

Save time and money with smart maintenance

> [VILPE.COM/EN/SENSE](https://vilpe.com/en/sense)

The VILPE® Sense system monitors structures for leaks and moisture damage

Humidity damages on roofs are both common and expensive. Experts indicate that one in four roofs will need renovation due to humidity damages before reaching the end of their expected lifespan. Moreover, these types of damages are rarely covered by insurance, leaving the building owner responsible for the expenses.

The VILPE Sense product family offers a cost-effective solution for minimizing the risk of humidity damages in structures of buildings. Utilizing the latest IoT technology, the system continuously analyzes data from your structures, detects elevated humidity levels, and activates ventilation of the structures as needed to eliminate moisture.

For both new and renovational projects

VILPE Sense usage examples

A building with risk structures or previous humidity problems

Green roofs

Low-pitched bitumen roofs that need more efficient ventilation

A roof with several HVAC equipment or solar panels / a building where lots of construction work is performed after the roof has been installed

A steep metal roofing without an underlay

Heat removal from structures

Poorly ventilated crawl space

Wall structures

Buildings where a wet room is located next to the exterior wall

VILPE Sense product family includes three compatible products:



Leak Detection

Monitors roof or wall structures.



Humidity Control for roof structures

Monitor and dries the roof structures.



Humidity Control for crawl spaces

Monitors and dries the crawl space.

Can be connected to a cloud-based total building automation system

Payback period 3 to 5 years

How you can save time and money with VILPE Sense Humidity Control



Smart on-demand ventilation. The system monitors the state of your building's structures, delivering optimal ventilation to keep them dry and healthy at all times.



Excellent insulation layer properties. Moisture reduces the insulation capacity of the insulation layer, which increases a building's energy consumption.



Smarter maintenance with data. The system collects objective data to support informative decision-making when it comes to maintenance or repairs of building's structures.



No construction phase humidity damages. The roof structure is typically difficult to protect from humidity during the construction phase. The system dries the structures in retrospect.



Alarming you when there is a problem. Reacting to potential leaks in time is key in preventing expensive renovations. The system will automatically alert you when it detects a potential problem.



Removes excess heat from the structure. Avoid an over-heated roof and building during the summer as the system removes excess hot air from the building's structures.



Mould and fungi prevention. A dry insulation layer prevents the growth of mold or fungi, safeguarding your building against long-term structural damage.



Increased resale value of the property. Prove the condition of your building structures with the historical data collected by the system.

What the VILPE Sense Leak Detector does for you



Locate possible leakages quickly and accurately. When the system alerts you to a potential leak, you can locate the problem area on the roof right away on a humidity map. At this stage, there is no need for a person on the roof to locate the problem.



Easier maintenance. The system facilitates roof inspections as it makes the opening of roof structures unnecessary. Repairs can be directed immediately to the right spot, making them cheaper and faster to implement.



Constant roof monitoring. The condition of the roof is not monitored by irregular roofing inspections; instead, the roof is monitored 24/7.



Monitor large areas. The system locates the leakage quickly, which makes it particularly useful for larger roofs of thousands of square meters.

Would you like to know if the VILPE Sense system fits your project?



Contact our sales.

Read more about the products and systems.

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