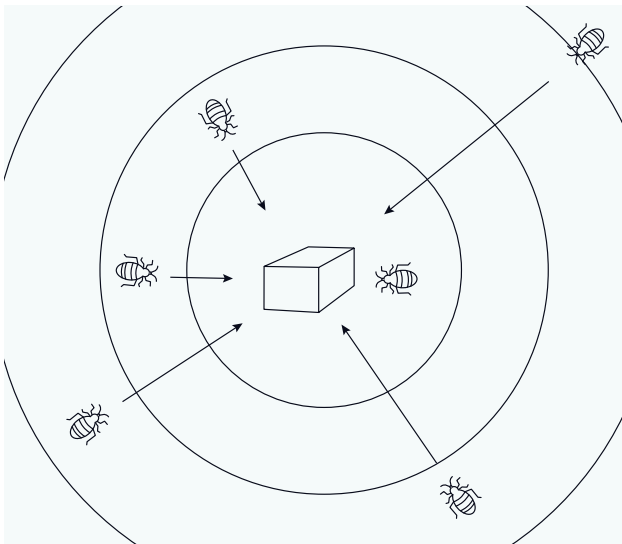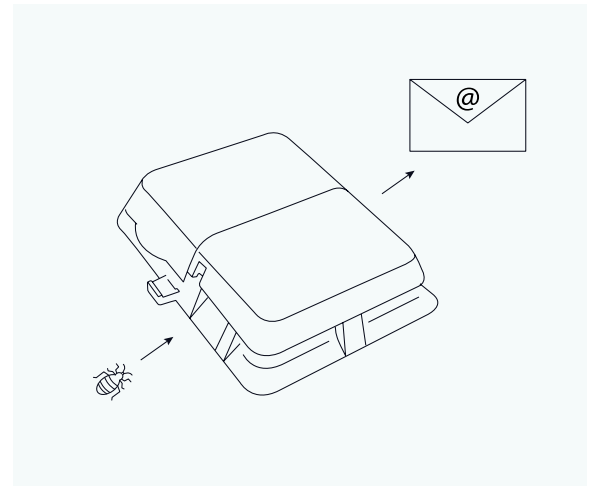# SPOTTA

Bed Pod - How it Works

Bed Bug In: Email Out

Anytime a bed bugs enters a Spotta Bed Pod you get an email with a picture and a note of which room it's in. It really is as simple as that.
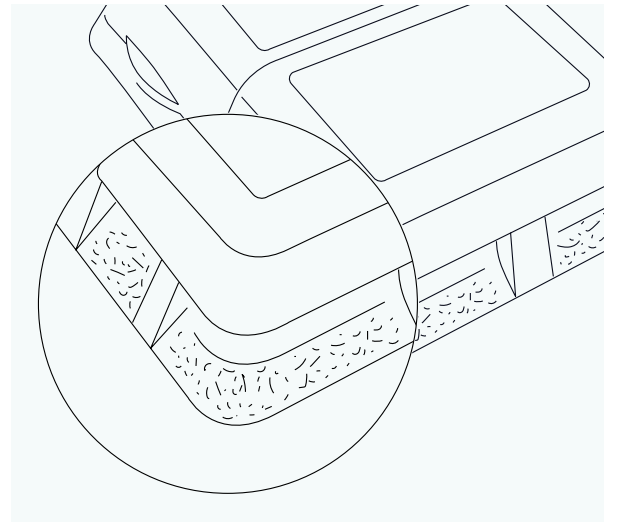
But in order for Bed Pods to be that simple, we've invested thousands of hours into research and development on every stage of the Bed Pod's performance.
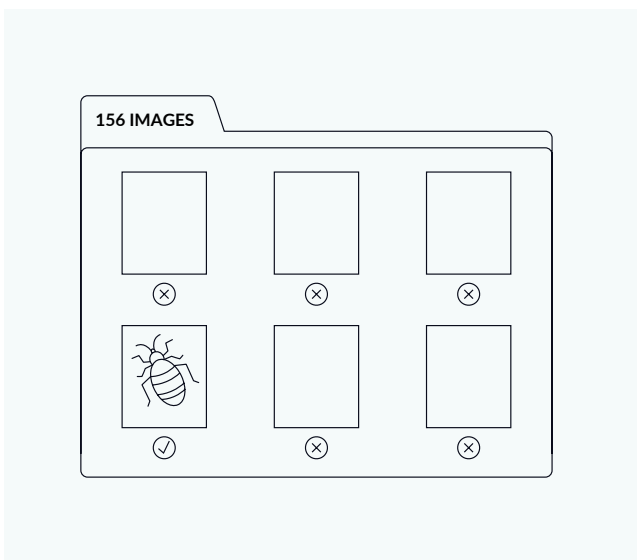

Attracting Bed Bugs

We take a three-pronged approach to attracting bed bugs: lure, positioning, and appeal. We have scientifically tested many chemical lures, synthetic and natural, to find the one that most reliably attracts bed bugs and remains effective for the longest time. Our chosen lure is not only the most effective, it is effective for a year and has no discernible odour.

