



Who We Are:

Origami Labs was created to discover the **next generation** of artificial intelligence and autonomy technologies. We deliver **applied research and development** and consultancy services, with a focus on rapidly maturing technologies from **Technology Readiness Levels (TRL) 1-7**.

We know that the real world is complex. Prototype systems that work in the lab fail in the field, losing the user's trust and unable to meet regulations. We want to help you realise the value of AI and autonomy on your actual problems, not just in demonstrations. We're trusted by our customers to deliver what we say and help them understand the opportunities and limits of their systems.



Defence



Security



Energy



Transport

Capabilities:

- AI, ML
- Computer Vision & Sensing
- Neurosymbolic Reasoning
- Edge Computing
- Autonomous Systems
- Innovation
- Quantum Computing
- Safety

Work with us

We're always looking for like-minded collaborators; we work academia to deliver value to our customers. We value innovative thinking and diversity of thought; complex problems aren't often solved by off-the-shelf systems. If you have a problem you can't solve, let us help unfold it.

To tangibly improve defence, security, and prosperity through turning innovative research into real world capability.

OUR MISSION



www.origamilabs.co.uk/
hello@origamilabs.co.uk



Sensing the world:

Making sense of the world is at the heart of what we do. Whether you use **light**, **sound**, or other, we can help **find meaning in your data**. We use a combination of **technical expertise**, **classical methods**, and deep learning to provide the context you need to **make decisions at pace**.

We've worked on everything from multiview fusion on next-gen fighter jets to probabilistic vessel identification with sonar. We know when to use neural nets and when a simple filter will suffice. We understand that communications between distributed sensors isn't free and always available. Fundamentally, we get that your when problem isn't simple, your solution can't be off-the-shelf.



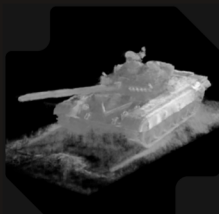
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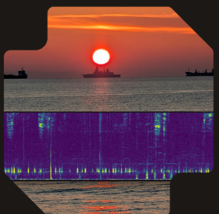
Hyperspectral



Re-Id



Infrared



Sonar

Capabilities:

- EO/IR
- Hyperspectral
- Sonar
- Air, sea, land, space
- Object detection & tracking
- Re-identification
- Natural language descriptions
- Data fusion
- Edge AI

Work with us

We deliver bespoke solutions that provide speed, accuracy, explainability, and flexibility on the edge. We like to work with our customers to understand your needs. We'll join you on trials, get our hands dirty, and work with you to understand what's going wrong. Fundamentally, we give you the intelligence you need to achieve your goals.



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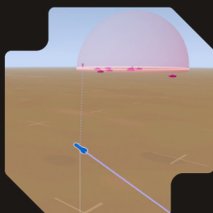
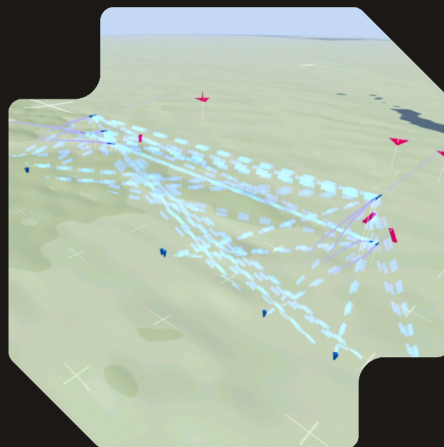
OUR MISSION



Intelligent Asset Optimisation:

Current crewed and piloted systems are fundamentally limited by the number of trained personnel available. FPV drones need a dedicated pilot, reducing their ability to scale. Using **collaborative autonomy** and **edge decision making** we can deliver a **force multiplier** and remove these limits.

We have a rich experience in collaborative autonomous systems, from 6th Gen fighter jet sensor networks to generation-after-next missile technology. We understand that these systems have to operate in the real world with real constraints, and have to be trusted by users. We focus on user trust and regulator acceptance by design, ensuring that you can actually use your high value systems.



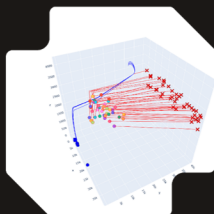
Asset Routing



Distributed Sensors



Dynamic Planning



Swarming

Capabilities:

- Autonomy
- Route Finding
- ISR
- Collaboration
- Simulation
- Distributed Systems
- Robotic and Autonomous Systems
- Edge AI
- Quantum Optimisation

Work with us

To provide state of the art capabilities, we explore new technology to find what works so you don't have to. We use everything from bespoke simulators to quantum optimisers, ensuring that we find the right tool for your problem.

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