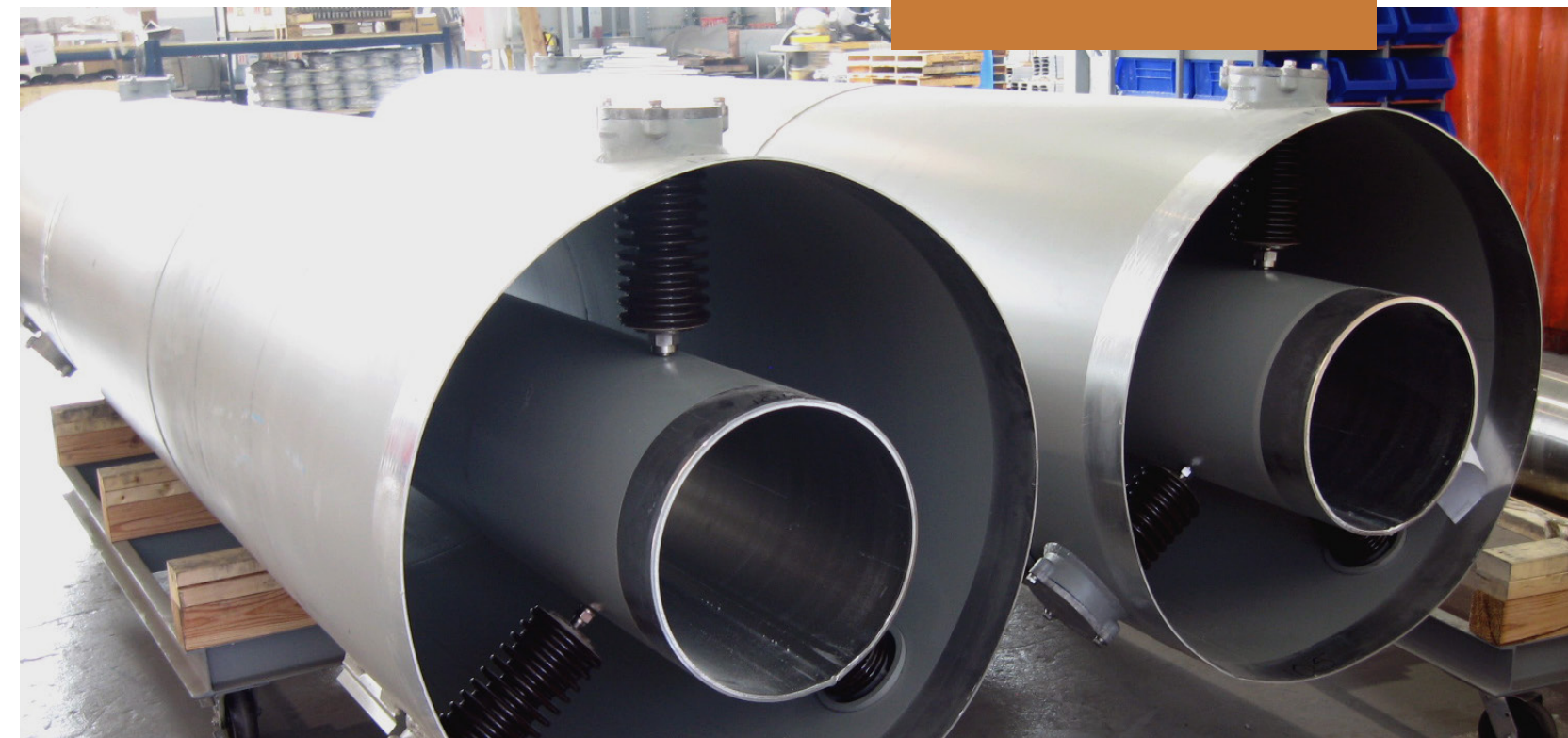
Technibus supplies not only the balance of plant with our low and medium voltage bus products, but can also supply the generator output with ampacities ranging from 3,000 to 50,000 amperes. Our product meets IEEE Standard C37.23 for metal enclosed bus.

ENCLOSURE DESIGN:

- Ease of assembly and adjustment during installation
- High conductivity aluminum rolled plate or sheet
- Reduces installation time & expense
- Variable thickness available depending upon ampacity

OPTIONAL ACCESSORY ITEMS:

- Air pressurization
- Cable tap boxes
- Disconnect switch
- Forced air cooling
- GCB platforms
- Heater systems
- IR viewing windows
- PT/Surge/CT cubicles
- Desiccant system



ADVANCED SYSTEMS

TECHNIBUS uses a wide range of fabrication machines to do prototyping, repair, retrofits, and production of individual pieces of equipment. Our design team is able to reverse engineer damaged or worn out parts and assemblies or fabricate utilizing hand drawn sketches to ensure an exact match to the original piece of equipment. We have all of the in house capabilities to build and run the most complex progressive designs when project scope calls for it. Since everything is done in house, we can ensure on time delivery and that everything is customized to the technical specifications provided.

For more than twenty years, Technibus has been insulating bus bar with epoxy coating using state of the art technology for both manufacturers of switchgear and contractors involved with switchgear repairs and retrofit projects. High dielectric strength, excellent chemical resistance, durable mechanical



characteristics, 130°C thermal rating and high thermal emissivity are distinct advantages our insulation offers over traditional insulating products. With all of these features, our product has become the industry preference.



FIELD SERVICE

TECHNIBUS provides a full range of value-added Field Services to assure that your project is designed, manufactured, delivered and can be installed to your exact specifications all while exceeding your expectations. Our field engineers are both classroom and field trained to help manage your project or issue with an efficient, economical and common sense approach.

PRE-BID CONSULTATION:

- Evaluate retrofit projects
- Obtain equipment details for interfacing purposes
- Site takeoffs to prepare quotations
- Site walk-downs
- Suggest bus ratings
- Verification of field measurements for design

POST-AWARD OPTIONS:

- Field installation advisory service
 - Inventory control
 - Review the installation drawings
 - Safety training
 - Train personnel to understand crate & equipment markings
- Field testing
- Inspection
- Maintenance training
- Recommend methods of unpacking & handling the metal enclosed bus & associated components
- Startup advisory service
- Technician provides an instant link to the factory & engineering should unexpected questions or problems be encountered



TECHNIBUS

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