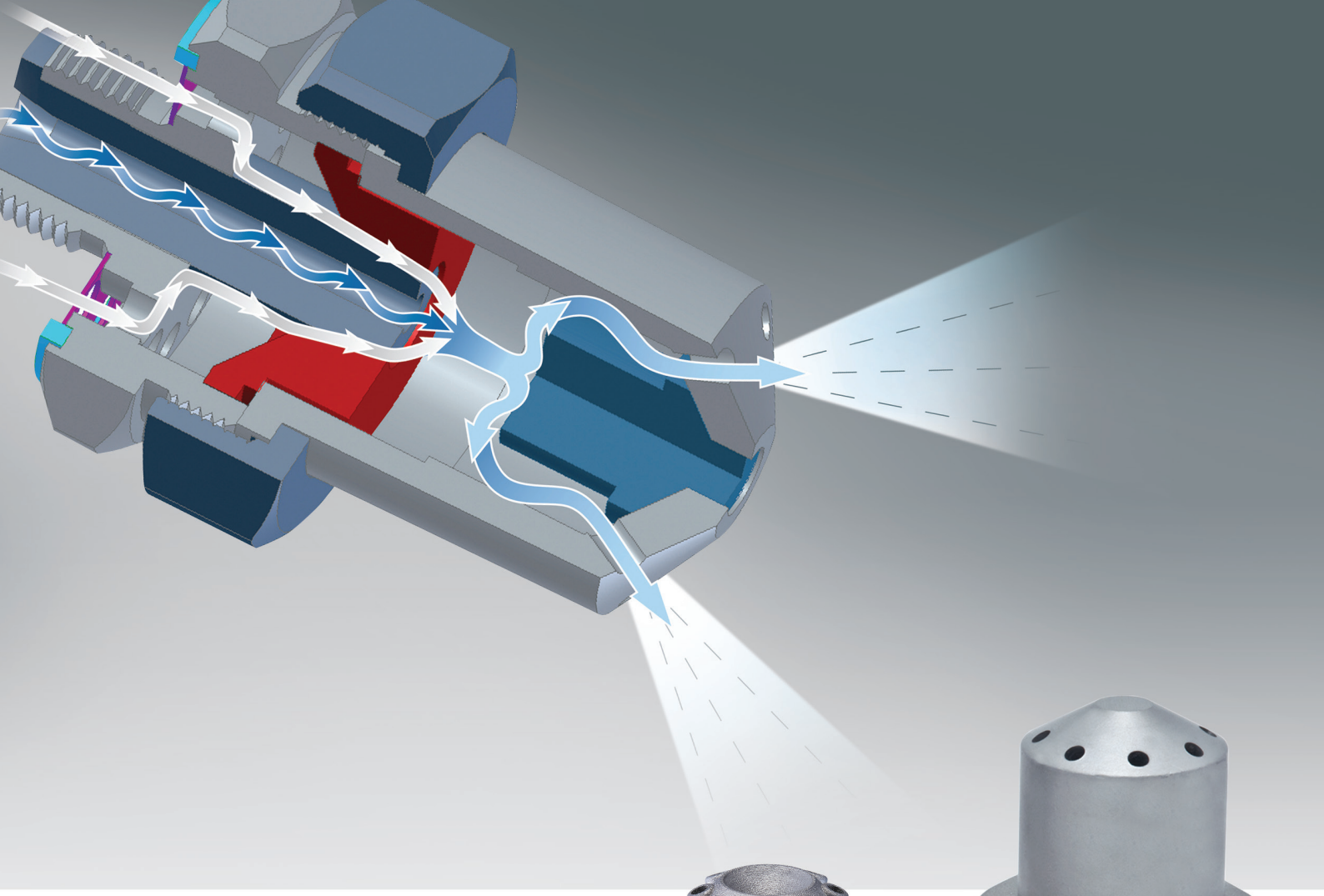
GAS COOLING SOLUTIONS

RELIABLE AND RESPONSIVE TEMPERATURE CONTROL

Spraying Systems Co.®
Experts in Spray Technology



Key Features:

- Low energy consumption
- Low maintenance
- Fast reaction to changing process conditions
- Integrates into existing process controls
- **One project partner from feasibility studies (CFD) to commissioning**

