



Fire Suppression System



TABLE OF CONTENTS



3

Self-Contained Suppression



6

OnWatch Mobile System



8

Continuous Flow Suppression
System



10

Mobile Suppression Unit

11



Services Offered

Self-Contained Suppression

Advanced Fire Detection Analytics With Human Verification

Early detection is achieved through the use of military-grade thermal detection and high-definition video.

All information is assessed by sophisticated false alarm filtering analytics before final verification by human agents.

Remote-Controlled Suppression

Verified threats are immediately addressed by a targeted suppression that concentrates firefighting agent at the base of the fire and minimises disruption and cleanup.

On Guard — 24/7

The Fire Rover system is supervised 24/7/365. Equipment is included in the comprehensive maintenance and service program.



DETECT:

Advanced Analytics with Human Verification

Fires are detected in their infancy stage using state-of-the-art FLIR camera and video analytics.



EXTINGUISH:

Fire Suppression System

Fire Rover's automated suppression system swiftly responds to heat increases, promptly alerting a live-monitoring team for immediate action, effectively extinguishing fires of all calibres.



PROTECT:

Verified Protection

Ensures verified protection through continuous system monitoring, daily check-ins, on-site maintenance, and regular software upgrades for optimal performance.



Technical Specifications

SELF-CONTAINED SUPPRESSION

Fire Fighting Agent Capacity 3,785 Litres (including 3% Fire Fighting-Agent)

Fire Fighting Agent F500 Encapsulating Agent at 3% ratio

Shipping Weight 4,310 kg

Installed Weight 9,070 Kg

Dimensions (LxWxH) 6,096 x 2,438 x 2,591 mm

Discharge Range 43m (weather dependent)

ASME Water Vessel Info 200 psi at 205 °C

Operating Temperature -40 to 48 °C

Maximum Flow Rate 378 Litres per minute

Nitrogen Cylinders 12 x 11m3 EHP

Pressure Relief 200 psi

Power 240V- 32A

Communications Cat6 and Cellular 4G

Thermal Camera FLIR A310F

HD Camera Axis HDTV

Suppression Cannon Elkhart Sidewinder

CANNON LENGTH

45 metres

CANNON LENGTH

90°

CONTAINER SIZE

20 foot

WATER TANK SIZE

3,785 litres

OnWatch

Mobile System

Mobile early fire detection solution built to operate in rugged environments that targets the ignition source before a fire has the opportunity to expand.

A mobile unit utilising both solar and wind power to provide 24/7 fire watch and emergency dispatch.

Mobile Fire Detection

OnWatch provides critical early detection in difficult environments.

Our operators can attack a problem in minutes, before the event grows into a substantial problem.

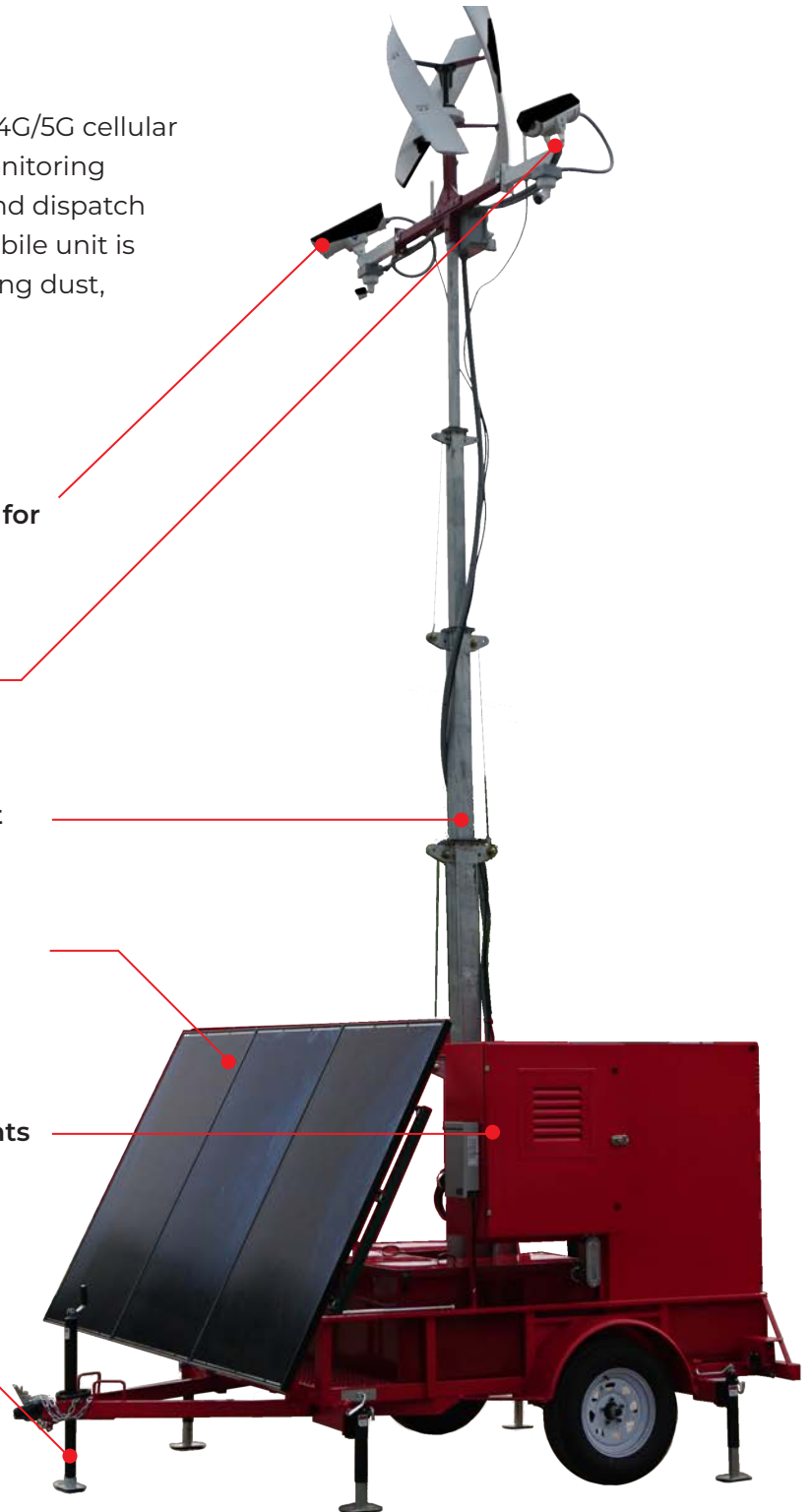
Features:

