

TUATH

SURVEYS & NUÁ

**CAPABILITY**  
STATEMENT

[www.tuath.net.au](http://www.tuath.net.au)

# What we do



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## DRONE WEEDING & SEEDING

(LAND/MINE REHABILITATION, AGRICULTURE & FORESTRY)

TUATH Nua specializes in precision drone spraying for weeding & seeding, helping farmers & land managers improve efficiency, reduce chemical use, and cover challenging terrain with ease.

Using advanced UAV technology, we deliver targeted applications that promote healthier crops and sustainable land management.



## SURVEY CONTROL NETWORKS/LEVELLING

- Establishes and maintains accurate control networks for construction projects.
- Uses precise leveling and GNSS RTK to ensure elevations and positions align with design benchmarks.
- Critical for large-scale projects requiring consistent reference points over time.



## STRUCTURAL/MECHANICAL/PIPING SURVEYS

- Assists in the installation and alignment of steel structures, machinery, and piping systems.
- Uses high-precision total stations and laser scanning for millimeter accuracy.
- Ensures compliance with design specifications, preventing misalignments that could impact functionality.



## UAV SURVEY MAPPING

TUATH Surveys provides high-precision aerial surveying using advanced drone technology, including RTK GPS and 3D modelling.

We help construction, earthworks and agriculture professionals streamline their projects with accurate data for site planning, machine control and survey conformance, ensuring efficiency and compliance.



## EARTHWORKS/MACHINE CONTROL/VOLUMETRIC SURVEYS

- Measures and monitors cut-and-fill volumes for excavation, grading, and site preparation.
- Uses UAV photogrammetry, RTK GPS, and 3D modeling to calculate material movement and ensure project accuracy.
- Assists in stockpile volume assessments and progress tracking.



## CIVILS/CONCRETE SURVEYS

- Provides precise layout and as-built verification for roads, bridges, drainage, and other civil infrastructure.
- Ensures concrete formwork, reinforcement, and finished surfaces meet design tolerances.
- Supports QA/QC processes by validating dimensions and alignments before and after pours.



# How we do it



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# Future Farming & Earthworks, Today



*UAV/Survey services  
you can rely on*

## **Elevation –**

Raising industry standards with Aerial perspective

## **Clarity –**

Precision, high quality data & informed  
decision-making

## **Horizon –**

Vision, growth & expansive aerial perspective on offer

*“At TUATH Surveys/TUATH Nuà, we harness cutting-edge drone technology to revolutionize earthworks, machine control, and agriculture.*

*With precision, efficiency, and innovation, we help shape the land and optimize productivity — delivering smarter solutions from sky to soil.”*

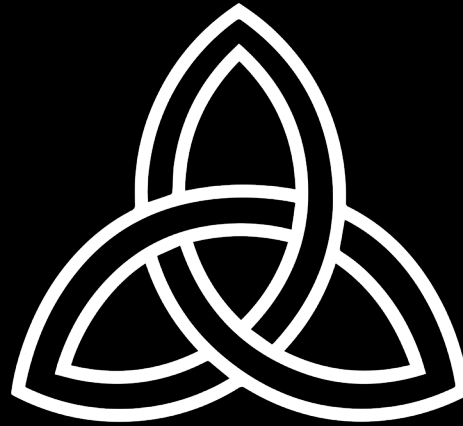
## TUATH Surveys/ TUATH Nuà Director: **Declan Gallagher**

Declan graduated college in Ireland in 1998, where after he worked in the topographical survey/setting out industry, mainly in the Northwest of Ireland, until he emigrated to Australia 2007.

After a brief sabbatical enjoying life on the east coast of Australia, he moved to Perth, Western Australia, and recommenced work back in the Survey industry 2009.

With 13 years plus experience working with some of the best Western Australia survey companies, on some of the most iconic major construction projects in Australia, most notably Barrow Island, Wheatstone, Darwin Inpex & South Flank, he has decided the time is now right to start up his own survey company – TUATH Surveys/TUATH Nuà.





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