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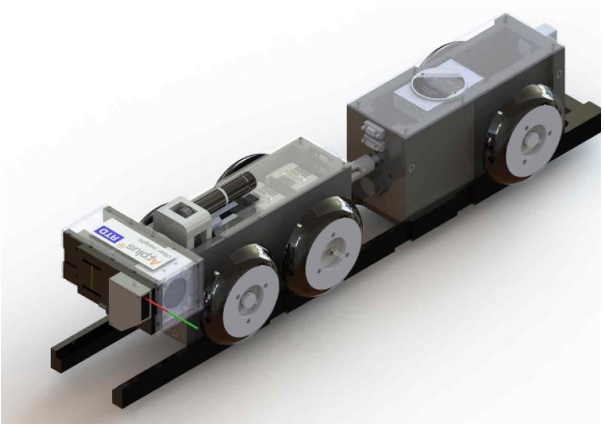
# Remote Visual Tank and Pipeline Inspection

Remote visual inspections (RVI) for storage tanks and pipelines are typically used to complement other inspection techniques or where internal access is restricted. To assist asset-integrity-management programmes, remote visual inspections support routine and corrective integrity-management works and engineering investigations.



THE Applus+ SOLUTION

For over 75 years, Applus+ has been a trusted partner by providing customers with clear in-site data via its high-tech remote and visual NDT services. Working closely with our clients provides a full understanding of their requirements, allowing Applus+ to tailor the NDT inspection solution to the client´s specific needs.

Applus+, with its own Application Centre, can custom-build specialised robotic tooling for a particular inspection project, adding value to the services we offer whilst helping the client to reduce costs.

For storage tank and piping inspections, we offer numerous specialist RVI systems, including unmanned aerial vehicles (UAVs); semi-automated multi-purpose crawlers; ultra-high-definition camera systems; and close visual inspection systems.

Applus+ has numerous patents dating back to 1940 – a testament to our commitment to research and development in the field of non-destructive testing.

## Target customers

Internal and remote visual inspection systems are prime inspection tools when planning of outage and maintenance schedules in many areas of industry.

Remote visual inspections may be required for limited or inaccessible areas, pre- and post-shutdown activities, verifying repair completion, confirming breakdowns, undertaking routine or corrective maintenance works and engineering investigations.

Remote visual inspections can be used in boilers, tanks, piping, culverts, drains, fuel and product pipelines, water pipelines, ballast tanks, risers, caissons, conductors and in any area where access is limited or not possible.

## Key customer benefits

Advantages of using  remote inspection tooling systems from Applus+ include:

- Improved safety through eliminating the need for confined-space entry
- Cost savings compared to human entry
- Significant time/efficiency savings
- No costly scaffolding requirements
- Reduced downtime of plant
- Ability to inspect areas where human access is impractical or impossible
- Ultra high-definition footage for visual inspection
- Detailed corrosion mapping of surface areas
- Ultra high-definition of weld misalignments