- ✓ Uses advanced heat and flame detection to quickly identify fires and dispatch Fire Personnel.
- ✓ Operates in all weather and light conditions.
- ✓ Can be configured with coverage from 90-360°.
- ✓ Easy deployment and relocation with a standard trailer hitch and telescoping mast.
- ✓ Solar-powered with 4G cellular technology to monitor remote locations.
- ✓ Customised alarm handling protocols.
- ✓ Rapid dispatch after human verification.

How it works:

The OnWatch system communicates via a 4G/5G cellular network and connects to the Fire Rover Monitoring Center for quick detection, identification and dispatch of emergency personnel. The OnWatch mobile unit is heavy-duty for harsh environments, including dust, wind and uneven surfaces.

- 24/7 thermal imaging and monitoring for abnormal heat & emergency dispatch
- Coverage options available up to 360 degrees
- Telescoping mast for easy deployment
- Solar & wind powered with significant battery reserves
- Built to operate in rugged environments
- Easy deployment & relocation with standard trailer hitch



Applications: Landfill Working Face, Compost Windrows, C&D, Wildfires, Outdoor Waste / Recycling, etc.

Continuous Flow Suppression System

Fire Rover's Continuous Suppression System delivers early-detection, verification, remote nozzle control and a continuous flow of water to eliminate deep-seated and large surface fires.



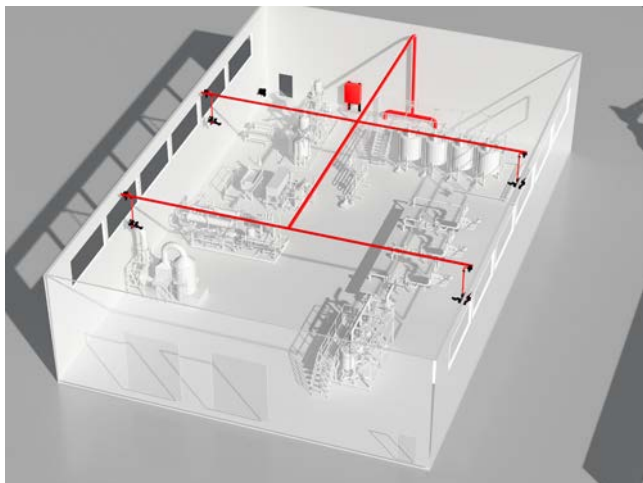
Early Fire Detection & Rapid Suppression

The Fire Rover Continuous Suppression System offers 24/7 early detection monitoring to identify fire threats in real time and responds with unwavering, high-pressure water flow. This persistent, uninterrupted water supply tackles fires swiftly, safeguarding your assets for as long as needed to achieve full extinguishment.

