



SENSEVEN

Press release

## Valve Sense, the first smart and mobile inspection system for valve monitoring in hazardous areas

Pioneering innovation from i.safe MOBILE and Senseven for simple leak detection in valves without interrupting the production process

Vienna, May 23, 2023

The Austrian start-up Senseven, which transforms smartphones into smart and mobile inspection systems, is proud to announce the launch of its innovative valve inspection software solution for hazardous areas. Together with the strategic partner i.safe MOBILE, the world market and innovation leader for explosion proof communication devices, the inspection system Valve Sense was developed especially for Ex zones.



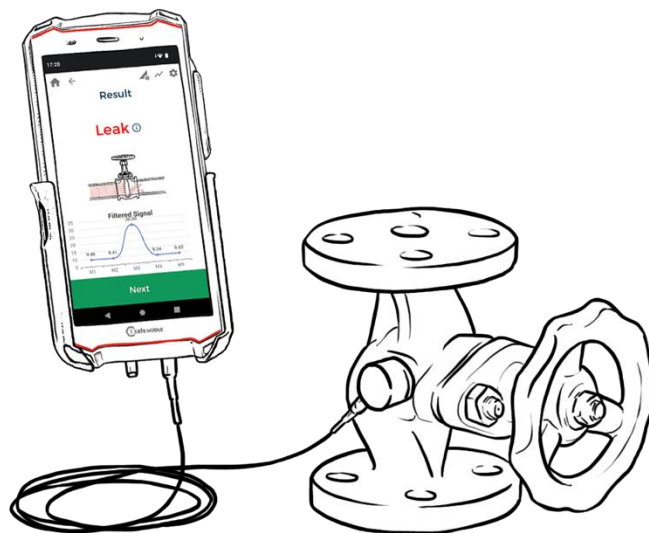
Graphic: Valve Sense/Senseven GmbH

Industrial customers can now use the software and AI-based system in conjunction with i.safe MOBILE's IS540.1 smartphone to monitor critical valves in explosive hazardous areas. This enables companies to improve the safety, reliability and efficiency of their production processes.



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## Valve Sense - The new generation of valve inspection for Ex-zones



With the launch of Valve Sense for Ex-zones, Senseven and i.safe MOBILE are pioneers in applying today's digital capabilities to an inspection system for leak detection in valves. The user-friendly kit easily connects acoustic emission sensors to i.safe MOBILE's innovative 5G smartphone IS540.1 and transforms it into a smart valve inspection system through the Senseven software.

Illustration: Mobile inspection system Valve Sense /Senseven GmbH

The project team placed safety and user-friendliness at the centre of their development. The Senseven software guides the user through the inspection process in a self-explanatory way and algorithms and artificial intelligence help interpret the sensor signals.

All inspection data is automatically stored in a cloud-based platform (Backoffice) for further analysis and easy reporting. The simple solution enables anyone to detect leaking valves with water, gas, steam or air at an early stage and react promptly - without any training or expertise. Companies can thus check their plants regularly without interrupting the process, can detect damage at an early stage, make their maintenance processes more efficient and save massive amounts of time and money.

The combined expertise of both companies enables Valve Sense to meet the demanding requirements of customers in the chemical, pharmaceutical, oil and gas processing and other demanding industries in explosive hazardous areas.

*"Thanks to the cooperation with Senseven and the new, joint Valve Sense technology solution, we can now also offer our customers the most innovative mobile solution currently available on the market for valve monitoring in hazardous areas - with our usual reliable safety standards. The combination of Senseven's technology with our 5G smartphone IS540.1 offers our customers an enormous increase in efficiency in the area of maintenance",* comments Martin Haaf, CEO of i.safe MOBILE.



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*"Valve Sense is a revolutionary technology that will change the way industrial valves are monitored and maintained in hazardous environments. Our team of experts has worked tirelessly to develop a system that is safe, reliable and easy to use. Valve Sense is a first step in our strategic partnership with i.safe MOBILE to meet the specific needs of our customers in Ex- environments and make their processes safer and more efficient",* says Michael Hettegger, CEO of Senseven.

The Valve Sense set consists of a case containing the IS540.1 smartphone equipped with the Senseven software, the IS-VS1A.1 measurement electronics, a waveguide and acoustic emission sensors and will be available from Q3/2023.

More information about the digital solution can be found here:

<https://www.senseven.ai/valve-sense>

Press pictures for download can be found: [here](#)

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### **About Senseven**

Senseven is revolutionising industrial inspection by turning smartphones into smart and mobile inspection systems. The company uses acoustic emission sensors that can perceive the smallest changes in the structure of components. An in-house developed software captures the sensor signals, which are interpreted with the help of algorithms and artificial intelligence.

[www.senseven.ai](http://www.senseven.ai) | [LinkedIn](#)

### **About i.safe MOBILE**

i.safe MOBILE GmbH, based in Lauda-Koenigshofen, was founded in 2011 and is global market leader and one of the most innovative developers of mobile communication devices such as mobile phones, smartphones, tablet PCs etc. for safe use in hazardous areas and for robust use in industry and outdoors. Engineers and specialists at the Lauda-Koenigshofen site develop practice-oriented products and individual, customer-specific software solutions based on legal regulations such as ATEX, IECEx, NEC 500 and EAC. The i.safe MOBILE R&D team incorporates all international standards into product development and is itself an active member of the relevant standardization committees. In order to meet all explosion protection requirements, the products are developed from scratch. This gives customers worldwide the certainty of using high-quality communication technology at the latest technical level. In addition, i.safe MOBILE cooperates with solution providers in the areas of push-to-talk, mobile device management, maintenance software or lone worker in order to be able to offer complete solutions from a single source. i.safe MOBILE is represented by a subsidiary in Singapore and sales partners in 72 countries in Europe, the USA, Latin America, South Africa, the Middle East, Australia and Asia. Since March 2023, i.safe MOBILE has been invested in the Austrian start-up Senseven as part of a strategic partnership. Senseven is the developer of a software and AI-based mobile inspection system for industrial components.

[www.isafe-mobile.com](http://www.isafe-mobile.com) | [LinkedIn](#) | [YouTube](#)

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