



“Cooling comprises **60 to 70** percent of datacenter’s total power consumption, with the remainder devoted to equipment operations. With energy costs skyrocketing, the datacenter industry faces more pressure than ever before to **conserve power**”

KOLDWORKSSM

KOLD | PROFILE

Premier Solutions Co's and Upsite Technologies, has teamed to provide “KOLDPROFILE”, to assist with your DCO (Data Center Optimization) . This onsite survey of your data center cooling will 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 without overprovisioning cooling

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

- Count and 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

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

- On site verbal discussions of findings and recommendations
- Written KOLDPROFILE report detailing findings and recommendations
- Follow-up assessment to monitor KOLDPROFILE recommendations