



THE FIRE KNIGHT

THE GUARDIAN

ADVANCED WILDFIRE
SUPPRESSION SYSTEM

BY THE FIRE KNIGHT

World-First Integrated Capability

The Guardian is the world's first wildfire suppression system to combine:

- Integrated water storage
- Solar-powered off-grid operation
- Multi-spectrum IR detection with autonomous sector-targeted suppression
- Rotating multi-nozzle delivery (45°–360° arcs)
- Multi-network connectivity for remote activation

All packaged in a rugged stainless steel unit designed for multi-year unattended deployment in the harshest climates.



www.thefireknight.com

Why The Guardian?

Wildfires are faster, hotter, and more destructive than ever. Traditional firefighting often arrives too late. The Guardian provides instant, automated protection in remote and high-risk areas — buying precious time and preventing devastating losses.

Key Features



Autonomous Fire Detection & Response



Multi-spectrum IR flame detectors — full 360° coverage.



Detects wildland vegetation, hydrocarbon fuels, and industrial materials.



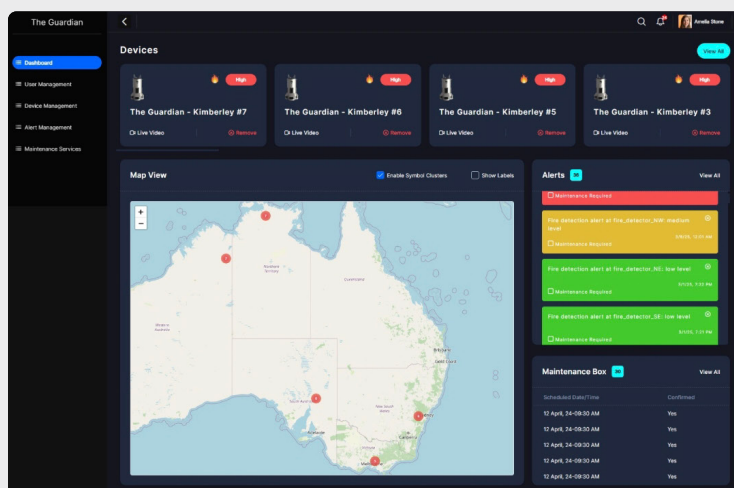
Two activation modes:

Sector Mode

Only the nozzle in the detecting sector activates.

Full-System Mode

All nozzles activate on any detection.



THE GUARDIAN

BY THE FIRE KNIGHT



THE FIRE KNIGHT



Fully automatic — activates without human input.



Flow rate per nozzle: **150 L/min** to **190 L/min** (configurable).



Coverage radius up to **30 metres**.



Engineered for Extremes



Stainless steel tank with ultra-low evaporation design (~2–8 L/year loss).



Weatherproof, solar-powered, multi-year operation.



High-Performance Suppression



Total flow rate (3000 L model): **600–760 L/min**.



Adjustable rotating nozzle arcs from **45° to 360°**.



Internal & external stainless steel frame.



Stainless steel nozzles, fittings, and fasteners.

Connectivity & Control

Wi-Fi, GSM, or satellite communication.

Live video feed and event logging.

Directional alerts
(North, South, East, West).

Remote manual activation and pre-saturation.



Deployment Options

Single-Unit

Protects up to **2,800 m²** (60 m diameter).

Multi-Unit Array

Grid or perimeter protection for large areas.



Environmental & Economic Benefits



Works with water, Class A foams, or eco-friendly suppressants.



Reduces wildfire spread, protecting lives, assets, and ecosystems.



Can prevent hundreds of tonnes of CO₂ emissions



Low maintenance, high reliability.

Third-Party Validated

Tested and reviewed by Halliwell Fire Engineering Associates, an internationally recognised fire safety consultancy working with governments, insurers, and industry.

Contact The Fire Knight to design your Guardian deployment strategy.

Disclaimer: The Fire Knight systems are designed as fire suppression aids and are not classified as fire extinguishers. They assist in the detection, alerting, and suppression of fires to minimise damage and provide additional response time. While engineered to suppress fires effectively, they may not fully extinguish all fire types or scenarios. Fire classifications and electrical use capabilities depend on the suppressant used and local certifications.