



High-Power Underground Cable Monitoring

New York City



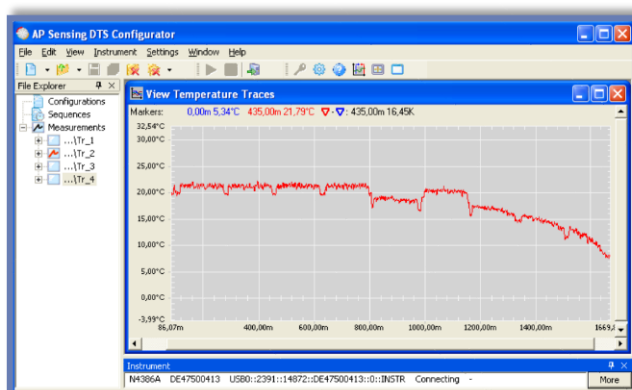
Utility tunnel



Times Square, New York City

Underground utilities are “the power” beneath large cities. They feed the metropolises with electric power, gas and water. Failures in this sensitive infrastructure are costly and therefore USI Power selected AP Sensing’s outdoor DTS instrument to permanently monitor the temperature along a 220kV power circuit connecting Manhattan (East Harlem) to Queens .

USI Power uses continuously measured temperature data to feed their Real Time Thermal Rating (RTTR) software which in turn optimizes the use of this critical asset.



IP66 outdoor housing



Splice box and ambient temperature measurement coil

Reasons to select an AP Sensing solution:

- IP66 outdoor housing
- Robust instrument design
- Open interfaces
- Real dual-ended measurement
- Maintenance-free operation