gasmet
A Nederman Company

CMM

CONTINUOUS MERCURY MONITORING SYSTEM CMM

Futureproof mercury monitoring requires continuous measurement of total mercury concentration according to the declining emission limits, online results and consideration of the special characteristics of Hg. Gasmet's solution meets these demands while offering the highest sensitivity on the market and world-class support from our experts throughout the lifetime of the system.

What is the CMM system?

The CMM system is future-proof TÜV and MCERTS certified solution for continuous mercury monitoring. It has the lowest EN 15267-3 certified range in the world (0-5 µg/m^3) and the highest certified measurement range of 1,000 µg/m^3, but even higher concentration peaks can be measured without any hardware changes.

The CMM system has an integrated certified span test gas generator included for Hg^0, which performs automatic QAL3 quality assurance tests. Operational costs are minimized since no external services are needed to perform QAL3 tests.

The CMM system is designed for continuous measurements of total mercury from hot, wet and corrosive gas streams. It is used in a wide range of industrial processes that require continuous mercury emissions monitoring

We offer a full continuous mercury monitoring solution package consisting of the system, lifetime service and support, all necessary documentation and training, as well as our expertise.

Any questions? Ask more from our mercury monitoring experts: contact@gasmet.fi

The CMM system consists of:

> Dilution probe
> CMM cabinet
> Heated sample line
> Mercury analyzer
> Test gas generator with an integrated QAL3 validation tool

A heated dilution probe with a two-stage blowback system offers durability and reliability even in the most demanding conditions. System's modular design makes it possible to remove individual parts for maintenance or repair. This minimizes system downtime and makes the maintenance procedure easy and cost-effective.

How does it work?

Gasmet's mercury analyzer is based on the Cold Vapor Atomic Fluorescence (CVAF) measurement principle which offers the highest sensitivity in the world (detection limit of 0.02 µg/m^3). The system is fully automatic, and the automatic calibrations are done at user-defined intervals. Thanks to the CVAF technology and sample dilution with nitrogen reliable and extremely accurate results are achieved, without interferences from other gases. An integrated thermal converter converts all mercury compounds to elemental mercury to measure total gaseous mercury.

Why choose the CMM system?

Future-proof operation. With the lowest certified measurement range in the world of 5 ug/m^3, you are ready when emission limit values change.

Avoid QAL3 test costs. Save up to 6000€/ year with our certified and integrated test gas generator. In-house designed and manufactured CMM runs QAL3 tests fully automatically without any need for testing laboratories.

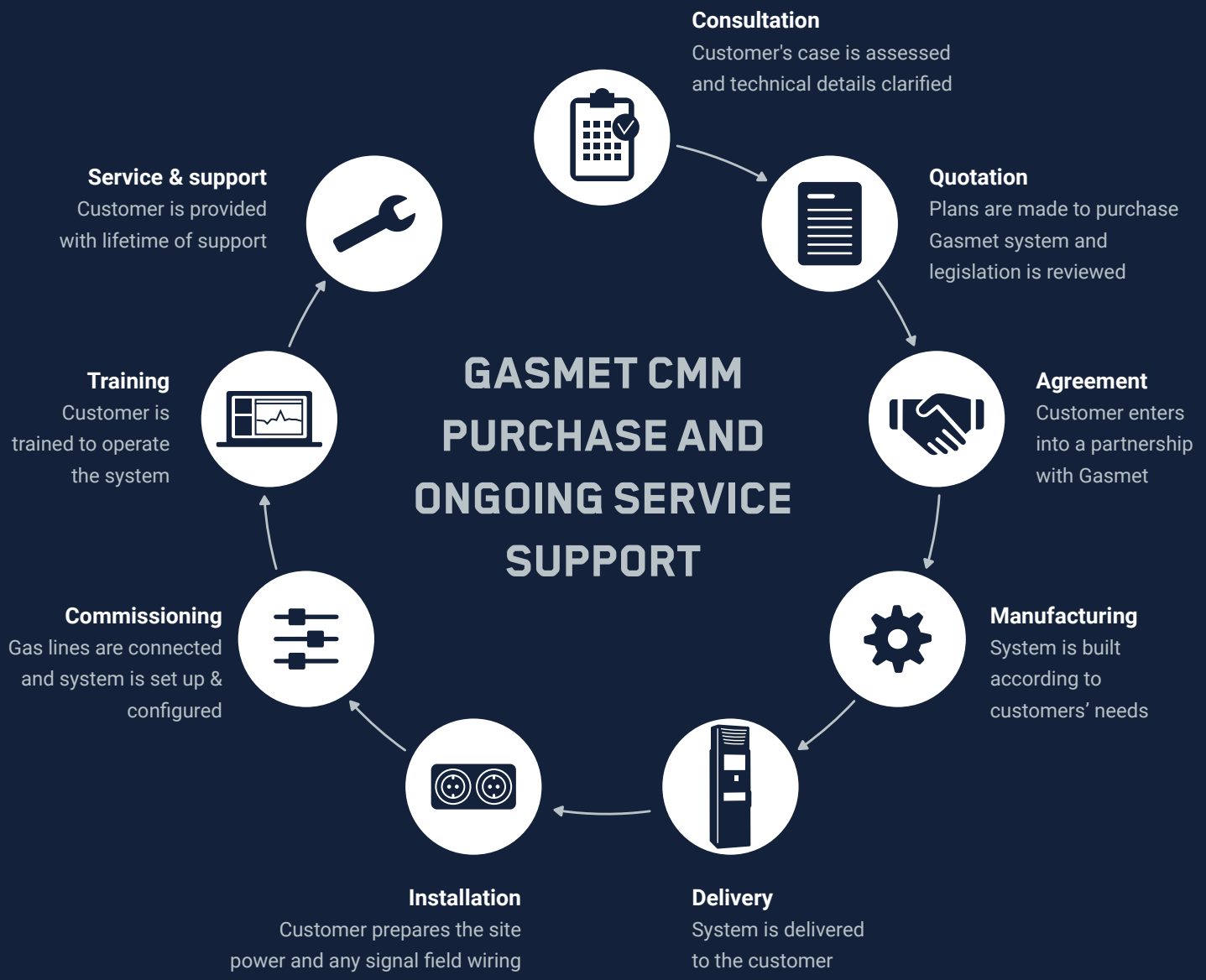
Keep the process running. Modular design allows the operator to easily exchange key modules and keep the monitoring running self-sufficiently to avoid expensive unexpected process disruptions.

Avoid extending system shutdowns. As the CMM is based on in-house technology, it is designed to be serviced locally with no need to send the system back to the factory. Use our application expertise built with over 7000 analyzer installations globally.

Pass regulatory tests smoothly. Certified low measurement range and in-house designed and manufactured technology ensure certainty in passing regulatory QAL2, QAL3 and AST tests. Interference-free operation with dilution method keeps accuracy unchanged even if the gas matrix would change.

Our products represent the pinnacle of what can be achieved in the measurement of gaseous emissions using automated measuring systems. We excel in manufacturing reliable, sensitive, and cost-effective continuous emission monitoring solutions that represent the future of gas analysis. We have a world leading reputation, and we take pride in making sure all our current devices and future solutions are fully certified to the latest standards.

Ready to take the next step with us?



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