

# UT Advanced Training

Advanced ultrasonic thickness inspection using indoor UAV workflows.

**In-person****5 Days****Up to 2****[Info@hitechdrone.net](mailto:Info@hitechdrone.net)****40% / 60%**

## Course Overview

This course accelerates hands-on learning for pilots and operators who perform ultrasonic thickness inspections with indoor inspection drones. It focuses on data interpretation, sensor setup, A-scan understanding, field execution and accurate reporting.

|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| Format            | In-person                                                      |
| Duration          | 5 Days                                                         |
| Participants      | Up to 2                                                        |
| Price             | <a href="mailto:Info@hitechdrone.net">Info@hitechdrone.net</a> |
| Theory / Practice | 40% / 60%                                                      |

## Learning Objectives

- Understand ultrasonic waves and propagation principles.
- Learn how the system constructs and displays the A-scan.
- Interpret A-scans for accurate thickness measurements.
- Build safe workflows for drone-based UT inspection.

## Theory Modules

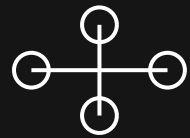
- Ultrasonic testing fundamentals.
- A-scan interpretation and measurement logic.
- Inspection planning and reporting standards.
- Safety controls for indoor and industrial assets.

## Practical Modules

- Adjust probe settings at the right time and in the right way.
- Conduct full UT inspection exercises under expert supervision.
- Use the cockpit interface to refine A-scans and calibrate readings.
- Understand offset errors, first peaks and second peaks.
- Apply flight tips and best practices for optimized inspections.

## Learning Outcomes

- Gain a deeper theoretical understanding of ultrasonic testing.



- Develop practical experience configuring and using UT probes on indoor drones.
- Build confidence in conducting complete drone-assisted UT inspections.

## Registration

For schedules, group enrollment, on-site training, and corporate packages, please contact Hitch Drone through the website contact form or company email. All training is delivered under Hitch Drone branding with third-party remarks, links, screenshots and logos removed.