

Cow monitoring solutions

Monitoring health and fertility

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AfiAct II

AfiCollar



Standalone
systems

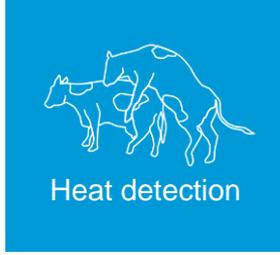
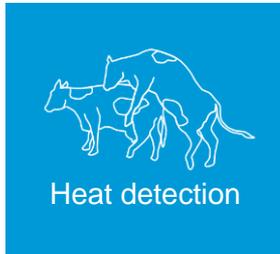
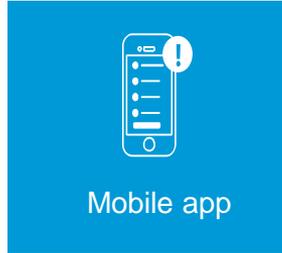
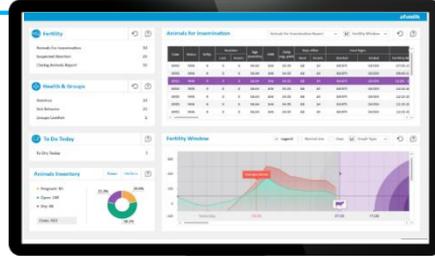


2 Best-in-Class Cow Sensors



Features & Benefits

AfiFarm™



AfiAct II



AfiCollar

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Afifarm 5.5 Standalone



- Standalone Cow Monitoring software is a fertility and health monitoring system that provides a comprehensive 24/7 representation of heifer and cow events.
- Provides thorough and highly detailed tracking of the fertility- and health-related data for individual cows and the herd

Afifarm 5.5 Standalone

Cow Monitoring System dashboard contains several categories for monitoring fertility, health, general tasks and animal inventory

The dashboard is divided into several sections:

- Fertility Reports:**
 - Fertility (15)
 - Animals for insemination: 15
 - Suspected abortion: --
 - Anestrus: 65
- Health Reports:**
 - Health (49)
 - Non-specific health: 49
 - Group Digestion: 4
 - Group Heat Stress: 0
- Daily Tasks:**
 - To do today: --
 - Due calving: 382
 - Pregnancy check: 468
 - Sorted Animals: --
- Cow/Heifer Inventory:**
 - Animals Inventory: Cows: 1488, Heifers: ?
 - Pregnant: -- (48.0%)
 - Open: 848 (57.0%)
 - Dry: 640

Insemination Reports: A table showing details for various animals, including Cow, Status, Gyn. status, Lact., Insem., Age (months), DIM, Days After, Heat Signs, Fertility Window, and Heat Indicator.

Index	Cow	Status	Grp.	Gyn. status	Number	Age (months)	DIM	Days After	Heat Signs	Fertility Window	Heat Indicator					
1	255	Milk	4	Insemination	4	2	72.58	529	69	69	0d 14h	--	11:58 - 19:58	High CR	1054	514
2	481	Milk	3	Insemination	7	2	96.19	166	33	33	0d 10h	0d 05h	15:34 - 23:34	High CR	442	75
3	539	Milk	3	Insemination	7	1	96.65	159	--	89	0d 10h	0d 04h	15:43 - 23:43	High CR	297	200
4	778	Milk	4	Insemination	2	4	48.39	322	32	32	0d 15h	0d 10h	10:57 - 18:57	High CR	404	--
5	1125	Milk	4	Insemination	6	2	84.25	141	26	26	0d 10h	--	16:03 - 00:03	High CR	480	--
6	1400	Milk	4	Insemination	1	2	36.52	356	64	64	0d 06h	0d 02h	19:15 - 03:15	Moderate CR	288	347
7	5608	Milk	1	Insemination	8	2	108.61	163	69	69	0d 11h	--	15:08 - 23:08	High CR	1112	892
8	5623	Milk	1	Insemination	8	1	108.35	155	--	71	1d 07h	0d 13h	--	--	142	-9
9	6303	Milk	1	Insemination	6	2	87.11	123	28	28	0d 10h	--	15:57 - 23:57	High CR	709	659
10	6428	Milk	4	Fresh	6	--	84.62	149	--	--	0d 17h	--	08:37 - 16:37	Moderate CR	683	--
11	6853	Milk	4	Insemination	7	1	95.73	158	--	74	0d 17h	--	08:55 - 16:55	Moderate CR	487	--
12	7198	Milk	1	Fresh	6	--	84.55	126	--	--	1d 03h	0d 14h	--	--	88	41
13	7339	Milk	4	Insemination	3	1	60.12	376	--	71	0d 07h	--	18:58 - 02:58	Moderate CR	229	--
14	7434	Milk	1	Insemination	4	1	60.45	142	--	76	0d 04h	0d 02h	21:26 - 05:26	Moderate CR	111	242
15	7630	Milk	1	Insemination	4	3	60.29	148	31	31	0d 01h	--	00:15 - 08:15	Low CR	58	252

Fertility Window/Heat Graph: A line graph showing the Heat Indicator over time. A red vertical line indicates 'Heat Signs Started' at approximately 05:00. A shaded area represents the 'Fertility Window' from approximately 11:58 to 19:58. The graph shows a peak in the heat indicator around 05:00, followed by a decline and then a rise again.

