

ENGINEERING  
YOUR SPRAY SOLUTION



# »» COMMISSIONING, ONLINE SERVICE AND ONLINE SUPPORT

The all-round carefree package  
for VarioCool and VarioClean injection systems

PROCESS TECHNOLOGY



# Worldwide service from a single source

## From Europe's no. 1

As a plant builder or operator, you know that time is money if a gas cooling and conditioning system is to be commissioned on schedule after installation or modernization. This is where Lechler's worldwide commissioning service comes in. It helps you to minimize the time and cost of commissioning.

### Reliable service from a single source is part of our offer

Our experienced engineers will not only guide you through the design of a customized VarioCool gas cooling or VarioClean gas conditioning system, but will also assist you with commissioning and an optimal start of operation after delivery and installation of the system. Of course, we will also support you with future questions regarding maintenance and any problems that may arise. It is not without reason that Lechler is the no. 1 nozzle manufacturer in Europe – a key factor in this success is our professional service. Benefit from the many years of experience of our specialists for process engineering equipment in the field of process technology and from their knowledge in dealing with complex injection systems.

**Exploit the full performance of your plant with the support of our engineers or service technicians during commissioning of the injection system – this creates optimum conditions for safe and trouble-free operation of your plant.**



### How does on-site commissioning by Lechler work?

In order to create optimum conditions for successful and effective commissioning, you will receive a checklist in advance listing all mechanical and electrical activities that must be completed before the start of commissioning.

Based on our experience, we prepare a proposal for a schedule, at which time which activity is carried out and when which specialist personnel is required on site. In a preliminary meeting with all responsible persons, the commissioning procedure is determined and the current status of preparations and open issues are clarified.

The individual steps for commissioning the injection system are then carried out in compliance with all operating and safety regulations. During the spray test, the entire control range of the injection system is checked. Special emphasis is placed on the operating points agreed for the current project. Safety-relevant interlocks are simulated and tested to avoid damage to components and critical conditions for the process.

An important element of our commissioning is the detailed training of the operating and maintenance personnel regarding the function and maintenance of the injection system. The training is based on the operating manuals supplied by Lechler for the nozzle lances and important key components of the injection system.

Proper commissioning of the plant is important to reduce costs and ensure safe, successful operation and optimum performance.



### **Advantages of on-site commissioning**

- On site, Lechler engineers and service technicians have a direct overview of the entire plant. The function and interaction of individual components can be checked more easily and their settings verified. Troubleshooting is thus possible in a more targeted manner.
- The training of the personnel (maintenance, electricians, control station) can be carried out directly at the plant. Practical activities such as assembly and disassembly of components are also carried out by the training participants. This creates the best conditions for future maintenance work.
- Troubleshooting is highly efficient thanks to many years of commissioning experience.

# » Worldwide online service and online support

## Reliable and professional

### **Lechler Online Service: Cost and time saving**

The online execution of a commissioning or a service call is an economical alternative to a commissioning in presence.

Procedure corresponding to an on-site commissioning

- Worldwide independent of any travel restrictions
- Can be implemented at short notice and regardless of location
- Saving of travel costs and working hours (no waiting times)
- Fast, uncomplicated accessibility
- Audio-visual communication via Zoom, Microsoft Teams, Apple FaceTime etc.

### **Commissioning – online and remote**

With Lechler Online Support, commissioning runs hand in hand with your specialist personnel on site. Using video conferencing, our engineers and service technicians from Metzingen can virtually look over the fitters' shoulders and instruct them live with detailed instructions. We accompany them step by step to a successful commissioning based on Lechler's experience with comparable installations.

If a Lechler SmartControl control system is included in the scope of delivery of the injection system, there is the possibility of online support via a communication interface between Lechler and the customer's plant. Our engineers and service technicians can then connect to the control panel on site and have an overall view of the complete injection system via the visualization. Remote access to the control system allows errors to be detected in real time, analyzed, and advice given on how to rectify them.

The involvement of the expert personnel on site is a clear added value if there should occur a malfunction later on. The commissioning experience will certainly help them in future fault analyses.

At the end of commissioning, a video conference is held for extensive training of the operating personnel regarding the operation and maintenance of the single-pass system.

Only when everything is running to your satisfaction is our job finished – for the time being. Of course, we are also available for service visits to maintain your single-circuit system and for spare parts deliveries.



### **Talk to us**

Contact us for your individual offer. We will be happy to provide you with an offer for commissioning tailored to your needs as well as a concept for service and maintenance. Take advantage of Lechler's know-how for the complete lifetime of your plant.



## Advantages of the maintenance service

Our preventive maintenance service enables trouble-free operation.

- Review of operation and optimal adjustment of the injection system to process-specific needs.
- Installation of spare parts.
- Our trained specialists detect faults at an early stage. For example, unusual behavior at the plant is directly perceived, analyzed and interpreted.
- Possibilities for troubleshooting and optimization are discussed with the customer on site.
- If necessary, maintenance personnel can be trained again on topics such as nozzle assembly, handling of nozzle lances, maintenance work etc.
- Unscheduled plant shutdowns can be avoided by regular inspection as well as professional maintenance.

