

## KoldProfile

Upsite's KoldProfile, one of the KoldWorks suite of service offerings, is a survey of your data center cooling to determine the three measurements of data center cooling health based on published standards from ASHRAE and The Uptime Institute:

- Data Center Hotspots—Temperature and Relative Humidity
- Bypass Airflow—To regain lost conditioned airflow
- Cooling Margin Available—To cool additional equipment

**This service takes approximately 1-2 hours depending on data center size and includes the following activities:**

- Count & size raised floor openings to estimate the percentage of bypass airflow
- Measure cabinet air intake temperatures to determine the presence of hotspots
- Measure relative humidity of any identified hotspots
- Sum cooling unit rated cooling capacity and convert from tons to kilo watts (kW)
- Sum cooling unit rated airflow in CFM (cubic feet per minute)
- Sum computing equipment power load in kW
- Determine the presence of latent cooling and its associated Latent Cooling Penalty

**After the survey on the data center floor, you will receive:**

- ✓ On site verbal discussion of findings and recommendations
- ✓ Written KoldProfile report detailing findings and recommendations

KoldProfile is necessary for data centers dedicated to improving IT equipment reliability and optimizing critical physical infrastructure. Learn how capital costs associated with installing additional cooling equipment and operating costs can be reduced, and determine redundant cooling capacity for a high heat density computing equipment installation.