FINIS SYSTEMS

# Capability Statement

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## COMPANY SNAPSHOT

Headquarters
Sydney, New South Wales

Service area
Australia-wide

Ownership
Australian-owned, independent

Development since
2023

Industry codes (ANZSIC)
2394 · 6923

## SECTORS SERVED

- Fire and emergency management
- Agriculture and pastoral
- Natural resource management
- Forestry and plantations
- Local government
- Search and rescue
- Engineering and research

## TECHNICAL COMPETENCIES

- Multirotor, fixed-wing and VTOL aircraft
- Autopilot and flight control integration
- Thermal and visual imaging
- Machine-learning detection
- CAD, structural and airflow simulation
- Rapid prototyping and small-batch build


## CONTACT

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Finis Systems


PURPOSE-BUILT DRONE SYSTEMS AND ENGINEERING

# Aerial systems that find problems early, across distances people cannot cover.

Finis Systems is a Sydney-based drone engineering company. It designs, builds and supports purpose-built uncrewed aircraft systems for land, emergency and environmental work, and provides engineering services to organisations that develop or operate their own aircraft. Design, manufacture, software, training and support are delivered by one in-house team.

**10+ years**
of hands-on drone engineering across the team

**End to end**
from design to support, delivered by one team

**100%**
Australian-owned and independent

## CORE CAPABILITIES

### Aircraft and payload engineering

Concept-to-production design of airframes, payloads and enclosures, verified in simulation and built as prototypes or small production runs.

### Flight control and autonomy

A proprietary flight control and onboard computing system, custom flight behaviour, and navigation where GPS is degraded or unavailable.

### Detection and data

Machine-learning models that detect fire, smoke and targets of interest in visual and thermal imagery, delivered as maps, reports or live alerts.

### Operations and compliance

Mission design, operations manuals and guidance on CASA approvals, with systems and procedures designed around Part 101 requirements.

## APPLICATIONS

| APPLICATION | TYPICAL CLIENTS | DELIVERABLES |
|---|---|---|
| **Bushfire intelligence** | Fire agencies, national parks, plantation managers, landholders | Confirmed fire location, imagery and fire-edge maps |
| **Pest and wildlife surveys** | NRM groups, Local Land Services, councils, landholders | Mapped detections and population estimates |
| **Remote property patrol** | Pastoral companies, feedlots, large mixed farms | Image log of each patrol and a list of issues |
| **Coastal search and monitoring** IN DEVELOPMENT | Search and rescue organisations, coastal managers | Live detections with position |

## DELIVERY MODELS

### System supply

A purpose-built system with documentation, operator training, warranty and ongoing support.

### Engineering services

Advisory work, fixed-scope projects or an embedded engineer, quoted after a scoping call.

COMING SOON

### Managed flight services

Finis pilots fly the missions and deliver the results.

## SELECTED EXPERIENCE

- **Custom aircraft** designed, built and tuned for private customers over more than ten years.
- **Fire and smoke detection** model trained on public wildfire datasets for aerial imagery.
- **Proprietary flight control** and onboard computing system, flight tested on an in-house airframe.
- **GPS-denied navigation** using onboard sensing, integrated with an open-source autopilot.