Heat detection in standalone systems

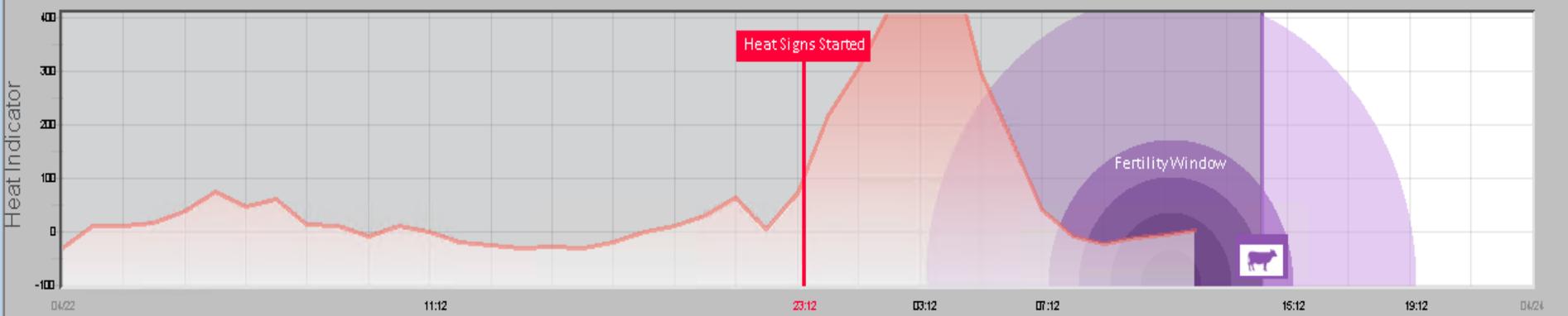
Top Heat Detection, 24/7



WILL TELL YOU **WHICH** COWS TO
INSEMINATE AND **WHEN**

Index	Cow	Status	Grp.	Gyn. status	Number		Age (months)	DIM	Days After		Heat Signs		Fertility Window		Heat Indicator			Days After	
					Lact.	Insem.			Heat	Insem.	Started	Ended	Fertility Window	Conception	1	2	3	Change Group	Hoof Trimming
1	1054 +	Milk	5	Fresh	2	--	39.74	76	--	--	1d 01h	0d 18h	--	--	33	-24	110	10	--
2	1076	Milk	6	Insemination	3	1	39.74	101	28	28	0d 22h	0d 14h	00:19 - 08:19	Low CR	-3	-29	337	10	--
3	7382	Milk	7	Insemination	5	3	80.51	215	47	47	1d 00h	0d 09h	--	--	120	-7	919	10	--
4	8813	Milk	6	Insemination	4	3	67.52	186	48	48	0d 22h	0d 09h	00:28 - 08:28	Low CR	72	-16	1153	3	--
5	8918	Milk	7	Fresh	4	--	66.27	75	--	--	0d 15h	0d 08h	07:12 - 15:12	High CR	172	--	521	10	--
6	9085 +	Milk	7	Insemination	4	2	64.63	143	46	46	1d 11h	0d 17h	--	--	9	-32	160	10	--
7	9360	Milk	7	Insemination	4	2	61.83	146	47	47	1d 02h	0d 14h	--	--	6	-12	655	10	--
8	9520	Milk	7	Pregnant	3	1	60.32	221	147	147	0d 08h	--	14:22 - 22:22	Moderate CR	1106	1132	164	10	--
9	9532 !	Milk	7	Insemination	4	1	60.22	98	21	21	0d 24h	0d 10h	--	--	82	-37	1030	10	--
10	10867 +	Milk	7	Fresh	3	--	48.32	77	--	--	1d 04h	0d 17h	--	--	-4	-3	88	10	--

Legend



Health monitoring with standalone systems

- AfiCollar farms

We evaluate the hourly deviation of rumination and eating for all categories of animals – Nonspecific health report

