



WAINS

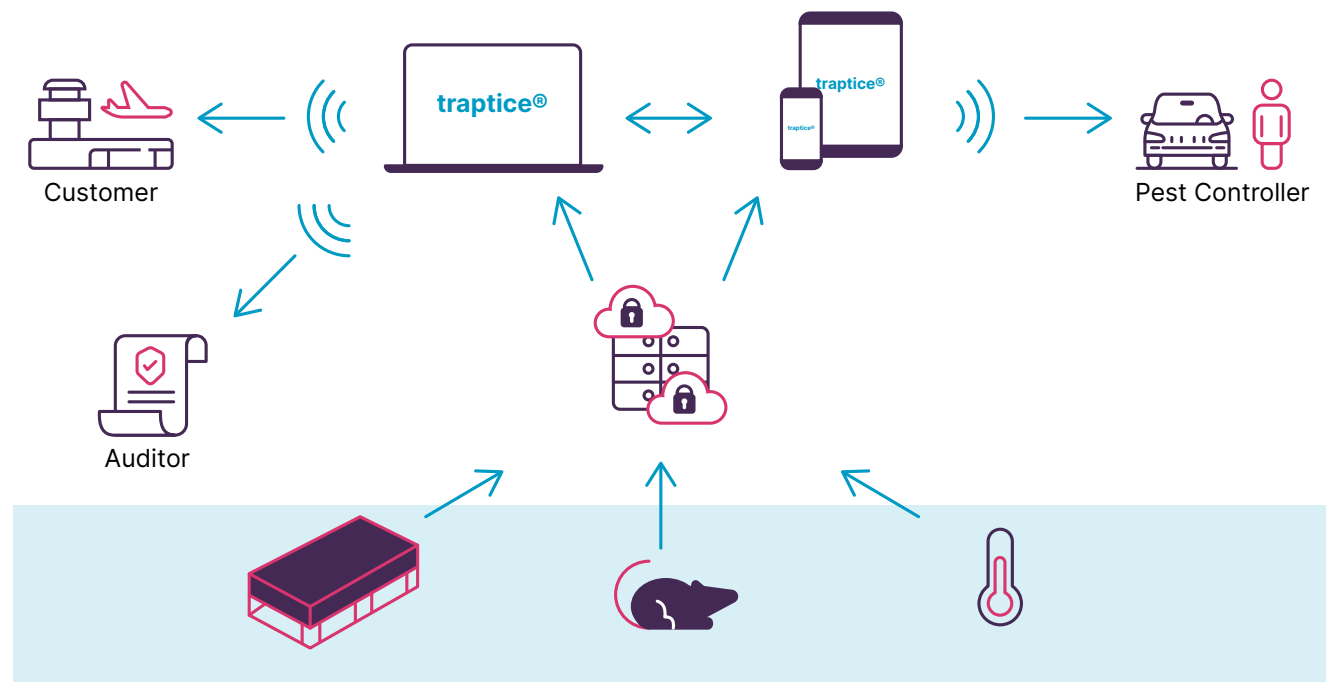
DIGITAL PEST MONITORING

#pimp your trap.



www.wains.info

Our Eco-System – with traptice®



The digital pest monitoring system can aid in the early detection and control of pests before they cause significant damage.

It can also help optimize the use of pest control agents by precisely indicating where and when they need to be deployed.

Digital traps serve as a valuable addition to traditional, analog, and time-consuming pest monitoring methods, including the use of snap traps.

However, they cannot be solely relied upon to effectively combat pests. It is essential to implement other measures, such as structural modifications and/or the application of pest control agents.

WAINS GmbH serves as a digitalization partner and offers innovative solutions in this regard.

The WAINS Eco-System also allows the integration of third-party LoRaWAN devices from various manufacturers, including motion sensors, smart buttons, and CO₂ sensors.

Through the WAINS Cloud Platform, these "Digital Tools" can be managed and monitored effectively.

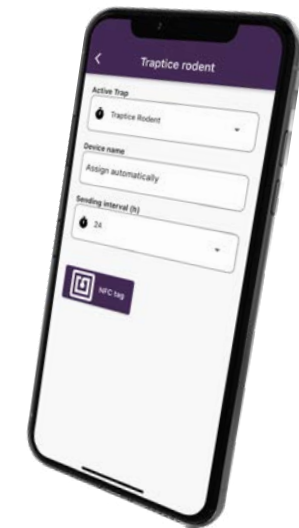


Device Setup

The configuration of devices is done through the traptice® Companion App.

- Log in with user credentials.
- Choose the desired group.
- Select the available traptice® devices.

The traptice® Companion App is available for iOS and Android on smartphones and tablets in respective app stores.

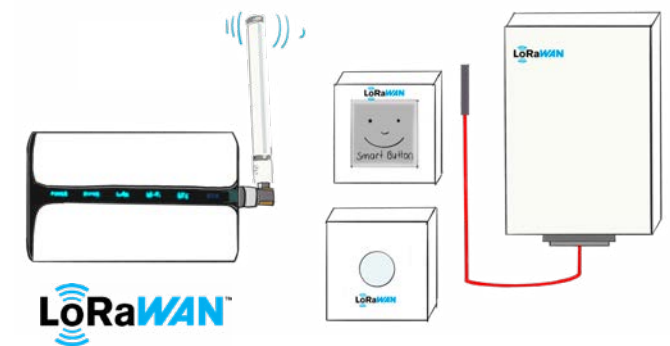


LoRaWAN Devices

Selected LoRaWAN sensors can be integrated into the monitoring platform.

