

Remote Visual Inspection Services



While vision may be the most acute of human senses, there is a limit to what our eyes can see. Unless a material is transparent like glass, we cannot see what lies behind it. In the field of nondestructive examination (NDE), there are situations where it is useful to look deep inside engines, gas turbines, machinery, behind walls, inside pipes and tanks, and into similar places where access is limited. Remote visual inspection (RVI) is a nondestructive technique that permits a user to visually inspect an area that has no direct visual access. In RVI, a slim and often flexible viewing device, commonly referred to as a "scope," is inserted into the inspection area through a small opening providing an image for the operator to examine. Like all NDE tools, RVI allows an inspector to discover hidden defects before they cause major problems.

Applications Include:

- Gas turbine and steam turbine periodic, remaining life, predictive Assessment.
- Electrical generators & transformers
- Sanitary piping & tubing
- Boiler water piping & components
- Nuclear reactor heads, reactor coolant pumps, demineralizers, containment structure, & other components
- Piping systems such as service water, fire protection, oil, coal handling,

Scope of Assessment

- * **Life Assessment**
- * **Periodic Assessment**
- * **Integrity Assessment**
- * **Failure Assessment**
- * **Predictive Assessment**

Conclusion *Remote Visual inspection ensure:*

- * RVI delivers the tremendous potential of true video-based technology to a much wider range of customers.
- * Highly beneficial for all types of Condition monitoring..

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