

# Have You Listened to Your High-Voltage Electrical Switchgear Lately....?

Chances are, it may be trying to tell you something. The presence of corona, tracking and arcing on electrical equipment is not only wasteful, it can lead to severe damage and unwanted outages.

Corona discharge results when air molecules around conductors become electrically charged or "ionized". This ionization process produces ozone and nitrous acid, both harmful to metal parts and the insulating compounds.

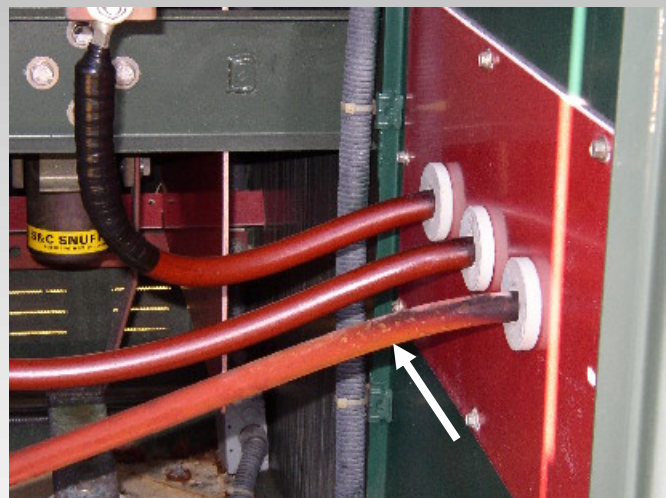
Tracking and arcing are advanced stages of electrical discharge; where electricity is actively seeking pathways to ground. There is generally very little time to take corrective actions once electrical equipment reaches this stage of problems.



Carbon tracks on 13kV Load Interrupter Switch detected using ultrasound prevented catastrophic failure of component and lost production

**If you are only using infrared, you are most likely missing problems.**

**Unlike loose connection, corona and tracking have no thermal signature.**



Electrical Stress on non-shielded 25kV cable with corona discharge found

Brady Infrared has the equipment, training, and experience to locate these harmful electrical discharges through the use of ultrasound listening. The inspections can be done at the same time your infrared scans are being performed.



Contact us for more information about this technology :  
Brady Infrared Inspections, Inc. (772) 288-9884