e-stado®

heat detection and optimal timing of insemination
health monitoring
calving and postpartum retention (milk fever) alarm
heat stress detection
photoperiod control

www.e-stado.net

e-stado®

Solutions for farmers

dairy cows monitoring

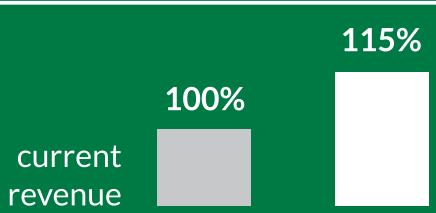
e-stado® helps to improve production results and avoid threats

- Accurate heat detection and optimal insemination time resulting in shorter calving interval
- Early detection of diseases - healthier animals and less veterinary cost
- Enhanced milk production by summer heat stress control and better photoperiod management
- Easy planning of daily work with simple task lists and threats' reports
- Better profits by increased milk production and reduced culling

Increase annual revenue by 15%

this is an additional 4 eurocents per each liter of milk

For a herd of following initial parameters: 100 heads of HF cows; 9.500 kg/year milk yield; 405 days calving interval; 25% culling; 15% calves and heifers mortality; 0,32 EUR / L milk net price



Did you know: *

- Each not detected heat costs **up to 90 EUR**
- Annual loss caused by metabolic diseases is estimated between **100 – 200 EUR** per cow
- More than **20%** of calves deliveries require human assistance
- Heat stress in European continental climate can decrease annual milk production **by 5-20%**
- Correct photoperiod can increase milk yield **by 10%** during lactation

* Based on Polish and international sources

e-stado® - How does it work?

The system contains of ear and tail biosensors, temperature and humidity detectors mounted in the barn and radio transmitters.

Biosensors

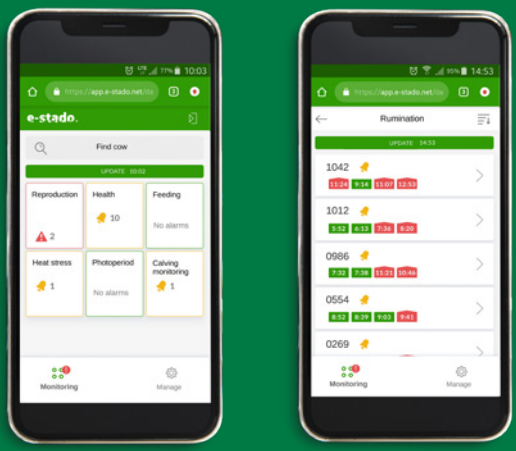
Biosensors are maintenance-free, with no need to change batteries, and can be re-installed multiple times.

For user

The farmer can access user panel via smartphone, tablet or computer. Urgent notices are sent via text message.

Cattle maintenance system

e-stado® monitors animals in both freestall and stanchion barns, as well as on the remote pasture.



Data

Animal activity data and barn conditions are sent to the central server, where they are processed through smart algorithms. Information about the herd and each cow performance is presented to the user in comprehensive and easy way.

Components of the e-stado® system

ear biosensor

- detects the heat and determines optimal time for insemination
- analyzes rumination and feeding
- detects symptoms of metabolic issues
- analyzes resting periods
- measures body temperature
- detects summer heat stress for each animal
- controls photoperiod for individual cow

tail biosensor

- determines time of upcoming calving
- detects pre-calving and postpartum retention

environment sensor

- measures the temperature inside the building
- measures humidity inside the building
- calculates heat stress index (THI)

radio transmitters inside the barn and on the pasture

- forward data from sensors to the central server
- provide Wi-Fi internet connection inside the barn
- use safe voltage supply
- resistant to power outages
- adjusted for solar power supply on pasture

barn monitor

- can be installed in barn conditions
- displays all the e-stado® functions and alarms
- hermetic casing made of stainless steel
- touchscreen

Contact us for details:

phone: +48 721 420 200
e-mail: info@e-stado.net
www.e-stado.net