# Support for process technology Supplementary services

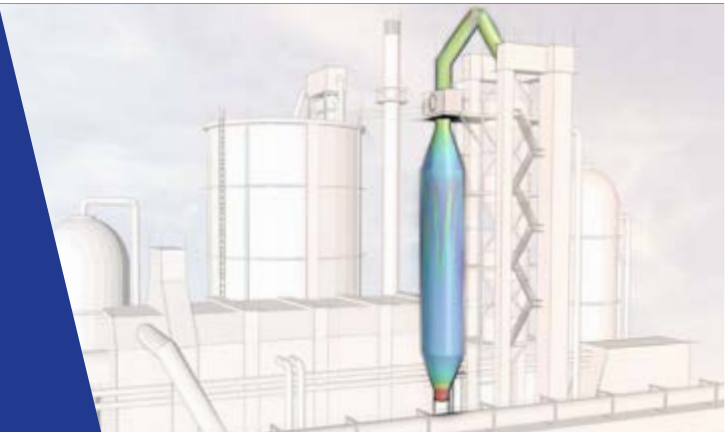
## Engineering Services

Our experience for your success. With our experienced engineering team, you always have a competent contact person for your project – from technical design and detailed engineering to commissioning and the replacement of spare and wear parts.



## Fluid Dynamics Process Simulations

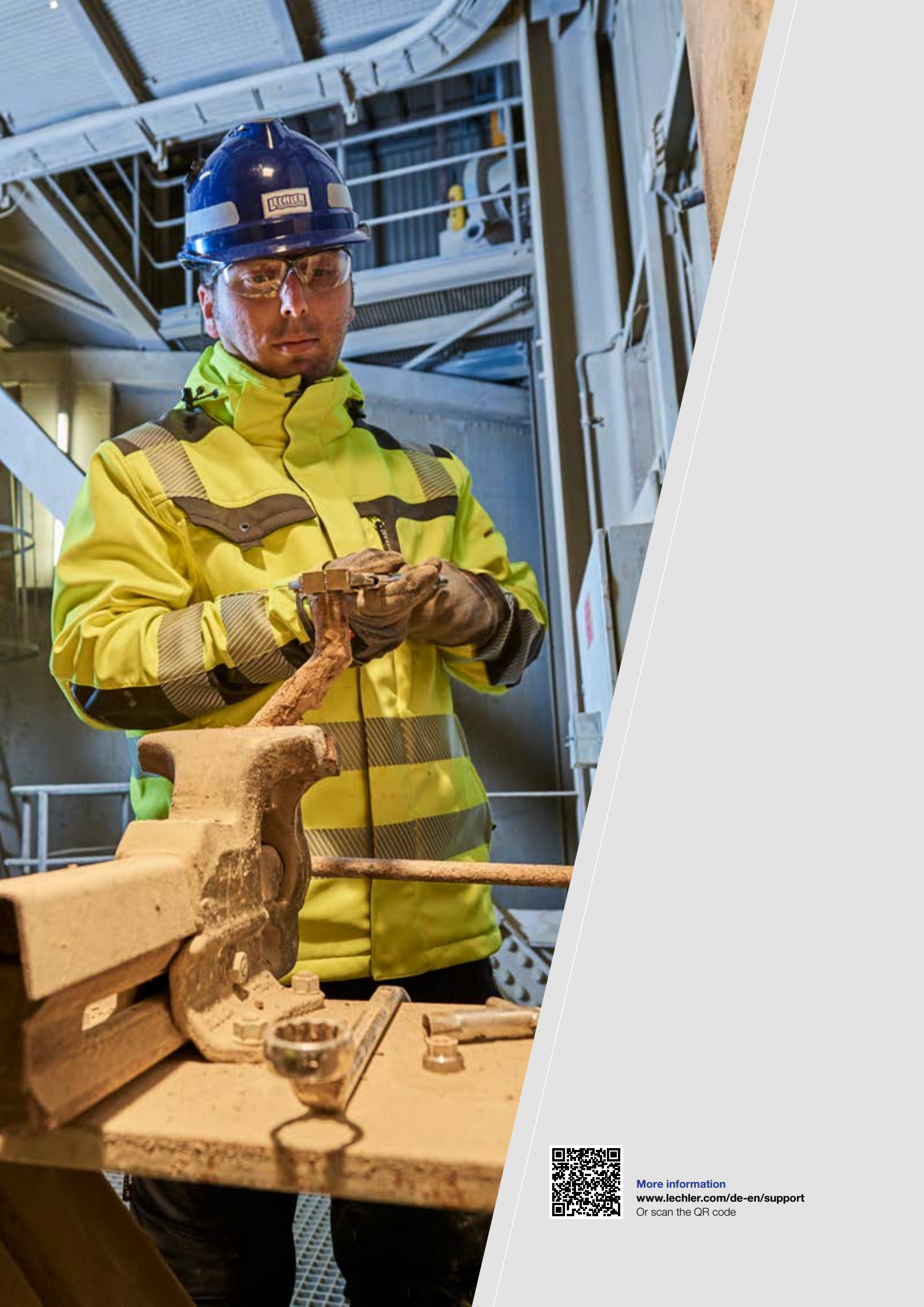
CFD-supported process analyses reveal optimization potential. This helps you avoid inefficient operation, wet floors and walls, or caking.



## Measurement

We use high-precision spray measurements and analyses not only for our own nozzle developments, but also offer them as a service.





More information  
[www.lechler.com/de-en/support](http://www.lechler.com/de-en/support)  
Or scan the QR code

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