Bed bugs spend most of their time in and around the mattress and bed frame. So we've designed the Bed Pod to be thin enough to fit between the mattress and bedframe without being noticeable by anyone sleeping in the bed. This is the best possible location for a bed bug monitor because our Pod is right on the route between their hiding places and their food. Other monitors, which are located on the wall or floor, are at an immediate disadvantage - why would a bed bug leave the bed when they don't need to?

Finally, we have found the colours, shapes, and textures that bed bugs prefer through our rigorous testing. With this knowledge we have made the entrance into the Bed Pod very appealing for a nearby bed bug. These three factors work hand-in-hand so that **bed bugs will find their way into a Bed Pod in the shortest possible time.**
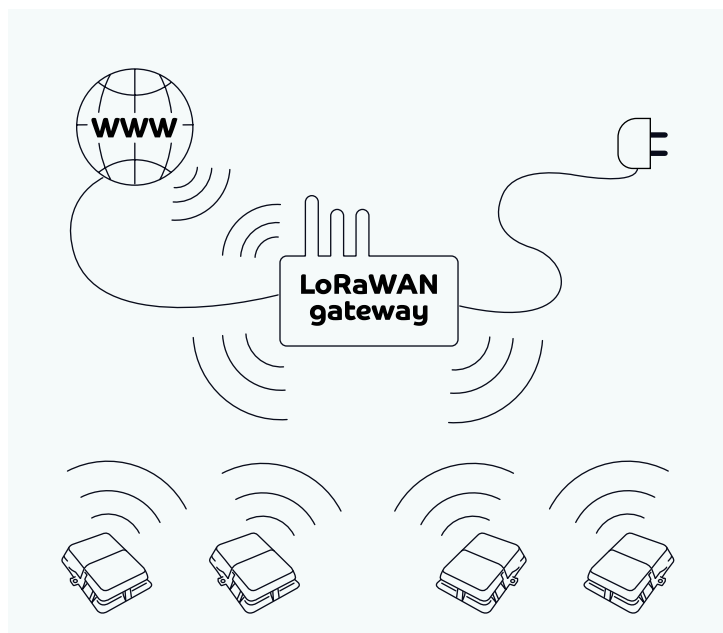
Identifying Bed Bugs

After a bed bug enters a Bed Pod, it is automatically photographed. This photograph is analysed by our algorithms to make sure that what entered was actually a bed bug, before being sent to the customer. Our image processing using artificial intelligence allows us to avoid false alarms for our customers.

Designed For Hotels

We know that power outlets are often scarce in hotel rooms, especially near the bed. On top of this, sometimes guests will unplug appliances near the bed to make use of the outlet for themselves. Finally, a power wire leading under the mattress might well raise suspicions if noticed! Which is why we've designed the Bed Pod to run off batteries. To minimise the hassle of replacing the batteries, we have matched the battery life to the lifetime of the lure. You just change the cartridge in seconds once per year.

We also understand that Wi-Fi coverage isn't necessarily guaranteed in all rooms and that Wi-Fi details can change from time to time. To save our customers the trouble of setting up hundreds of Bed Pods on the Wi-Fi (and doing it all again when the Wi-Fi details change!) they come pre-configured to connect to a different kind of wireless network called LoRaWAN.

We provide LoRaWAN gateways to cover the whole hotel as part of our service. Typically two or three will be necessary but this can vary depending on the size, shape, and construction of the hotel. The gateways require power and an internet connection. They can be connected to the internet via Wi-Fi or via wired internet and we let our customers update the network configuration just as they would for any other internet-connected equipment.

Spotta provides continuous monitoring to guarantee system uptime. The system can be self-installed and maintained with remote support or we can assist you if you prefer. We aim to be flexible and discreet to best meet your needs.

SPOTTA

SMART PEST SYSTEMS