

# Why Continuous Air Quality Monitoring Matters in AI & HPC Data Halls

As data halls become denser and more compute-intensive, continuous monitoring helps operators protect equipment reliability, performance, and long-term infrastructure health.

## 1 Why Monitoring is Needed

- **AI & HPC environments have less room for error.** Sensitive GPU-based systems reduce tolerance for environmental issues.
- **Contamination can develop between inspections.** Annual particle counts and spot checks provide only a snapshot in time.
- **Ultra-fine particulate and VOCs are often invisible.** Airborne contamination often circulates hidden through critical spaces.
- **Better visibility supports better decisions.** Continuous monitoring helps teams identify trends early and respond more confidently.



**ThinkLite Air**

## 2 What Continuous Air Monitoring Helps You Do



### 1. See changing conditions in real time

Track airborne particulate and VOC levels across critical spaces.



### 2. Respond before issues escalate

Track airborne particulate and VOC levels across critical spaces.



### 3. Support equipment reliability

Track airborne particulate and VOC levels across critical spaces.



### 4. Strengthen maintenance planning

Track airborne particulate and VOC levels across critical spaces.

## 3 ProSource + ThinkLite Air

ProSource combines critical cleaning expertise with ThinkLite Air monitoring and air treatment technology to help data center operators move from periodic checks to a proactive air quality management program.

- **Continuous Air Quality Monitoring**
- **Analytics, Alerts & Reporting**
- **Air Purification Response Options**
- **Critical Environment Cleaning Support**

## 4 A More Complete Approach



**Monitor continuously**



**Respond early**



**Treat when needed**



**Clean and maintain**



## Schedule a Critical Environment Site Assessment

Let ProSource review your data hall environment and recommend the right monitoring, air treatment, and cleaning support program for your data halls.

