

eMitter Permanent Monitoring

The Data transfer of eMitter transmitters, which you find in our Snaptraps and baitstations works through patented enOcean (Siemens) technology, which is installed in this and other devices yet millions of times all around the world.



This technology is technically mature and is already in use since years in companies and households all over the world. It is approved and certified concerning its reliability, which is unique in the market. Being energy self-sufficient was our main goal, because maintenance-issues like battery-changing or the installation of new power-sockets would be a K.O. in every client talk. With eMitter there is no maintenance or further cost-creation nessecary.

The energy self-sufficient transmitters are working as easy as a light switch. When activated through mechanical power, it sends three strong signals over long distances up to over 100 meters. Before the actual installation the building or place will be examined regarding signal flows. Through this way we can guarantee that a signal will reach its destination, which is the controller. If a signal for example reaches the controller only by 30% we install a repeater, which enhances the signal and pushes it up to 100% again. According to this measurements any possible imponderables can be avoided. The last station of the signal is the controller, our black-box. It receives the enOcean signal and creates a GSM-Message. The message will be received by whoever necessary via email, smartphone or eMitter database online. Of course controllers (and soon to come repeaters too) send a message if anything is wrong: high temperature, low signal/no signal, no power and more information according to individual thresholds ("Keep-Alive"). This guarantees a 100% reliability of eMitter in every instance.

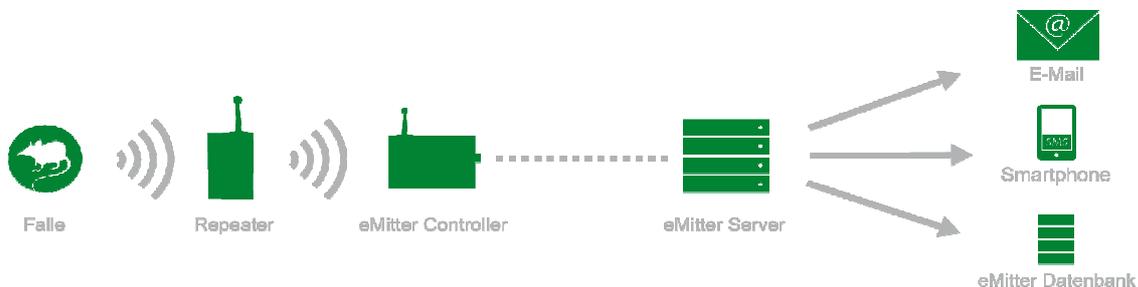
Furthermore the following infos about every controller are visible to the user in every second of the day:

- GSM signal strength (dBm)
- GSM Provider ID
- SIM card number
- Name of the controller
- Connection trials
- Remaining battery power
- etc.

These information guarantees that there are no troubles within the system at any time. But even if there are troubles or disorders, you know what kind of, how to solve them and how to prevent them in the future.

An additional security is, that any controller may run on its own internal rechargeable battery through a longer period of time (in case of power breakdown). This makes sure, no data will be lost.

The remaining risk of a not working trap is therefore very much lower than in each and every other Permanent Monitoring System:



Picture no.1 „stages of an evolvinig eMitter signal“

It all starts with the snap trap (see pict. no.1) which creates a signal with its mechanical power of the hit, created by the rodent movement on the trap. In the last stage the data will be used for an analytical documentation and assessment.

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