

## Westinghouse Bus Duct Project Overview

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|--------------------------|--|
| <b>Project Location:</b> | Charleston, WV                             |
| <b>Market Segment:</b>   | Large Retail Provider                      |
| <b>Project Type:</b>     | Westinghouse Bus Duct (480V, 1600A) Repair |



## Challenge



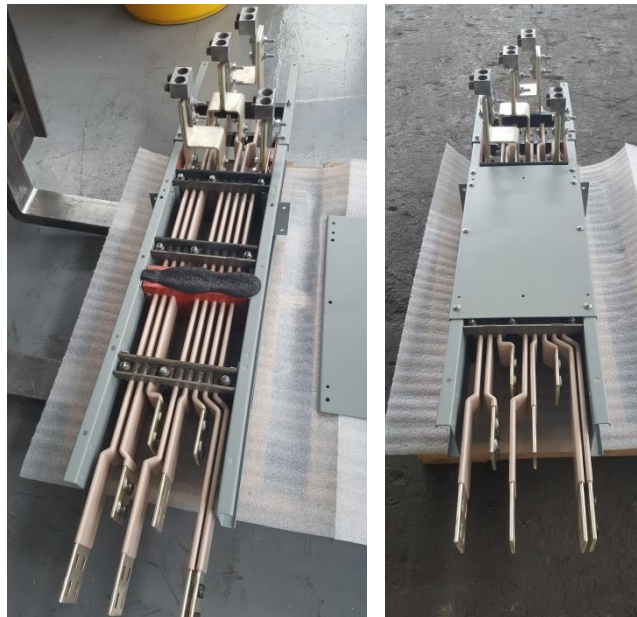
The existing bus had a failure when a shorted the bus phase-to-Phase. This customer needed the bus duct rebuilt to match the existing obsolete bus duct. It was the final length of bus duct that connected to the distribution switchgear, there was no time manufacture a complete run of bus duct.

## Solution

We reverse engineered the obsolete Westinghouse bus duct and returned it to like new condition. Working around the clock we were able to complete the work in less than 24 hours.

This included:

- All new copper bus with fluidized bed epoxy insulation
- New glass polyester bus supports
- New sheet metal covers
- The frame was sand blasted and repainted
- All new hardware and cable lugs

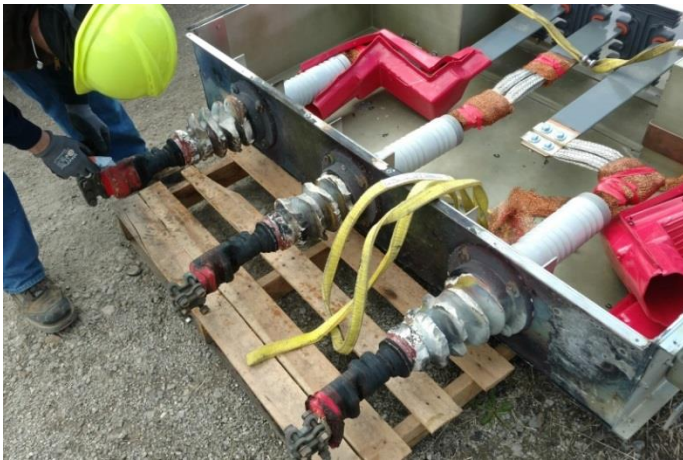


## Emergency Repair Project Overview



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|--------------------------|-----------------------------------|
| <b>Project Location:</b> | Sandusky, OH                      |
| <b>Market Segment:</b>   | Industrial Manufacturer           |
| <b>Project Type:</b>     | Bushing Box (15kV, 1200A) Rebuild |

## Challenge



This was an emergency project for an manufacturing facility that could not afford much down time. A squirrel shorted out the bushings and it needed repaired within 24 hours.

## Solution

With little time on our hands, we worked around the clock to get this job done properly and on time. We rebuilt the bushing box including the following components:

- New porcelain bushings
- New copper bus adapters
- Re-plated and insulated the existing copper bus
- Supplied and installed new bus boots
- Re-painted the entire enclosure

