

Long

Ilmsens GmbH was founded in 2016 out of the TU Ilmenau. The team develops novel ultra-wideband sensors to the highest quality standards. Ilmsens' sensors are used in liquid analysis and short-range sensor technology.

Although liquids occur in many different ways as raw materials, operating materials, intermediate or end products, Ilmsens technology enables statements to be made about the efficiency and quality of processes across all industries with fast, non-contact measurements. Measurement over a very wide frequency range allows the composition of complex mixtures of substances to be determined and any changes that occur to be detected. This not only allows statements to be made about the current state, but also allows predictive models to be developed. This enables the predictive operation of processes, which helps to identify problems at an early stage and to react optimally.

Using high-resolution close-range sensor technology, Ilmsens GmbH is able to detect objects or surfaces) as well as the smallest movements and to determine and classify them more precisely with regard to their distance from the sensor, their speed and their position. The objects can be detected (non-destructively) in a wide variety of materials. The technology is also insensitive to bad weather and dirt. Measurements can be taken up to a distance of ten metres directly to the sensor.

Medium

Ilmsens GmbH was founded out of the TU Ilmenau in 2016. Since then, the team has been developing novel ultra-wideband sensors and application-specific measurement systems to the highest quality standards. The sensors serve as an innovative solution for diverse areas and are used in liquid analysis and short-range sensor technology.

Short

Ilmsens GmbH was founded in 2016 out of the TU Ilmenau. Based on the unique ultra-wideband sensor technology, the team develops and markets innovative liquid sensors and high-resolution short-range sensors.