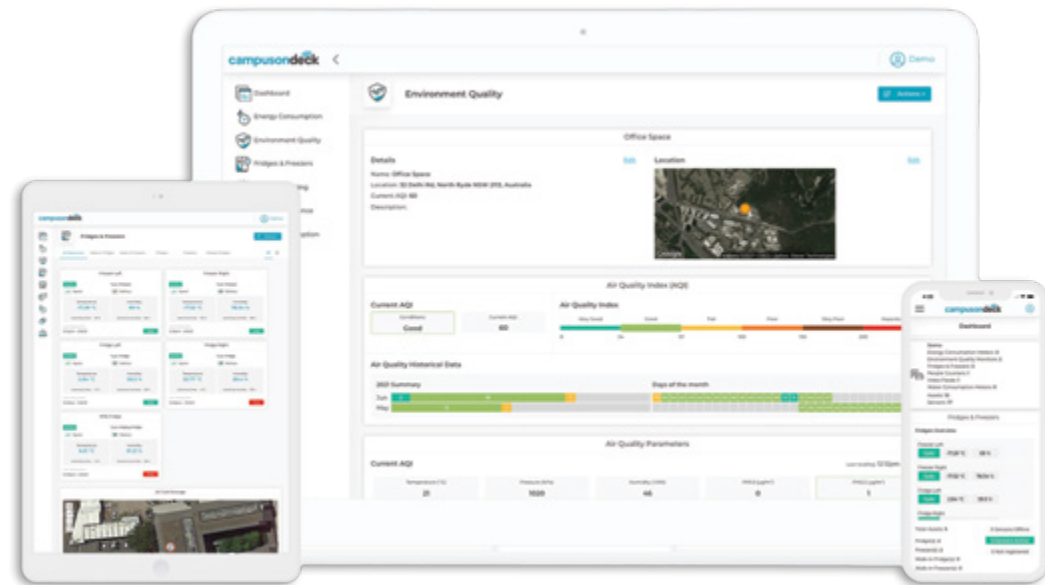


***Gain real time visibility
over your properties and
investments with 365mesh
IoT portal.**



WE ARE FOUND GLOBALLY



Contact us

Visit our Website: www.365mesh.com

Email us: sales@365mesh.com

Follow us on social media



outcomex

POWERING 365mesh greenmesh broadsecure

Rental Properties, Short and Long Term Homestays

POWERED BY
365mesh

Air Quality, Health, Safety & Security
All in one IoT Solution

IoT solutions for Hosts and Landlords

Protecting your space, ensuring your peace. Clean, safe, secure.

According to a 2024 report published by Bmj, Australia has witnessed a threefold increase in the use of alternative nicotine delivery systems (ANDS), such as vapes and e-cigarettes.

Additionally, a Reuters study shows how indoor vaping results in the accumulation of large amounts of particle matter on surfaces and products, that, just like traditional cigarettes, pose health risks through exposure.

The Aether sensor delivers not only a solution for landlords to ensure a smoke-free property but resolves a range of other challenges when it comes to managing assets. From identifying disruptive noise during quiet hours and managing overcrowding to minimizing neighbour complaints and streamlining guest dispute resolution.

Our organisation has over a decade of experience in networking technologies and security, which form an integral part of the underlying architecture required for IoT networks. Our extensive network engineering capabilities give us a unique ability to understand and deploy every component of an IoT network.

Our solution has been developed in Australia and New Zealand, with manufacturing facilities in New Zealand and our team of engineers providing installation and support services nationally.

100% compliant with privacy legislation for security devices permitted in rentals and homestays:

- › Does not record any audio or video
- › Utilises a microphone to extract audio characteristics that are accurately matched against our library of audible objects by our AI/ML algorithms
- › Identifies audible objects such as glass windows breaking, gun shots, running water, sounds of aggression or distress, etc
- › Our AI/ML technology ensures the exceptional accuracy of our sensors. Our patent-pending algorithms ensure that your home benefits from cutting-edge technology unparalleled in the market.
- › Sends real-time alerts so property owners can act promptly
- › All features can be enabled / disabled selectively
- › Utilises Machine Learning technology to reduce the number of false alarms

The all-in-one security device



Room presence /occupancy
Counts and keeps track of people entering and exiting the property and spaces at certain times



Water leakage
Extract audio characteristics from running water that detect water leakage and save water



Sense audible indicators
Detect alarming audio such as glass breaking, gun shots, screaming, etc and send alerts



Reduced false alarms
Uses AI/ML technology to learn and adapt to false alarms, reducing the probability for these to happen.



Vape & Smoke detection
Identifies gas signatures in smoke substances such as vape, THC smoke and tobacco



Reports to show concrete proof of transgressions
Download detailed reports required as evidence and submit them in guests' disputes.



