



SCOUT

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THE MONITORING SOLUTION
FOR SMARTER LIVESTOCK
MANAGEMENT

WWW.SCOUTMONITORING.COM

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SCOUT is a robot that helps farmers monitor different aspects of their flocks in real time.

**Figure 01 summarizes the functionalities of SCOUT.*

Broiler farming is nothing for the feeble-minded. Economic research from Germany, published by the sector magazine "tot agrar", revealed that the bottom 25% of farmers in the country barely make money – 5.000€/year on 40.000 chickens. The top 25% make 13 times more profit on the same amount of birds than their colleagues.

That sounds like simple message, leave it to the professionals. The truth, however, is more complicated: even the good farmers are subjected to incredible variations

in their performance. Up to 60 points on the European Production Efficiency Factor (EPEF) or 15% variability of performance are "normal" – even for very experienced farmers. This makes a big difference: every 10 EPEF points more increases margins by 6-8.000€.

The variability of production has a number of underlying causes, some of which lie outside of the power of farmers. But there are also a lot of things that can go right or wrong on farm: the thermal environment, sudden weather changes, human errors and non-optimised settings of the climate system often contribute to non-optimal performance. Other big troublemakers are health issues and of course "bad" digestion".



**Figure01*

01. **SCOUT** GAUGES

- Mortality to keep the farm clean;
- Wet spots for better litter quality;
- Detective drinkers for better access to water.

02. **SCOUT** ANALYZES

- Excrements for early disease detection and improved feed conversion;
- Data by relevant categories.

03. **SCOUT** MEASURES

- Thermal comfort (temperature, relative humidity, air speed);
- Air quality (CO2 NH3);
- Light intensity;
- Sound levels;
- Bird distribution.

04. **SCOUT** REPORTS

- Thermal sensation;
- Air quality;
- Animal welfare.