Here are some examples:

- Motion detectors
- CO₂ sensors
- Temperature sensors
- Smart buttons



WAINS Cloud

The WAINS Cloud empowers the service provider not only to monitor traptice® insect and traptice® rodent devices but also offers flexible utility for more extensive applications.

Selected LoRaWAN-enabled devices can be seamlessly integrated as well.

Our focus extends beyond the digitalization of traps; we are committed to supporting service providers on their journey towards digital transformation.

As a foundational platform for the WAINS Cloud, we utilize **Cumulocity IoT** by Software AG.

Enterprise Tenant

The WAINS Cloud Enterprise subscription model provides you with a dedicated tenant, offering additional rights and management options, including:

- Unique subdomain (e.g., customer.wains.info)
- Customer role and rights management
- Management of all groups and subgroups
- Management of all devices and their data
- Capability to expand and create applications

Furthermore, the Enterprise model optionally allows the integration of your company's unique design:

- Initial setup of the subtenant
- Exclusive subdomain (e.g., customer.wains.info)
- User interface in corporate identity colors
- Integration of the company logo
- Custom app for device setup

traptice® insect



Digital Insect Monitors

traptice® insect – the digital condition monitoring of insect monitoring traps designed for pest control professionals and their clients in the industrial, pharmaceutical, hotel, and gastronomy sectors.

Stay informed daily about on-site activities at your clients' locations and be alerted to infestations the moment they occur.

Our Hardware

High-quality embedded sensors and cameras constitute the internal components of the hardware.

The sensors are protected by a splash-resistant casing. Data and recordings are transmitted to the cloud via WiFi. Each device provides reliable and up-to-date information on the monitor's condition, including humidity, temperature, and current images from inside the trap.



Setting up the traptice® insect using the traptice® Companion App via Bluetooth.

WiFi signal required.



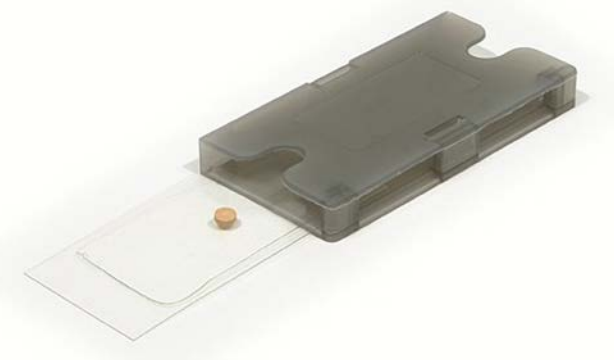
Object Recognition with AI

- Object detection
- Insect counting
- Classification based on input errors and suggestions from the AI instance
- Continuous training of our neural network

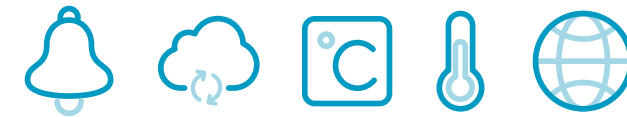
Our Trap

Our solution is built on a robust, well-established, and durable insect monitor box.

Specific attractant tablets or pheromones attract pest insects and immobilize them on an adhesive surface. Thanks to its space-efficient design, the device can be strategically placed in key locations.



traptice® rodent



Smart Rodent Traps

traptice® rodent – utilizes modern technology to monitor snap traps and reports the status of the traps directly to the portal. Receive notifications immediately via email, SMS, or through interfaces directly into your documentation system upon activation. Thanks to the latest LoRaWAN standard, the data is sent to the portal in a battery-efficient and reliable manner.



Our Hardware

Our digital rodent monitoring product is built around high-quality sensors encased in a robust and splash-resistant housing.

With magnet sensors, the device promptly notifies the system upon the activation of a snap trap. The energy-efficient LoRaWAN technology and compact design make the device user-friendly in real-world applications.

Adapter

Upgrading already-used rodent trap systems is as simple as adding an adapter and the traptice® rodent device.

#pimp your trap.



Our Trap

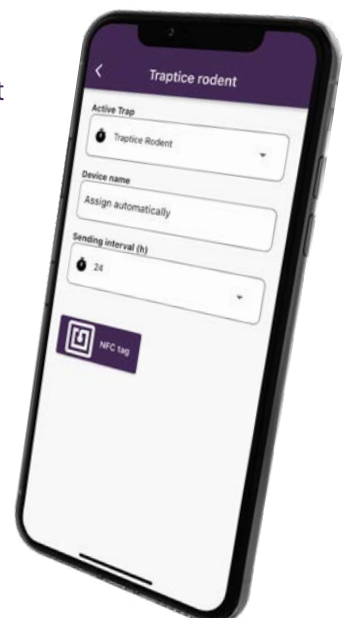
Our traptice® rodent device is compatible with various commercially available rodent traps. To use it, simply place the device between the two snap traps. If there's only one snap trap in the box, the second sensor can be deactivated during the setup in the app. Magnets are mounted on the arm of the snap traps using a straightforward bracket.

Subsequently, the traps can be positioned in the field and registered in the cloud through the app.



Setting up the traptice® rodent device using the traptice® Companion App via NFC.

LoRaWAN signal required.





WAINS

WAINS GmbH
Am Reislebach 83
72461 Albstadt

+49 7431 54 997 0
info@wains.info
www.wains.info