Real-time tailorable notifications and alerts
Define which type of notifications to get on the dashboard and type of violations to record



Customised criteria
Customise according to your house rules and adjust the parameters to activate alerts for specific times of the day.



Theft detection
Uses AI/ML noise detection to detect and differentiate alarming audio such as window glass breaking



Detailed dashboard
Gain detailed insights with reports and history records installation.



Drug detection
Detect the gaseous byproducts of common drug production and usage processes and know if your home has been exposed to toxic chemicals or other gases



Environmental Monitoring
Temperature, noise levels, air quality and light brightness



Anti-tamper
Utilises a backup battery to deter intentional tampering. Maintains monitoring functionality even when unplugged or during power outages.



Utility monitoring
Monitor usage of gas, electric and water remotely as individual units or as a whole system

(see our range of other sensors)



Customisable model
Each feature can be enabled/disabled selectively at any time without the need for in property assistance



Monitor, automate and control access to restricted areas
Door and window contacts, including for restricted zones in the property (cleaning closets, basements, etc)

(see our range of other sensors)

DETECT. ANALYSE. AUTOMATE.

Monitor air quality in real-time to detect hazardous gases and an array of other elements, such as:

CO₂

Carbon Dioxide

CO

Civil CO

Particle Matter
1.0/2.5/10

Civil Gas

CH₂O

Formaldehyde

NH₃

Ammonia

O₂

Oxygen

O₃

Ozone

H₂S

Hydrogen Sulfide

NO₂

Nitrogen Dioxide

SO₂

Sulfur Dioxide

Cl₂

Chlorine Gas

TVOC

Total Volatile
Organic Compounds

RCS

Respirable
Crystalline Silica



Senses and detects:

- › Air quality and atmospheric contaminants
- › Room presence/occupancy
- › Audible indicators of aggression, distress, damage
- › Theft detection - breaking glass
- › Ambient temperature, humidity, pressure
- › People counting

All while remaining secure against physical and digital exploits

Sense air quality and atmospheric contaminants



Identify gas signatures for

- › Vaping
- › THC smoking
- › Tobacco smoke
- › Methane
- › Other fumes



Identify and measure harmful airborne particles and gases (i.e.CO2, VOC, Silica dust)

The all-in-one security device

Our Aether Sensor is a purpose-built sensor to aid landlords and owners to increase the security and safety of those in their properties that works together with our user-friendly dashboards and customizable alerts and notifications. All while remaining secure against physical and digital exploits.



Understand the occupancy of the property

AI/ML motion, sound and light detection capabilities to identify people and activities that may indicate prohibited behaviour on the property, such as excessive parties, overcrowding, or unauthorized pets. Set customisable thresholds for when to receive notifications of rule violation.



Sense audible indicators of aggression, distress, damage

Uses AI/ML noise detection technology to detect and differentiate alarming audio such as glass windows breaking, gun shots, screaming, etc and sends alerts for a prompt action.

Sense and report ambient temperature, humidity, pressure

Measures and monitors the spaces temperature, relative humidity, VOC, NOx, PM1, 2.5, 4, 10, and alerts when readings exceed a certain range. Device is actively ventilated with a built-in fan.



Detect drug usage or manufacturing

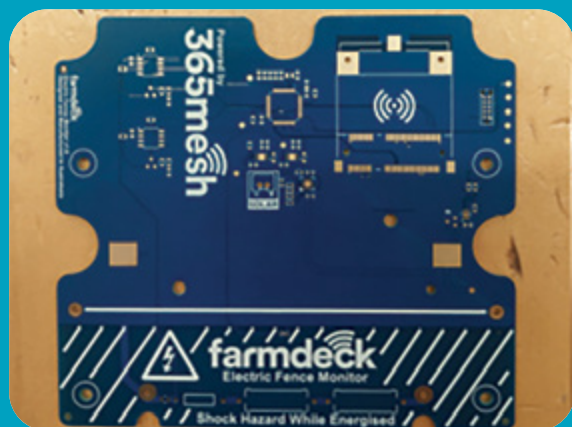
Monitor air quality in real-time to detect hazardous gases commonly used in illegal drug use and manufacturing. Receive alerts and act immediately if your home has been exposed to toxic chemicals or other gases.

Your security is our priority.

Data collected from the sensors is owned by the customer and data is stored locally on customer premises with optional backup in the cloud.

Locally manufactured in Australia for fast shipping and local support

- > Rapid prototyping
- > Injection moulding
- > Assembly and shipping
- > Electronics PCB
- > Hardware testing
- > Manufactured by experienced engineers



Managed Services Provider operating

24x7x365 days

NOC (Network Operations Centre) in Sydney and Melbourne.

DETECT. ANALYSE. AUTOMATE.