

Listen to your equipment's heartbeat - to beat downtime.

LOCTITE Pulse Smart Leak Detection

Even though your industrial equipment doesn't have a heart and soul, it still has a pulse. Millions of tiny signals, giving you invaluable information about imminent risks, health status and maintenance needs: All you have to do is listen.

Common Industry Pain Points

- Leakages cause unplanned downtime and thus significant opportunity costs.
- Manual inspection of critical flanges as well as their repair cause significant personnel and material costs.
- Undetected leaks can lead to catastrophic failures and present a significant safety risk.
- Leaks of critical media can result in significant environmental and reputational damage.
- Manual inspection and documentation lead to low transparency about weak points and hamper optimization.

Benefits of LOCTITE Pulse

Reduced Unplanned Downtime. An instant response to the leak lowers clean-up and repair efforts, saves manhours, and reduces cost-intensive downtime.



Reduced Manual Inspection and Documentation of Critical Flanges. Reduce manual inspections and repair efforts thanks to continuous monitoring.



Increased Plant Safety. An immediate reaction to a leak lowers the probability of accidents that cause damage to the plant itself or even maintenance personnel.



Increased Sustainability. Repairing a leak quickly reduces the likelihood of environmental contamination and, subsequently, damage to your image.

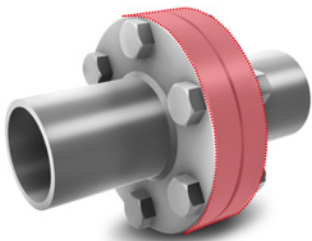


Increased Transparency. Digital documentation of the maintenance history of flanges and their leakage history provides additional transparency about maintenance quality. It also allows improved measures to be introduced to increase plant performance.



Predict your equipment's next move – with LOCTITE Pulse.

LOCTITE Pulse is an Industrial Internet of Things (IIoT) Solution designed to contribute to your plant's reliability. It supports your existing control mechanism in order to increase plant safety, productivity and uptime. Across multiple assets and manufacturing brands – in one single app!



① Always-on monitoring of critical flanges

INNOVATIVE

Novel, patented carbon nanotube technology that supports quick detection of hydrocarbon leaks

PEACE OF MIND

Secondary containment can slow down the leakage and gives time for planning the repair

ALWAYS-ON

Continuous reporting of equipment status – 24/7, 365 days a year

RELIABLE

Robust, consistent, and hydrocarbon-specific signal generation

NON-INTRUSIVE

Retrofit installation during operations



② Data transmission and analysis

SELF-SUFFICIENT

No local power supply needed thanks to battery power with a service life of up to 5 years

INDEPENDENT

Independent of local network thanks to cellular communication

ROBUST

Robust design for indoor and outdoor use

SAFE

ATEX Protection



③ Provision of information optimized for user needs

INDEPENDENT

Web-based platform independent of end device or operating system

ONE-STOP SOURCE

All LOCTITE Pulse solutions are integrated into one system

ACCESSIBLE

Access the app and information from anywhere

USER-FRIENDLY

Simple and intuitive handling

Scan the code to find out more