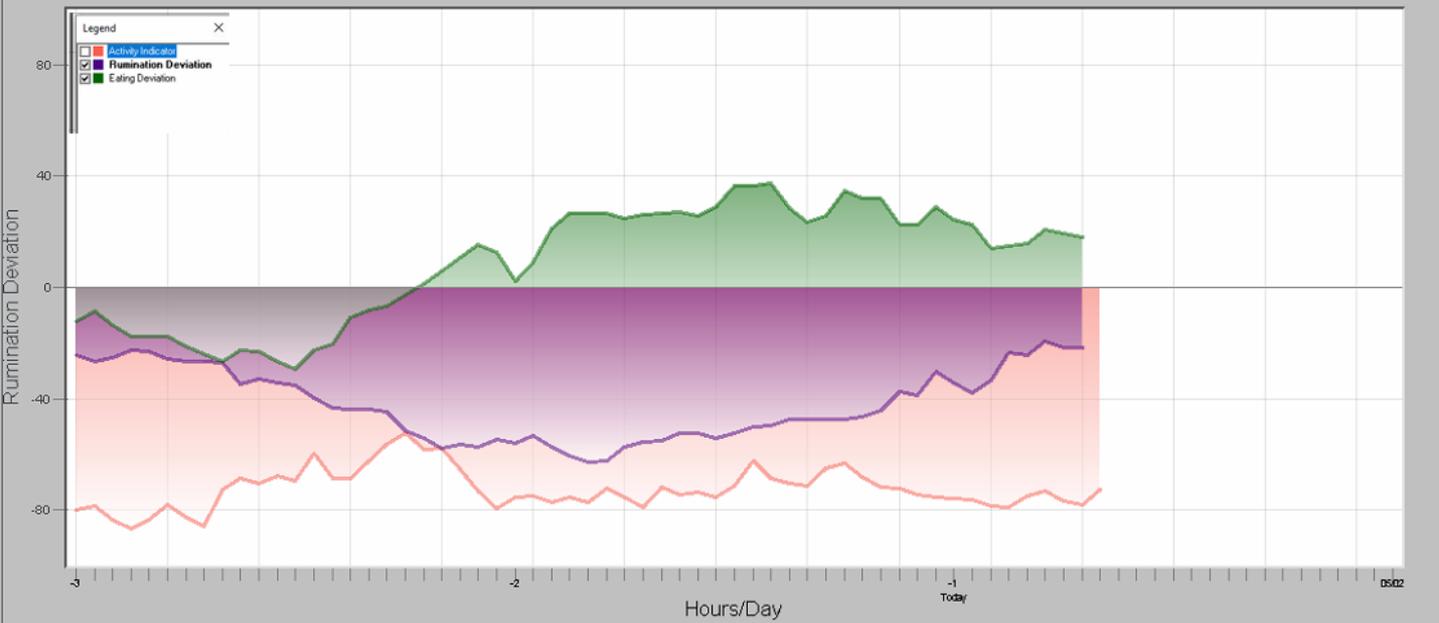
AfiActII farms

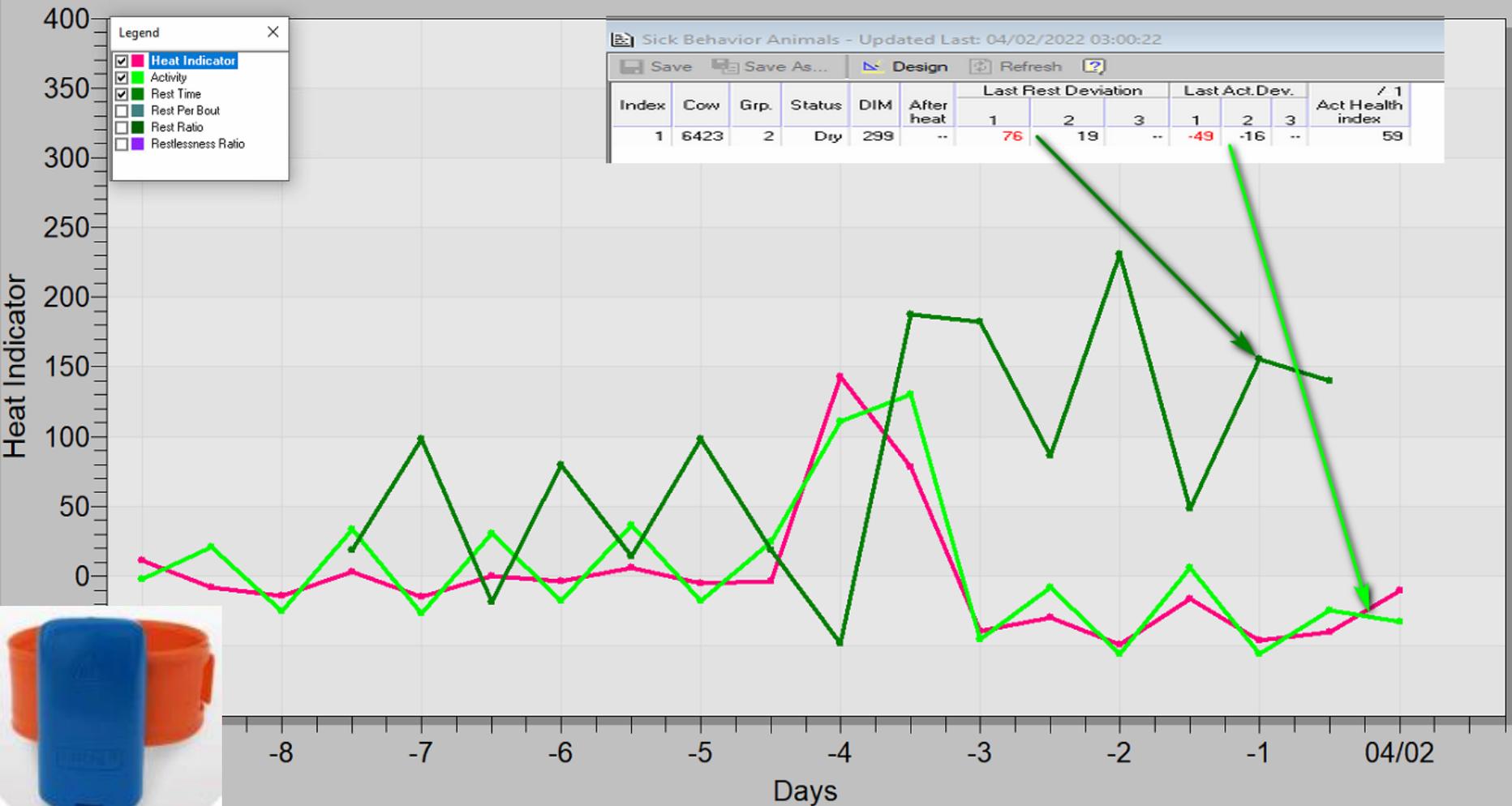
We evaluate the rest time and the activity of all the categories of animals – Sick behavior animal report

