

Maritime inspections with the Scout 137 drone system

Continous and efficient visual inspection, NDT and digital documentation inside vessels without human entry or battery fire risk.

- REDUCED PORT TURNAROUND TIME
- LOWER INSPECTION COSTS
- REDUCED PERSONNEL EXPOSURE
- IMPROVED MAINTENANCE CONTROL

Supports class surveys, pre-docking and fleet inspections in port or at sea, with minimal disruption to operations.

Bulk carriers

Bulk carriers involve large cargo holds with extensive surface areas, some requiring frequent inspection between cargo changes.

Traditional methods are time-consuming and often require staging or personnel entry.

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| <ul style="list-style-type: none"> HATCH COVERS AND COAMINGS BALLAST TANKS DOUBLE BOTTOM TANKS VOID SPACES | <ul style="list-style-type: none"> BULKHEADS AND STIFFENERS FOREPEAK AND AFTPEAK TANKS CARGO HOLDS (CORROSION, COATING, STRUCTURE) |
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The Scout 137 enables inspection of large internal structures with unlimited flight time and no human entry, improving efficiency and coverage.

General cargo

Flexible inspection across varied cargo configurations and structural layouts.

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| <ul style="list-style-type: none"> CARGO HOLDS ACROSS VARYING CONFIGURATIONS BALLAST TANKS AND DOUBLE BOTTOM VOID SPACES AND CONFINED COMPARTMENTS | <ul style="list-style-type: none"> STRUCTURAL ELEMENTS INCLUDING TWEEN DECKS AND HATCH COVERS |
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Drone-based inspection enables fast deployment and consistent documentation across different layouts, without adding complexity to operations.

Oil tankers

Oil tankers involve large enclosed cargo and ballast tanks where safety and access are critical.

The Scout 137 enables inspection of large tank structures without human entry or onboard battery fire risk.

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| <ul style="list-style-type: none"> CARGO TANKS SLOP TANKS BALLAST TANKS | <ul style="list-style-type: none"> DOUBLE BOTTOM AND WING TANKS PUMP ROOM COFFERDAMS AND VOID SPACES |
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Continuous inspection allows full coverage with minimal disruption. Unique payload allows cleaning and structural thickness measurements in one go.

Chemical tankers

Access is limited, and inspection quality is critical

Chemical tankers involve smaller, more complex tank geometries and sensitive coating systems

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| <ul style="list-style-type: none"> CARGO TANKS SLOP TANKS BALLAST TANKS DOUBLE BOTTOM AND WING TANKS | <ul style="list-style-type: none"> PUMP ROOM COFFERDAMS AND VOID SPACES COATING SENSITIVE AREAS |
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The Scout 137 provides 4K High-resolution visual data. Optical zoom capability further supports assessment of coating condition and hard-to-access areas.

Class surveys and inspection reporting

Inspection workflows aligned with class requirements and reporting standards.

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| <ul style="list-style-type: none"> SUPPORTING CLASS SURVEYS, PRE-DOCKING AND FLEET INSPECTIONS INSPECTIONS COMPLETED WITHOUT HUMAN ENTRY REMOTE VERIFICATION WITH REDUCED ATTENDANCE ONBOARD AND IN PORT |
| <ul style="list-style-type: none"> FROM INSPECTION TO APPROVED REPORT |
| <ul style="list-style-type: none"> ISO 9001, 27001 COMPLIANCE & CE CERTIFICATION |



Summary



SAFER INSPECTIONS

- Enables remote surveys, reducing the need for human entry.
- No battery fire risk
- Reduced operational risk and setup time



LOWER OPERATIONAL COST

- Reduced personnel involvement
- Fewer interruptions
- Reduced logistics and accomodation



LESS TIME IN PORT

- Inspection possible in port and at sea
- Reduced turnaround time
- Assisted and repeatable inspection workflows



APPROVED BY CLASS SOCIETIES

- Compliant with Approval of Service Suppliers for RIT
- Remote verification with reduced attendance from inspection to Aligned
- Aligned with risk-based inspection and data-driven verification workflows.

Contact us

Don't hesitate to contact us to discuss your use case. Reach out to ScoutDI headquarters directly or scan the QR code to **find your nearest distributor**.

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