

# Medium Voltage Bus Systems

Delivering exceptional solutions and services

## Emergency Response Advantages

- 24/7 Repair Services available nationwide for any manufacturer's bus system
- In-house manufacturing ensures exceptional turnaround times for emergency repairs
- Field welding and assembly provided on-site

## Scope

- Inspections
- Preventative Maintenance
- New MV Bus Design, Manufacturing & Installation
- Retrofit Projects
- Bus Replacements & Rerouting Bus
- Cutting and Welding
- Insulator Replacement
- FAC (Forced Air Cooling)
- Performance Troubleshooting
- Transformer Swap Outs

## Condensation Control with Dry Air

The bus is pressurized with dry air, lowering the dew point temperature to  $-40^{\circ}\text{C}$ . This highly efficient system effectively eliminates condensation from the bus, preventing damage and corrosion both internally and externally.

## Value Proposition

One of the most experienced custom Medium Voltage Bus manufacturers in North America with the main facility serving the utility markets for over 60 years. nVent delivers exceptional service with design, engineering, manufacturing, installation, and field service capabilities, with the proven ability to work with every challenge through the experience of our tenured staff.

## Services

- Sales
- Engineering
- Design
- Manufacturing
- Shipment
- Installation
- Energization Testing

## Capabilities

- Bus Duct Manufacturing
- Emergency Response
- Turnkey Installation
- Parts Manufacturing
- Preventative Maintenance
- Transformer Replacement
- Condensation Control

## Segregated Phase Bus

- **Voltage:** 600 V – 38 kV
- **Current:** 1200 A – 5000 A
- **Basic Impulse:** 2.2 kV – 95 kV (Standard), 150 kV BIL
- **Momentary Current:** Up to 100 kA ASYM

## Isolated Phase Bus

- **Voltage:** 15 kV – 38 kV
- **Current:** 1200 A – 25,000 A (Self Cooled), 25,000 and Above (Force Cooled)
- **Basic Impulse:** 110 kV, 125 kV (Standard), 150 kV BIL
- **Momentary Current:** Any Rating

## Non-Segregated Phase Bus

- **Voltage:** 600 V – 38 kV
- **Current:** 1200 A – 5000 A
- **Basic Impulse:** 2.2 kV – 95 kV (Standard), 150 kV BIL
- **Momentary Current:** Up to 100 kA ASYM

Our powerful portfolio of brands:

**CADDY ERICO HOFFMAN ILSCO SCHROFF TRACHTE**