UXMachines
autonomous aerial drones, mission planning, and data analytics

Software and Autonomous Aerial Drone Company specialising in Mining, Agriculture, and Defence Sectors. Using AI to create value and execute drone operations autonomously. Creating value and increased efficiency dividend through human machine teaming technologies.

D.Start IGNITE — Impact starts here

AAUS — ACCREDITED OPERATOR 2023

Landgate

SPUR Location Grants Recipient 2021 — Supported by DevelopmentWA

Discriminators

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

Customers and Programs

Customers
- Multiple SMEs: mobile phone and web apps
- Aerial drone missions:
  3D models, S&R, multispectral, analytics
- Technology and strategy consulting for SMEs

University Collaborations (e.g. UWA, Murdoch, ECU)
- Research in developing autonomous aerial drones
- Work integrated learning & internships
- Augmented Reality (AR) for medical applications

Programs
- CASA drone safety app development program
- Defense Science Centre (DSC)
- Landgate SPUR Location grant program
- Northrop Grumman Australian showcase finalist
- DStart Ignite (Dept. of Defence Australia) alumni

Capabilities

Unmanned Aerial Vehicles (UAVs) and Aerial Robotics
- Autonomous aerial drones
- UAV prototyping and smart payloads
- Software and hardware for custom UAVs
- Data capture, mapping, digitalisation of assets
- Aerial drone missions

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

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

AEROphoria
- Autonomous aerial drone mission planning software

Quality Accreditations

AAUS accredited operator. CASA authorised commercial drone operator and CASA ReOC 7399, ARN 834101 for <25kg MTOW drones.

Contact

SCAN ME

A/Prof. Dr. Artur Lugmayr
Founder/Director

E: artur@uxmachines.com
M: +61 41 334 9 225
T: +61 86 10 20 30 4

PO Box 1403
1195 Hay Street
6872 West Perth
Western Australia
AUSTRALIA