



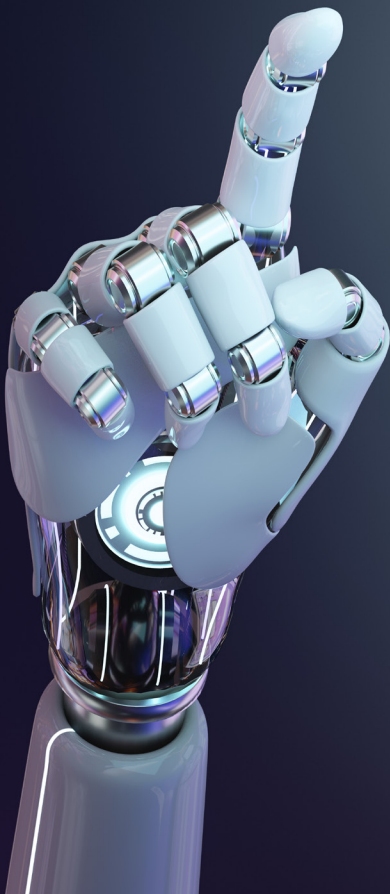
IN INNOVATION,
THE QUESTION IS NOT
WHY,
BUT **WHY NOT?**

**We automate
the future**

Leading innovative company

About **Mission & Vision**

Talamone Group and its European division, Hawk System, offer innovative solutions in infrastructure inspection and data collection, leveraging artificial intelligence (AI) and machine vision technologies. Our goal is to provide technologies that not only enhance operational efficiency but also significantly improve safety and reduce costs.



Vision

Our vision is to create a future where infrastructure inspection is fully automated, safe, and cost-effective, achieved through the perfect synergy of human expertise and artificial intelligence.

Mission

Talamone Group and its European division, Hawk System, are committed to revolutionizing infrastructure inspection with innovative, AI-driven solutions that enhance operational efficiency, improve safety, and reduce costs.

Values

Innovation: Continuous development and technological advancements

Reliability: Precise and accurate data delivery

Safety: Maximizing infrastructure safety

Efficiency: Optimized processes and resource utilization thinking

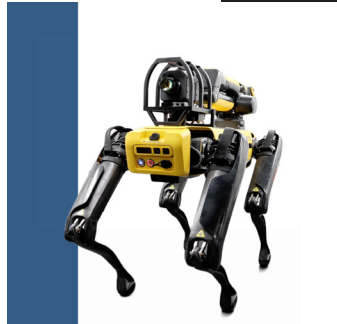
Purpose

Through satellite vegetation management, drone-based data collection, and AI-driven fault detection, we align innovation with environmental and social responsibility.

What We Do

Talamone Group has developed the innovative HAWK System product line, which includes Space HAWK, Rail HAWK, and Grid HAWK, Road HAWK. These cutting-edge solutions cover all aspects of infrastructure inspection, from satellite vegetation management to drone-based data collection and vehicle-mounted camera systems. The HAWK System not only revolutionizes data collection but also enables real-time data processing and analysis, providing unparalleled efficiency and accuracy.

Optimal Gas Imaging Camera models



Highly sensitive "Hot MWIR" focal plane array detector technology
Two different Models: The standard model is designed for integration into handheld, uncrewed/unmanned (UAV's/ drones) and crewed/manned aerial vehicles and ground robotics (quadrupeds, tracked and/or wheeled vehicles). The second model is designed for fixed mounted continuous 24-hour monitoring.

640 x 512 VGA Resolution (4X more resolution than 320 x 256 FPA's) and smaller pixel pitch
Extended life cooler-Standard model rated to 16,000hrs. is rated 24,000+ operating hours.

Optimized Lenses: 25mm (21.7 HFOV x 17.5 VFOV) and 50mm (11.0 HFOV x 8.8 VFOV)
Small Size, Lightweight (542g/1.2 lbs.), Low Power (SWaP)-Every gram counts!)

The Optical Gas Imaging Camera can detect small (~60 g/hr) leaks from several meters away or large leaks from hundreds of meters away. Detection as low as 6g/hr depending on distance, focal length of lens, delta T between gas and background temperatures and environmental conditions such as sun, clouds, wind, rain, fog, sleet and snow.

Detectable Gases:

Acetic Acid
Benzene
Butadiene
Butane
Ethane
Ethylbenzene
Ethylene
Heptane
Hexane
Isoprene
Methyl Ethyl Ketone (MEK)
Methane
Methanol
MIBK
Octane
1-Pentane
Propane
Propylene
Sulphur Dioxide
Toluene
Vinyl Chloride
Xylene



HAVE A QUESTION? CONTACT US

If you have any questions or need guidance about our services, please contact us using one of the contact details below!

Learn more about how we can help you automate your business and achieve your goals.



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but **WHY NOT?**

USA, Canada, South-America, Australia:

TALAMONE Group LLC
Fort Lauderdale, USA
contact@talamonegroup.com
www.talamonegroup.com

Research and Development Centre:

HAWK MACHINE VISION LLP
Vancouver, Canada
contact@talamonegroup.com
www.talamonegroup.com

Europe Division:

HAWK SYSTEM s.r.o.
Levice, Slovakia
contact@hawk-system.com
www.hawk-system.com

