



Industrie Service

Choose certainty.
Add value.

Failure analysis and optimisation of maintenance strategies

Industrial valves

Defects in industrial valves can adversely affect the availability of industrial plants. Regular inspections and customised diagnostic systems help to prevent defects. If defects in valves occur in spite of these measures, experts can determine the causes of these defects by means of appropriate analysis and can identify preventive actions to avoid these defects in the future.

TÜV SÜD services

The industrial valve professionals at TÜV SÜD provide expert and impartial assistance, contributing their long-standing international experience in the areas of inspection, valve diagnostics and failure analysis.

After analysing the damage by carrying out non-destructive testing on site or with the help of various diagnostic procedures, we determine the cause of the damage. In this context, we also consider the plant or product-specific characteristics and the special operating conditions in our analysis. Following root-cause analysis, the experts check whether the damage mechanism also applies to other plant

components and develop cost-efficient optimisation measures where necessary.

As expert engineers we have wide-ranging experience with a large variety of damage mechanism and the know-how required for targeted analysis.

Our services cover:

- Valve inspection, VT, MT, PT, measurements etc.
- Integrated function testing, real power and current measurement etc.
- Function analysis, strength analysis and fatigue analysis
- Fracture mechanics analysis
- Chemical analysis
- Third-party damage assessment, also as expert witness
- Development of efficient optimisation measures for components
- Optimisation of your maintenance scheme and inventory management for spares and wear parts
- Creation, optimisation and administration of structured maintenance reports

Your benefits

- ▶ Slashed maintenance costs
- ▶ Increased plant availability and improved reliability of your valves
- ▶ Impartial, third-party assessment
- ▶ Selection of ideal diagnostic systems and analysis methods
- ▶ Single point of contact

**We will be happy to advise you in more detail. Contact us.
We operate internationally.**