Features:

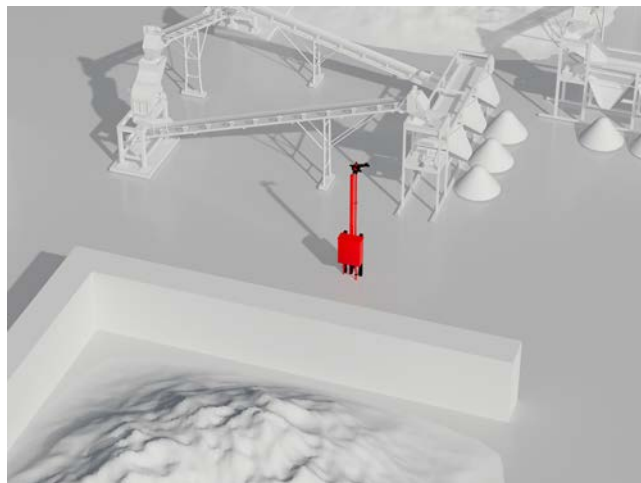
- ✓ The system utilises municipal water pressure or a fire pump, allowing for unlimited fire suppression.
- ✓ Primary fire suppression coverage with an approved performance-based design.
- ✓ Smoothbore or adjustable stream nozzle available.
- ✓ 24-hour battery back-up.
- ✓ Back-up cellular communicator.
- ✓ Your Fire Protection Engineer will design the appropriate piping infrastructure for your facility.





Interior Building Mounted System

Fire Rover's interior building mounted systems are strategically installed with precisely placed nozzles to protect high-risk areas, seamlessly connecting to the facility's existing water supply along walls or structural columns. Its streamlined design integrates effortlessly into new or existing structures without the need for bulky tanks or additional reservoirs.



Exterior Standpipe System

The Fire Rover standpipe system connects directly to the facility's water infrastructure, expanding fire suppression coverage to large or hard-to-reach areas. Its flexible configuration and small footprint design allow for easy installation along exterior walls or structural supports, ensuring comprehensive protection without disrupting site operations.



Proactive Detection

Multifaceted early detection technologies, including thermal, flame, smoke, & proprietary AI monitor 24/7 to identify incipient fires



Live Monitoring

Our live operators quickly verify alarms by observing the video feed from the Thermal Camera and reference cameras



Rapid Response

If a threat is confirmed, the operator follows the customer protocols for emergency notification and dispatch of emergency personnel



Reporting of Incidents

Fire Rover delivers a time stamped incident report to designated company representatives.



Mobile Suppression Unit

Introducing the OnWatch Mobile Suppression Unit, Fire Rover's answer to posting fire watch during and after hot work activity. State of the art technology is paired with highly trained virtual firefighters to identify and quickly suppress threats.



Proactive Detection

Multifaceted early detection technologies, including thermal, flame, smoke, & proprietary AI monitor 24/7 to identify incipient fires



Live Monitoring

Our live operators quickly verify alarms by observing the video feed from the Thermal Camera and reference cameras



Rapid Suppression

Human-controlled fire suppression mechanisms ensure fires are addressed quickly and effectively



Emergency Dispatch

If a threat is confirmed, the operator follows the customer protocols for emergency notification and dispatch of emergency personnel



Reporting of Incidents

Fire Rover delivers a time stamped incident report to designated company representatives.



Services Offered

Preventative Maintenance

Keep your operations running smoothly and efficiently.

- ✓ Minimise unexpected breakdowns and maintain consistent productivity with regular equipment check-ups.
- ✓ Prevent costly repairs and emergency service calls by identifying and addressing issues early.
- ✓ Priority response 24/7.

Scan to learn more
about the service



After-sales Service & Support

With our 24/7 after-sales service and support, you can rest assured knowing that you will receive prompt assistance whenever you need it.

- Immediate on-site service, repair and refurbishment for all products.
- Covers a wide range of support needs, including technical support, spare parts and maintenance.
- Available 365 days a year - rain, hail or shine.

Contact Us:

1300 665 870



About Wastech

30 years of Designing, Developing and Delivering

For over 30 years, Wastech Engineering has been a leader in the waste management and resource recovery industry across Australia and New Zealand, offering best-in-class, technology-enabled solutions and an extensive product range.

Our experienced team of waste management and recycling specialists are committed to delivering industry-leading products and services, while providing exceptional after-sales support tailored to different operational requirements.

We are dedicated to continuous innovation and research that enhances our comprehensive portfolio of waste management solutions. Recognised as a trusted partner for businesses, our considered range of specialised equipment helps to boost efficiencies and reliability, while making an impactful contribution to sustainability initiatives across various sectors.

At Wastech Engineering, customer satisfaction is at the heart of everything we do. We take pride in our reputation that has been built on dependability and innovation, ultimately helping organisations achieve their environmental goals.

Start your Fire Protection Journey Today!

Detect early. Respond fast. Protect what matters.

Contact Us

1800 465 465

Our Office Locations

VIC

29 Technology Circuit
Hallam VIC 3803
service@wastech.com.au

VIC Head Office

33 Wedgewood Drive
Hallam VIC 3803
info@wastech.com.au

QLD

Unit 2, 50 Raubers Road
Banyo QLD 4014
service@wastech.com.au

NSW Office

Unit 3, 364 Woodpark Road
Smithfield, NSW 2164
info@wastech.com.au

WA

Unit 1, 2 Trade Road
Malaga WA 6090
service@wastech.com.au

SA, NT, TAS, ACT

1300 665 870
service@wastech.com.au



SCAN ME

 **1800 465 465**
 www.wastech.com.au
 info@wastech.com.au
 Wastech Engineering