VROC.AI

MISSION NEEDS:

Defence organisations face a shared challenge: sustaining mission-ready assets within complex, data-fragmented environments. Limited asset visibility, ageing platforms, and supply chain pressures continue to drive reactive maintenance, increased lifecycle costs, and reduced availability.

Maintaining readiness requires the ability to unify and operationalise data across OT and IT systems—turning it into actionable intelligence for faster, more informed decisions.

VROC enables this shift by securely integrating disparate data sources and applying advanced AI and ML/Ops to deliver early insight into asset health, system performance, and operational risk. This supports predictive and prescriptive sustainment across:

- **Asset maintenance and reliability**
- **Supply chain and logistics**
- **Base operations and infrastructure**
- **Integrated operational intelligence**

VROC supports Defence in strengthening **digital capability, operational resilience, and mission readiness at scale.**

CAPABILITIES:

- Industrial AI and Machine Learning for decision support
- Intelligent asset management and predictive maintenance
- Remote equipment health monitoring and real-time performance insights
- Failure probability forecasting and anomaly detection across complex systems
- Secure data architecture supporting sovereign and hybrid deployments
- Operational data integration & management with high assurance & resiliency
- Integration across OT and IT systems and legacy infrastructure

ABOUT VROC:

Founded in 2016 and based in Perth, Western Australia, VROC is an industrial technology company specialising in Artificial Intelligence of Things (AIoT). **We deliver software platforms that apply industrial big data and automated machine learning to monitor, analyse, and optimise asset- and process-intensive operations.**

Initially, designed and purpose-built for asset owners and service providers across Oil & Gas, Mining, the Built Environment, and Maritime, **VROC is a true dual-purpose and fully commercialized set of offerings that enable secure data integration, visualisation, automation, and scalable predictive AI.**

VROC's technology extends to Defence sustainment and base operations, **enabling fleet-wide predictive maintenance, performance optimisation, and operational resilience in complex environments**—while minimizing data science overhead and maintaining strong sovereign control.

DIFFERENTIATORS:

VROC delivers operational AI proven in real-world, mission-critical environments. We are differentiated by:

- **Battle-tested in live operations:** Proven across asset-intensive industries enabling earlier risk detection and prioritised decision-making
- **Sovereign and secure by design:** Full control over infrastructure, data, and deployment across on-premise, private cloud, edge, or hybrid environments—with no reliance on external AI platforms
- **Rapid operational deployment:** Seamlessly integrates with existing systems, with AI models deployed to production in minutes—delivering fast time-to-impact without operational disruption
- **Operationally scalable AI:** Designed to scale across assets, sites, and fleets through automated ML pipelines, high-frequency data ingestion, and no-code model development for engineers
- **Low risk, assured outcomes:** Proven, production-ready technology (TRL 9) with secure integration, minimal disruption, and dependable operational outcomes

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WHO ARE VROC CUSTOMERS:

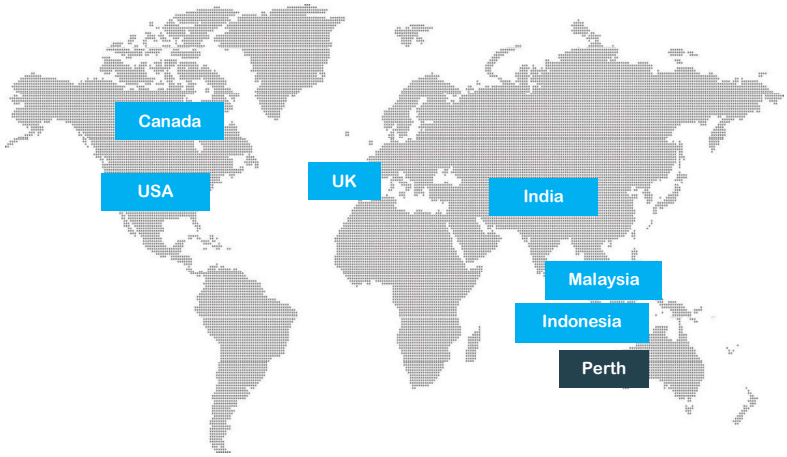
VROC works with asset-intensive organisations supporting complex, distributed operations where asset reliability, operational continuity, safety and performance are critical. This experience translates directly to Defence environments, where equipment readiness, predictive maintenance and asset availability are essential to mission success.

CERTIFICIATIONS:

ISO 45001 · ISO 9001 · ISO 14001 · JOSCAR-AU REGISTERED · SECURED BY SPRINTO SOC 2 · SECURED BY SPRINTO ISO 27001

KEY MARKETS:

Purpose-built for asset owners and service providers across Defence, Energy, Resources, the Built Environment and Maritime sectors.



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