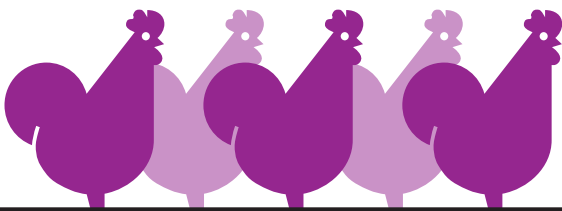


YOUR ADDED VALUE BY OPTIMIZED WATER HYGIENE!*

Automated and remotely monitored drinking water hygiene by Evonik



- + Increased live weight
- + Improved uniformity
- Lower losses
- Less feed consumption



= Stabilized fattening process
= Up to EUR 2,400 added value per fattening period

Start your potential check now!
One fattening period
FOR FREE!

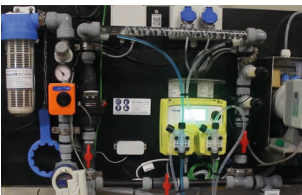
Contact
Stephan Neumayer
Business Development
stephan.neumayer@evonik.com



Scan the QR code for more information

Prevention of biofilm formation through physical dosing technology for oxidative active substances combined with digital monitoring

Components of the package solution, all provided by Evonik



Dosing unit with filter, metering, pump and sensors injects oxidant and acid into drinker line



Gateway Siemens IoT2050 equipped with WiFi sends data to Siemens IoT cloud

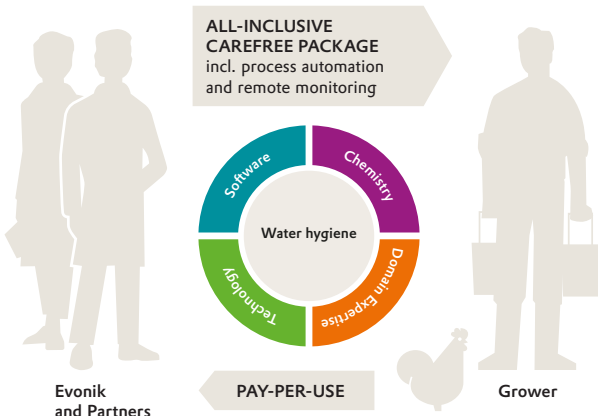


Via visible inspection of a transparent tube biofilm formation is identified

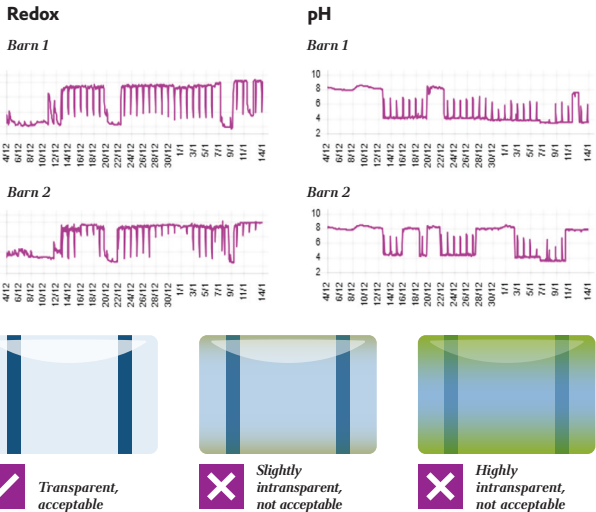


If necessary, turbidity and oxidant concentration are measured with a photospectrometer

Drinking water hygiene as an all-inclusive carefree service



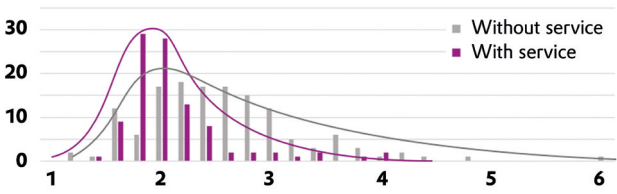
Redox/pH measurement and visual inspection ensures target value compliance



Observations on the added value per fattening period by the use of this all-inclusive carefree package

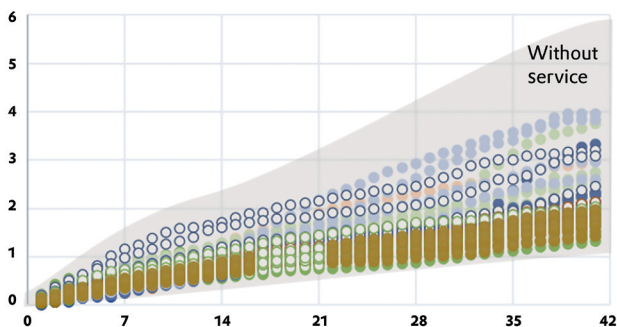
Frequency distribution of losses

Count of observations versus cumulative losses value of flock in %



Losses over time

Cumulative losses in % versus day of flock



Data for 14 fattening periods without and 10 fattening periods with service

Animal number and live weight

30.000 Birds per fattening period and barn
• 10.000 birds pre-catch 2,0 kg/bird = 20.000 kg
• 20.000 birds main-catch 2,5 kg/bird = 50.000 kg
In total 70.000 kg per fattening period

Lower losses

• Delta 0,36 % or 0,0036 x 70.000 kg = 252 kg
x 1,1 EUR/kg = **277 EUR**

Less Feed

• Delta 0,05 g feed per live weight x 70.000 kg
x 3,5 t feed x 400 EUR/kg = **1.400 EUR**

Increased live weight

• Delta 22 g per bird
x 30.000 birds (in pre-/main-catch) > 660 kg
x 1,1 EUR/kg = **726 EUR**

In general with service

• Added value per fattening period in total ~ **2.400 EUR**
• Reduction of spread of values and extreme losses

Added value
(14 periods without service and 4 periods with service, 10 barns per period)

KPI	Unit	Analysis			Added value EUR per fattening period
		Without service	With service	Difference	
Losses	%	2,67 ± 0,65	2,31 ± 0,13	0,36	277
Feed conversion rate	g/g	1,57 ± 0,16	1,52 ± 0,02	0,05	1.400
Live weight per bird	g	2610 ± 67	2632 ± 34	22	726

Total **2.403**

Losses %
(14 periods without service and 4 periods with service, 10 barns per period)

