

Risk Based Inspection (RBI)



The situation is almost always the same in industrial plants. What tend to be "uncritical" equipment and apparatuses are inspected too often, while heavily used components are kept running as long as possible to reduce cost levels - meaning an unexpected failure of the system is only a matter of time.

What should be done to avoid downtime and at the same time reduce costs? Questions that need to be clarified: Where are the weak points? Which areas are technically at risk? Are there any custom solutions for maintenance and inspections? Which software-based maintenance systems can be put to increased use to reduce costs?

The result of the RBI (risk based inspection) and RCM-based studies is a strategy, following the implementation of which the operating risks are reduced and the reliability of a plant can be sustainably increased.

Inspections and maintenance are a cost burden on any industrial facility. We support our partners in Germany and abroad with risk-based inspection plans for static equipment in order to optimise their plants. For dynamic equipment RCM (reliability centred maintenance) is used, which can produce low-cost maintenance plans for the dynamic equipment. The result: The productivity of plants increases, the downtime - and hence the cost - decreases.

The RBI inspection method is used in pressure equipment, piping, tanks, boilers, and various control and safety valves used. For active components such as turbines, pumps, compressors, and control centres, RCM is used.

TÜV NORD - Making our world safer.

Our Services

- We perform risk-based inspections with any software, inspect pressure equipment and piping, and determine inspection intervals
- We advise you in implementing RCM (reliability centered maintenance)
- We create master plans, for example, for organisations that comply with all relevant laws and for asset management

The benefit to you:

- Comprehensive analysis and assessment of risks
- Avoidance of unnecessary consequential costs by involving experts at the planning stage already

Our expertise:

- Competent and experienced experts
- High degree of flexibility
- Worldwide network
- Independence and neutrality
- Competence recognised by approval bodies

We look forward to sharing our expertise with you.
Why not contact us?

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