

Remote Inspection Systems

Available as off-the-shelf or customised assemblies. Specialised remote operation systems incorporate camera and non-destructive testing equipment.



Workers positioning purpose built tool for the inspection of tubular offshore structure.

- ⊕ Standard systems with cable lengths up to 100 metres
- ⊕ Self-propelling systems with extended cable lengths up to 500 metres
- ⊕ Operable in wet or dry environments
- ⊕ Small aperture camera access
- ⊕ Applications include vessels, boilers, pipelines, tanks, risers, subsea structures
- ⊕ Design service for tooling/special applications
- ⊕ Portable, rugged designs for reliable inspection results.

Remote visual inspection using cameras or optical viewing instruments

Applications

Offshore

Internal/external inspection of risers, caissons, tubular structures, hulls, hoses, process equipment, flare stacks, piping

Onshore

Boiler tubes, steam piping, turbine shafts, pressure vessels, ducting, pipelines, deep waterwells, heat exchangers, condensers.

Remote application NDT equipment

- ⊕ Ultrasonic B-Scan with 100 m subsea probe cable
- ⊕ Eddy current crack detection with 100 m subsea probe cable
- ⊕ A-Scan ultrasonic unit in submersible housing
- ⊕ Rope access application of TOFD, C-Scan, B-Scan and eddy current testing
- ⊕ Custom made subsea equipment.

Combination camera and NDT systems

Combining a camera system with an NDT technique provides solutions to many difficult inspection problems. Remote operated vehicles can position an inspection tool via suitable camera/lighting systems. This enables monitoring of the tool's position and performance and ensures that the equipment passes obstructions. The cameras also collect information on corrosion, cracking, wear, coating condition, process build-up, and marine growth. This information, when combined with radiography, ultrasonics, eddy current, magnetic particle and magnetic flux tests, provides a detailed and comprehensive assessment of a component's condition.

Applus RTD has the equipment and experience to provide the answers to your remote inspection problems.

Inspection and VCR recording of plant piping

