

**B&A**

**the forensic engineer**

## **ARCING AND FIRE LOSS IN AN UNDERGROUND MAIN ELECTRICAL VAULT, JOINTLY USED BY A PUBLIC UTILITY AND PRIVATE BUILDING OWNER**

We are pleased to announce that our client, the lawyer for a major Ontario Utility company (the Plaintiff), achieved a very favorable court judgment.

Brosz and Associates provided Forensic Engineering expertise in this matter. The major issue centered around damage to two Plaintiff-owned transformers and switchgear, and the Defendant's responsibility to maintain and test their accompanying electrical bus duct from time to time, despite warnings by the Plaintiff of probable corrosion and incipient failure. The Defendant's failure to maintain, test and inspect the bus duct in the underground vault resulted in severe electrical arcing. The intense heat of the arcing and fire destroyed all equipment in the Defendant's vault as well as the Plaintiff's transformers, high and low voltage cables and switches.

### **Volt Network Protector**



**View of the remains of the secondary 600 volt network protector for the above transformer, damage due to sustained internal and external arcing and oil fire. Note: The split in the transformer tank, due to an internal fault, caused a fire and destroyed all electrical equipment in the vault.**

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