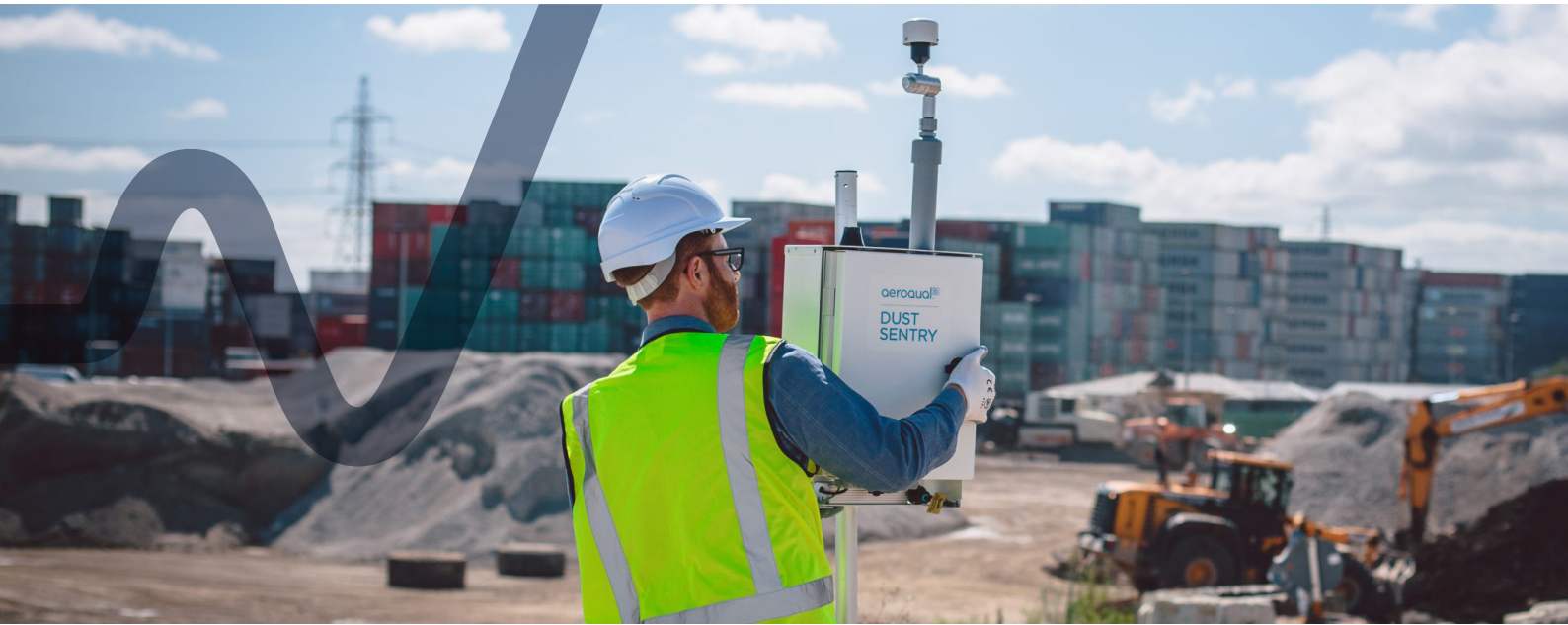




CAMPBELL ASSOCIATES
SOUND, VIBRATION & AIR SOLUTIONS

DUST SENTRY DUST MONITOR



KEY PRODUCT SPECIFICATIONS



mCERTS CERTIFIED
PM10 & PM2.5 with PMX Module



MULTI-FRACTION
Monitoring PM1, PM2.5, PM4, PM10 & TSP



HEATED INLET
Improved Outdoor Accuracy



WEATHER PROTECTED
IP65 Outdoor Enclosure



FLEXIBLE POWER
Mains, Battery or Solar



CLOUD CONNECTED
Sonitus & Aeroqual Platforms

Built for Reliable Outdoor Dust Monitoring. Accurate data. Continuous visibility.

