

FITNESS FOR SERVICE & REMNANT LIFE

No matter how well a component or part has been manufactured, overtime it will naturally degrade and eventually fail. Most products of this nature come with a minimum safe operating life span stated by the manufacturer, but this can and will change depending primarily on operating conditions (temperatures, chemicals, environment, loads etc.). In order to achieve the maximum life out of a component, without compromising safety or reliability, operators need to have a clear understanding of residual life.

Inspecta International is able to undertake a complete assessment of a system to evaluate how long individual components can safely remain in situ, making the decision process to “run”, “replace” or “repair” easier for operators.

RLA, when correctly applied, not only provides an accurate assessment of residual life (based on existing and future operating conditions), but also allows for more effective maintenance planning so resources are not wasted and time and money can be allocated to those components as necessary.

To carry out an RLA, Inspecta International gathers data from a number of sources; manufacturers design specifications, operating statistics, maintenance history, NDT. Computer modeling then allows us to accurately predict residual life and identify those components that need immediate attention.

Using *Integri-Tech FFS* technology, Inspecta International offers the most powerful approach to FFS and can provide all levels of assessment, from a one-off program to periodic monitoring, all in accordance with applicable Codes. All defect mechanisms can be included, along with any combination of loadings (not just pressure) to determine an accurate Integrity status. For example corrosion, vibration and FPSO motion plus process cycles of pressure & temperature can be included in a single assessment.

Using this technology, we are able to offer the only continuous Remote FFS monitoring technology in the world, integrity assessments are available in real time and inspectors are able to quantify integrity and accurately predict remaining life.

Furthermore FFS can be used to evaluate and re-rate pressure vessels, piping and storage tanks. *Should you require further information regarding our FFS and RLA services, please contact Inspecta International by emailing technical@inspectagroup.org, or contact your local office who will be happy to answer any queries www.inspectagroup.org*



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