



® Knowledge Beyond Measure.

TSI OmniTrak™ Solution in Action

Installation Renovation IAQ

Background

TSI Incorporated is a global leader in precision measurement instruments and monitoring solutions. With a strong focus on air quality and worker/occupant safety, TSI develops platforms like the **TSI OmniTrak™** Solution, a modular system that allows facility managers and safety officers to track multiple parameters in real time. Paired with **TSI Link™** Report Creator, **OmniTrak™** Solution simplifies data collection, streamlines reporting, and adapts to evolving safety requirements.

Installation and renovation activities—such as flooring, coatings, lining systems, and interior build-outs—can introduce particulate matter and chemical vapors that require careful monitoring. Contractors and facility teams must balance worker safety, occupant protection, and project timelines while minimizing disruption. Traditionally, temporary monitoring relied on rented equipment and manual checks, which limited visibility and increased cost.



Challenges

- Limited visibility into IAQ conditions during installation activities
- Reliance on rented instruments with constrained availability
- Difficulty determining when it was safe to re-enter or re-occupy spaces
- Need to monitor conditions without disrupting work or occupants



Solution

- Deployed **OmniTrak™** Smart Stations with PM and VOC modules across active work zones
- Enabled, remote monitoring throughout the installation period
- Used remote access to assess conditions without repeated site entry



Benefits

- Improved visibility into installation-related IAQ conditions
- Reduced monitoring costs compared with equipment rental
- Greater confidence in safe re-entry decisions

TSI OmniTrak™ Solution enabled a shift from reactive measures to intelligent monitoring... and that's how efficiency meets intelligence.

Detailed Results

By using OmniTrak™ Solution during installation and renovation activities, teams gained continuous insight into particulate and VOC levels across affected spaces. Instead of relying on intermittent checks or limited rental periods, monitoring was maintained throughout the work, allowing teams to understand how conditions changed with different installation phases and ventilation strategies.

Organizations reported that owning OmniTrak™ Solution reduced monitoring costs compared with repeated rentals and allowed equipment to be used more frequently across projects. Visibility to continuous data during the study helped teams make informed decisions about ventilation adjustments and confirmed when conditions had returned to acceptable levels, enabling timely and confident re-entry.

Looking Forward

As installation and renovation work continues to evolve, ongoing IAQ monitoring is becoming a standard expectation. The OmniTrak™ Smart Station, paired with various modules and TSI Link™ Report Creator, provides a scalable solution that supports safer work practices, better communication, and more predictable project timelines. Over time, organizations can expand monitoring programs without increasing complexity or reliance on short-term rentals.



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