The **Dust Sentry** provides accurate, defensible particulate data in real time. Its PMX module is mCERTS certified for PM10 and PM2.5, while configurable sensing options support PM1, PM2.5, PM4, PM10 and TSP monitoring. Cloud connectivity enables continuous access to live measurements and alerts.

DESIGNED FOR OUTDOOR AIR QUALITY MONITORING

Suitable for construction, demolition, remediation, roadside monitoring and air-quality research projects where reliable, continuous long-term particulate data are essential for informed decision-making and compliance reporting.

The **Dust Sentry** combines a rugged, lockable enclosure with straightforward one-person installation, making it a practical and dependable solution for demanding outdoor monitoring applications.



TECHNICAL SPECIFICATIONS



PMX MODULE
mCERTS PM10 & PM2.5



-10°C TO +50°C
Operating Range



32 GB
Embedded Hard Drive



30 W
Power Draw



5+ YEARS
Onboard Data Storage



OPTIONAL WEATHER
Meteorological Add-On

POWER & DEPLOYMENT

Flexible power options for reliable long-term outdoor monitoring.

- **Plug-and-play** setup
- **One-person** site installation
- **110V or 240V** mains input
- **Battery or solar** power options
- **Approx. one week** on a 200 Ah battery
- **Lockable IP65-rated** enclosure

MONITORING & COMPLIANCE

Reliable particulate data for compliance and proactive site management.

- **mCERTS-certified PM10 & PM2.5** monitoring
- **PM1, PM2.5, PM4, PM10 and TSP** options
- **Continuous real-time** measurement
- **Heated inlet** reduces humidity interference
- **Cyclone inlet** filters larger particles
- **Supports Section 61** dust monitoring

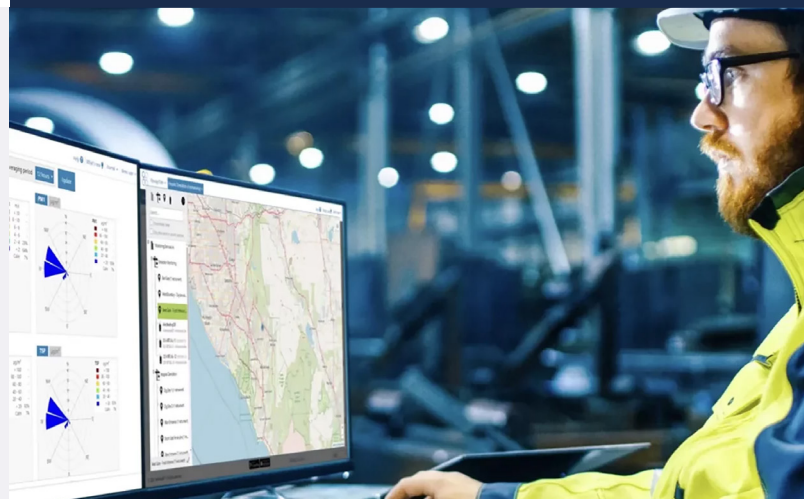
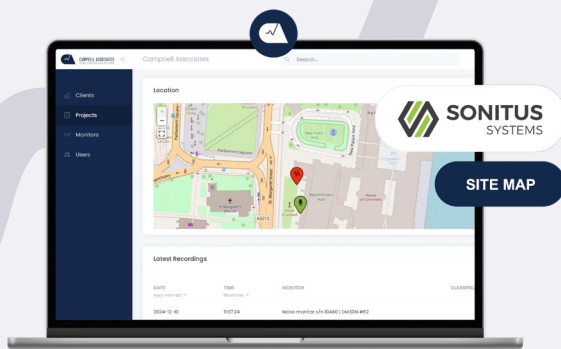
REMOTE MANAGEMENT / CLOUD

Access live data, diagnostics, alerts and reports remotely.

- **Sonitus Cloud** project reporting
- **Aeroqual Cloud** diagnostics and support
- **Live data access** from any location
- **Email, SMS and connectivity** alerts
- **Scheduled or on-demand** reports
- **Remote updates and calibration** support
- **Project map** for monitor locations

APPLICATIONS

Construction
Demolition
Remediation
Roadside monitoring
Air-quality research



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