



RISK BASED Inspection

AMCO provides Risk-Based Inspection services to refineries, oil & gas processing, petrochemical and power plants. Our RBI programme is designed to both qualitative and quantitative criteria and is based on the American Petroleum Institute RP 580/581 inspection methodologies.

Risk Based Inspection (RBI) is an Optimal maintenance business process used to examine equipment such as pressure vessels, heat exchangers and piping in industrial plants. It examines the Health, Safety and Environment (HSE) and business risk of 'active' and 'potential' Damage Mechanisms (DMs) to assess and rank failure probability and consequence.

This ranking is used to optimize inspection intervals based on site-acceptable risk levels and operating limits, while mitigating risks as appropriate. RBI analysis can be qualitative, quantitative or semi-quantitative in nature.

We at AMCO assists our clients to select cost effective and appropriate maintenance and inspection tasks and techniques, to minimize efforts and cost, to shift from a reactive to a proactive maintenance regime, to produce an auditable system, to give an agreed "operating window", and to implement a risk management tool.

AMCO can also develop a procedure for RBI or RBM, required for Oil & Gas, Petrochemical, Fertilizer and Power Industry.

If you need our RBI Services, please do not hesitate to contact us.

