



Industrie Service

**Choose certainty.
Add value.**

The inspection scheme tailored to remaining life assessment – “gAte4optimisation”

Planning, realisation and operation of process plants are subject to a host of framework conditions. Guidance is provided by the relevant standards and directives.

Conventional inspections based on these standards are selective – that is to say, they map only the current condition of a plant. With this approach, forecast of long-term plant performance is rendered next to impossible – yet forecasting is the key to cost minimisation. This is where our gAte strategy comes in.

gAte is a sophisticated inspection strategy developed by engineers and tailored precisely to your plant, for which we pinpoint the most useful inspection procedures in each case.

Our test procedures include:

- X-ray testing
- Ultrasound testing
- Eddy current testing and/or MTP
- Endoscope surveys
- On-site, non-destructive metallography
- Thermography
- Measurement of creep deformation

These methods allow us to identify weaknesses before they result in unscheduled downtime of your process plants.

We will be happy to explain our gAte approach in a personal appointment. Call us or send us a fax or e-mail. We will reply immediately.

TÜV SÜD. Choose certainty. Add value.

TÜV SÜD Industrie Service GmbH

TÜV®



Industrie Service



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“gAte4optimisation” pays off right from the first prevention of unscheduled downtime.

For your company, each unscheduled downtime involves: a loss in production and a drop in sales revenues and return...

To avoid these negative consequences, you need to have information about your plant's current and future state of repair.

gAte stands for an integrated approach in plant engineering. The gAte approach starts at a significantly earlier stage than conventional inspections according to directives and standards.

Your benefits offered by gAte:

- ▶ You optimise plant availability
- ▶ You mobilise safety and performance reserves
- ▶ You ensure a consistently high level of quality
- ▶ You gain planning certainty

Rely on the long-standing experience, expertise, impartiality and certainty offered by a strong partner: TÜV SÜD.

4 steps towards plant safety with gAte

Steps	Your benefits:
1 Development of plant-specific inspection schemes (test tailoring)	<ul style="list-style-type: none"> ▶ Cost optimisation ▶ Higher planning certainty ▶ Optimised revision cycles
2 Coordination and alignment of all periodic inspections	<ul style="list-style-type: none"> ▶ Prevention of avoidable faults and failures ▶ Early fault detection ▶ Reliable and safe plant operation
3 Non-destructive testing	<ul style="list-style-type: none"> ▶ Reliable and safe plant operation ▶ Long-term planning of rehabilitation measures
4 Assessment and optimisation of the remaining service life, taking plant design and layout and actual operating conditions into account	<ul style="list-style-type: none"> ▶ Increased plant availability ▶ Minimised maintenance costs

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