

Successful maintenance inspection for a manufacturer of industrial gases



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Linde Gas is a leading manufacturer of technical gases for metallurgical processes, the chemical industry, the food sector, environmental protection, production of glass and electronic components, construction, the pharmaceutical industry, as well as for research and development. At the site in Dormagen, Linde Gas provides the companies at the Chempark chemical park with industrial gases.

44 pumps, motors, fans/blowers and gear units (90 % from other manufacturers) | 8 KSB specialists | 4 weeks

During a turnaround period, a high number of units have to be checked for proper functioning and repaired within a tight time window, making exact planning and preparation all the more important. Linde Gas relied on KSB's expertise for the management of maintenance inspections. With over 250 maintenance inspections a year, we provide a high level of experience. The deciding factor during the bidding process was the ATEX approval allowing KSB's trained specialist personnel to service and approve explosion-proof machinery. Furthermore, the pump manufacturer's service team had already demonstrated its speed and expertise in previous assignments for the gas producer.

KSB's specialists were in charge of organising and performing the maintenance inspection of the rotating equipment for Linde Gas. Following detailed planning and preparation, 8 service engineers dismantled, repaired and reassembled 44 units within 4 weeks. Overall, 90% of the equipment subjected to maintenance inspection – including pumps, motors, fans/blowers and gear units – were products from other manufacturers. The subsequent support involved detailed documentation, which included proposing optimisation solutions for the next maintenance inspection.

The maintenance inspection work **in detail**

Facts and figures:

- Standard overhaul of 44 pumps, motors, fans/blowers and gear units of all makes – within 4 weeks – by 8 KSB specialists
- Preparation of logistics, tools and special machinery
- Provision of standard wear parts, gaskets and packings
- Machining based on diagnosis, and retrofitting

More information

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Super-pressure pump – maintenance inspection incl. pressure test, alignment and commissioning



Screw pump – maintenance inspection and commissioning



Flue gas blower – maintenance inspection, alignment, commissioning



Gear unit including electric motor – maintenance inspection, test run and commissioning



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