

Assessment for thermal oxidizers



An expert check for your installation



Technologies · Systems · Solutions

We assess the potential of your installation!

Dürr is a world market leader in industrial air pollution control and, as such, has the full range of related process knowledge and incorporates the goals of sustainability.

Air pollution control systems very often are highly sophisticated systems that sometimes abate explosive air or gases, or, include equipment such as a combustion unit, heat recovery unit, flue gas scrubber, DeNOx system, etc. Their function and safety equipment are controlled by tailor made application programs.

From our experience we know that an installation needs to be checked properly and thoroughly by experts to be able to consistently achieve the defined operational targets. In doing so, all areas of an installation are studied both individually and as a whole, taking into account the installation's age and customer specific objectives.

Our customers' requirements are set out below:

- Ensure VOC, NOx, CO and dust emissions comply with local environmental standards
- Enhance plant safety
- Check safety features for compliance with state-of-the-art standards
- Include new pollutant laden streams
- Determine the opportunities for energy savings
- Identify problem areas and the solutions for improvement



Assessment work flow:

- Dürr specialists visit customer
- Customer provides information
- Inspect the site together
- Check all relevant structures and processes
- Monitor ongoing operation
- Record problem areas, collect all information required
- Assess the installation's condition on the basis of the goals defined and benchmark parameters
- Identify the key problem areas and work out proposals how best to make improvements

Customer input

- Provide all information available (process data, layouts, flow diagrams)
- Indicate problems and faults
- Define study fields, goals and priorities

Assessment

- Inspect the site together
- Identify problem areas
- Work out proposals for plant improvement

Evaluation

- Review processes
- Summarize and analyze the findings
- Consider all relevant standards and directives as provided by law

A solid basis for making an action plan

Evaluation

A management summary clearly outlines all findings and provides a quick overview of the critical points of an installation. A comprehensive and detailed documentation of findings on all the issues and processes studied will provide a good basis for your future decisions – be it replace, repair, modify or revamp.

Immediate action	Potential action
To be implemented immediately	To be implemented in the medium or long term
Focus: replace/repair	Focus: modify/revamp
Case by case assessment	Holistic approach

Typical References:

- DSM Linz, Austria
- Lanxess Krefeld, Germany
- Bayer Caojing, China
- Ciba Monthey, Switzerland
- Syngenta Monthey, Switzerland
- Roche Mannheim, Germany
- Paramo Pardubice, Czech Republic
- GM Opel Zaragoza, Spain
- Forbo-Novilon Coevorden, Netherlands



Dürr experts thoroughly study all processes and areas of your installation

Dürr – your implementation partner

On the basis of the findings available, the question needs to be asked how to select an appropriate action to ensure long term, continuous plant operation on a cost effective and a sustainable basis. At this stage, Dürr is able to make available all our market and technology knowledge.

We are a world-leading equipment supplier with a service team operating internationally, so during the next stage of detail engineering and implementation of your action plan, Dürr provides a reliable partner having a proven track record spanning some 35 years. ■■■■■

Dürr assessments provide the following benefits

- Expert and benchmark knowledge for your exhaust air purification system
- Assessment focus can be selected to closely match your operational objectives
- Deep level of knowledge of plant status
- Structured listing of immediate and potential action
- Precise statements for investment planning

Report

- Management summary
- Detailed documentation
- Immediate and potential action
- Investment plan and schedule

Study, assess and enhance

Assessment for thermal oxidizers

Your benefits:

- Expert analysis and best practice knowledge for your installation, based on an individually tailored assessment of your plant
- Thorough understanding and documentation of the installation's hazards and potential
- Selected action for immediate implementation
- Precise information basis for deciding on future capital spending to sustainably reduce operating costs
- Information basis for upgrading and retrofitting your installation to accommodate changed operating parameters
- Increase uptime reliability

Environmental and Energy Systems

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