AutoJet® Solution

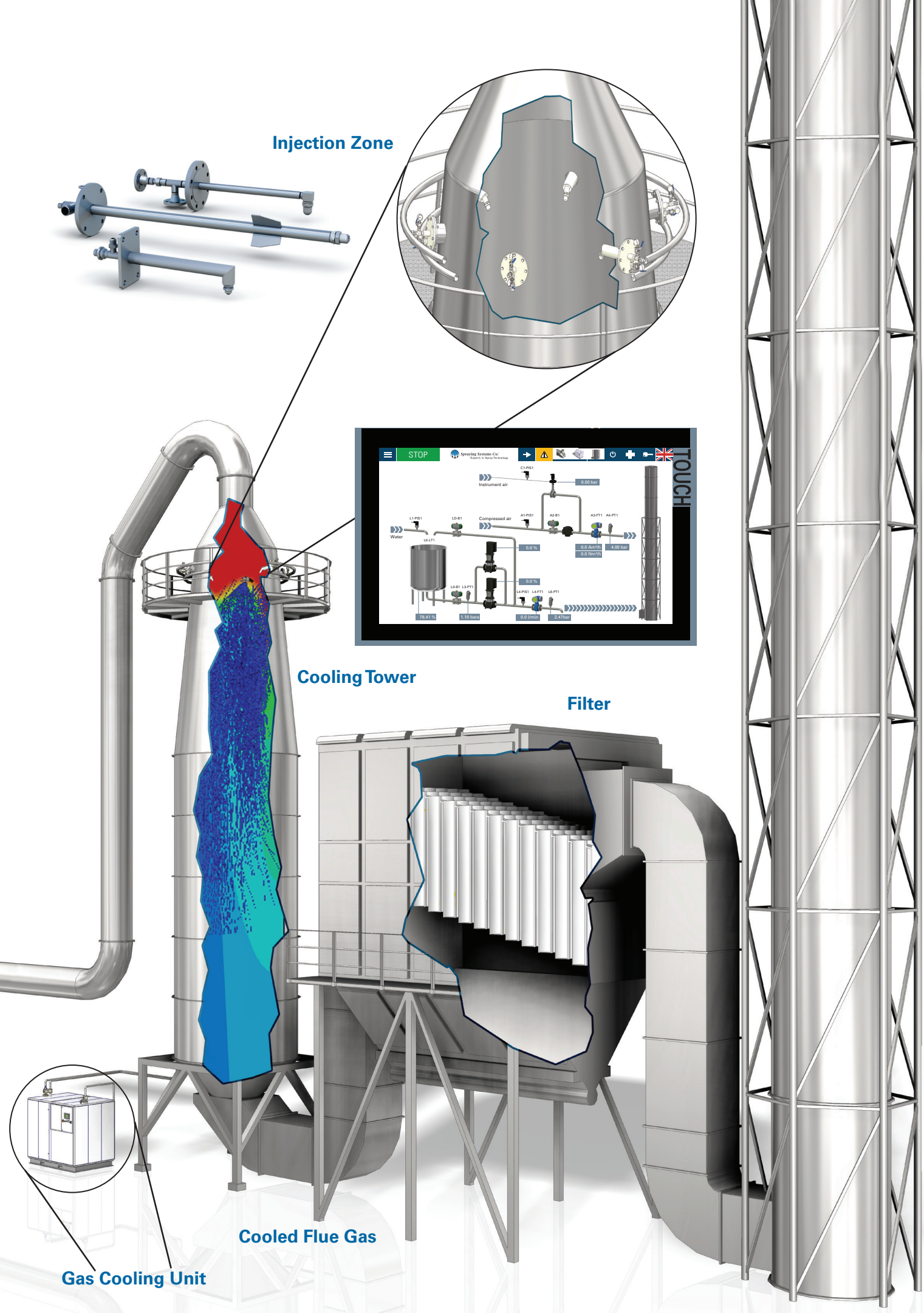
- Closed-loop temperature control for constant outlet temperature
- System integrity check to detect clogged or worn spray nozzles
- Double components for failure backup
- Optimized atomizing gas regulation

FloMax® Nozzles*

State of the art spray nozzles for gas cooling

- Maximizing nozzle perfomance:
  - Small droplet size
  - Maximum free passage
  - High turn-down ratio operated with compressed air

* Compressed air can be replaced with steam by using the SteamMax® nozzles.


Injection Zone
STOP
TOUCH
Instrument air
Compressed air
Water
Cooling Tower
Filter
Cooled Flue Gas
Gas Cooling Unit

IDEAL FOR

- Cement plants
- Power plants
- Waste incinerators
- Glass plants
- Steel plants

BENEFITS
Turnkey system
Reliable performance
Easy maintenance

To maximize the performance of our FloMax® nozzles and experience the benefits of completely automated operation, consider our turnkey solution. Our gas conditioning system includes a proprietary control system to continuously monitor and adjust the closed-loop system. Liquid and air or steam flow to the nozzles is based on data gathered from temperature sensors and ensures the highest level of reactivity and accuracy for the system.

The gascooling system is a well-proven and tested concept based on extensive experience in the field.

We offer a wide range of standard and customized systems. Contact your local Spraying Systems office for further details.

Customer Testimonial:

"We just performed our yearly maintenance of the kiln with the gascooling system being in operation since 6 months.
We are really satisfied by the reliability and the continuous operation of the system and by the fact that besides routine inspection we didn't have to perform any maintenance.
As far as I'm concerned, I would like to thank Spraying Systems for their capability to adjust the concept of regulation and transitions according to our requests during the commissioning of the system. By consequence we have a tremendous quality and regulation response of the gascooling system."

Project engineer at Lafarge-Holcim in Eclepens (Switzerland)

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Spraying Systems Co. Sales office address
Find your local representative on www.spray.com