UXMachines — autonomous aerial drones, mission planning, and data analytics

AEROphoria — UAV Mission Planning & Analytics Tool

UXMachines Pty Ltd

Company Overview

UXMachines Pty Ltd is a leading software & autonomous aerial drone company serving the defence, mining and agricultural sector. Our vision is using AI to create value and execute drone operations autonomously. We create value and increased efficiency dividend through human machine teaming technologies and intelligent mission planning. UXMachines Pty Ltd commenced operations in Perth, Western Australia in 2019 with the vision to build innovative solutions for aerial drones. Our team has worked successfully on numerous large-scale projects prior UXMachines Pty Ltd with leading European and Australian partners.

AEROphoria – a aerial drone mission planning tool – is our flagship product.

Products

AEROphoria
- Cloud based mission planning software tool

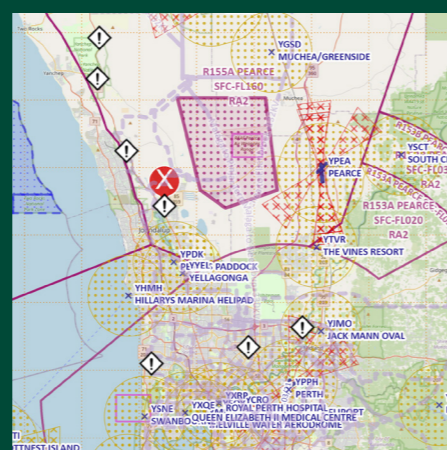### Unmanned Aerial Vehicles (UAVs) & Aerial Robotics
- Autonomous aerial drones
- Swarming solutions
- AI Payloads
- Mission planning tools
- Prototyping of hardware and software
- Data capture, mapping, and digitalisation

Software & Data Analytics
- Embedded systems and flight controllers
- Full stack webapp development
- Data analytics, AI/ML and visualisation
- Mission planning software

Human Factors
- Human-Machine-Teaming
- Human machine teaming technology
- User-experience and interaction design
- Cognitive work analysis
- User Interfaces (UI) designs

aerophoria.com

AEROphoria — UAV Mission Planning & Analytics Tool — **UXMachines**

Discriminators
- Civil Aviation Safety Authority (CASA, Australia) validated aerial drone mission and safety app
- 300+ subscribers to our AEROphoria platform
- Challenge driven team to solve customer problems
- 22+ years in developing large information systems
- CASA authorised commercial drone operations
- Experienced partner network to guarantee outcomes

Availability and Support
- We provide global after sales support through the lifecycle of our products
- Custom solutions require a lead time of 3-6 months

Key Customers
- Defence Science Centre (DSC) Australia
- Multiple SMEs: mobile phone and web apps
- Aerial drone missions for multiple customers
- 3D models, S&R, multispectral, analytics
- Technology and strategy consulting for SMEs
- Universities across Australia

Key Partnerships (Suppliers)
- University Collaborations conducting R&D in autonomous aerial drones and providing internship and work experience for students

Key Partnerships (Consulting)
- Defence Industry Internship and Graduate Scholarship Program (DIIGS)
- CASA drone safety app development program
- Defence Science Centre (DSC) Australia
- Landgate SPUR Location grant program
- Northrop Grumman Australian technology showcase finalist
- DStart Ignite (Department of Defence Australia)

Quality Accreditations and Awards
- Australian Association for Uncrewed Systems (AAUS) accredited operator
- CASA authorised commercial drone operator and CASA ReOC 7399, ARN 834101 for <25kg MTOW drones
- Northrop Grumman Australian technology showcase finalist

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