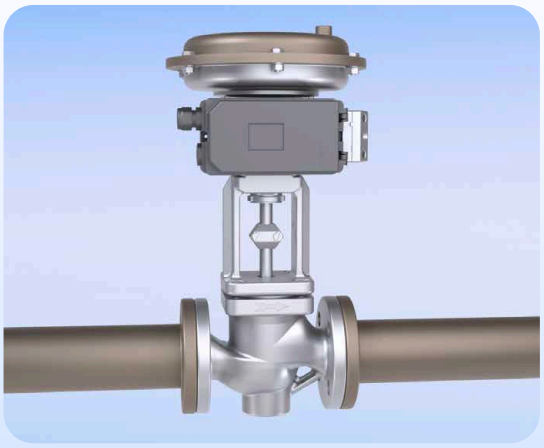
More than just listening: The digital sense for your valves.

Damage to industrial valves often develops gradually. Leaks cause pressure losses, wear impairs function, and cavitation or erosion attack internal components. Without early detection, unplanned downtime is a real risk.



Invisible risks. Tangible consequences.

What begins inside a valve often goes undetected for a long time, until performance, safety, and reliability are suddenly at risk. Hidden damage develops gradually and only becomes apparent once it becomes costly.

Leakages

Leaks in the seat, stem, or body cause pressure loss, energy waste, and potential safety hazards. Internal leaks often go unnoticed for a long time and significantly compromise process stability.

Malfunctions

Wear, corrosion, or faulty actuators can prevent valves from opening or closing reliably. This compromises control accuracy and can lead to unplanned downtime.

Flow damage

Cavitation and erosion attack components from the inside, damaging sealing surfaces and seating surfaces. This results in vibrations, a drop in performance, and a significantly reduced service life.

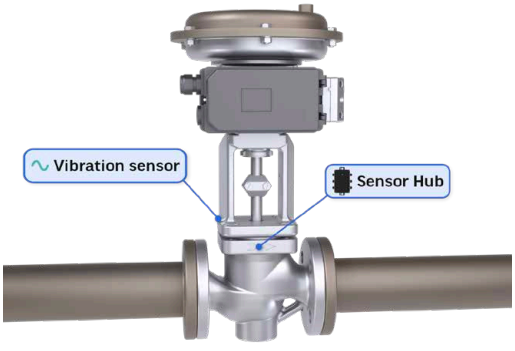
Our Solution

We listen to, monitor, and understand your valve.

We collect and combine extensive operational and condition data to provide comprehensive condition monitoring, and we integrate our maintenance solution into your system on a customized basis.

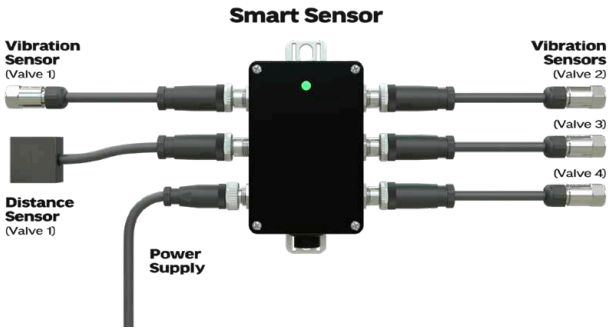
Possible sensors

- Position/Distance
- Electricity
- Pressure
- Acceleration
- Flow rate



Detectable damage

Stickiness, corrosion, deformation, friction, jamming, spindle failure, gear damage, overload, energy consumption, characteristic curve errors, seat wear, leakage, design flaws, narrowing, cavitation, flashing, flow separation, erosion, microdamage, process deviation, control errors, deposits.



Maintenance before things get critical

Smart monitoring turns uncertainty into predictable action and turns malfunctions into manageable measures. This allows you to ensure availability, reduce risks, and maintain full control over your valves.

Detect leaks early

Sensors detect even the slightest changes in pressure, flow, or noise patterns before a leak becomes critical. This allows for targeted maintenance of seals and seating surfaces before safety risks or production losses occur.

Preventing malfunctions early on

Continuous monitoring of operating times, motion profiles, and drive forces makes gradual wear immediately apparent. Maintenance is performed proactively rather than reactively, and unplanned downtime is significantly reduced.

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Find the right solution with our workshop

Getting started with predictive maintenance often raises many questions. What should be monitored, which technologies make sense, and is it even worth the effort? **Our workshop** will help you answer these very questions and find a clear direction for your project.

Machine & Plant Workshop

Let's work together to design the best predictive maintenance solution for you.

coderitter.io **info@coderitter.io**