Design Refresh ?

Index	Cow	Gip.	DIM	Lact. no.	Status	Gyn. status	Current Rumination <%>	Current Eating <%>	Code
1	65	999	411	1	Milk	Pregnant	-21	18	

Legend Normal Size Days: 3 + -





Group monitoring reports

AfiCollar farm

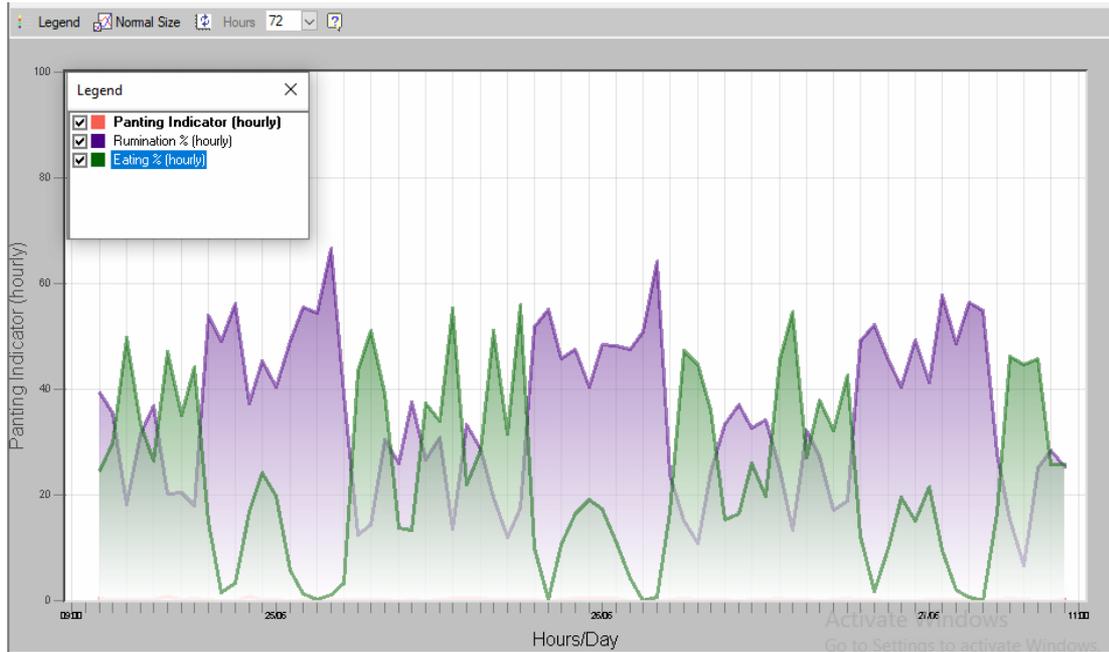
- Heat stress report
- Group digestion report

AfiAct II farms

- Comfort report

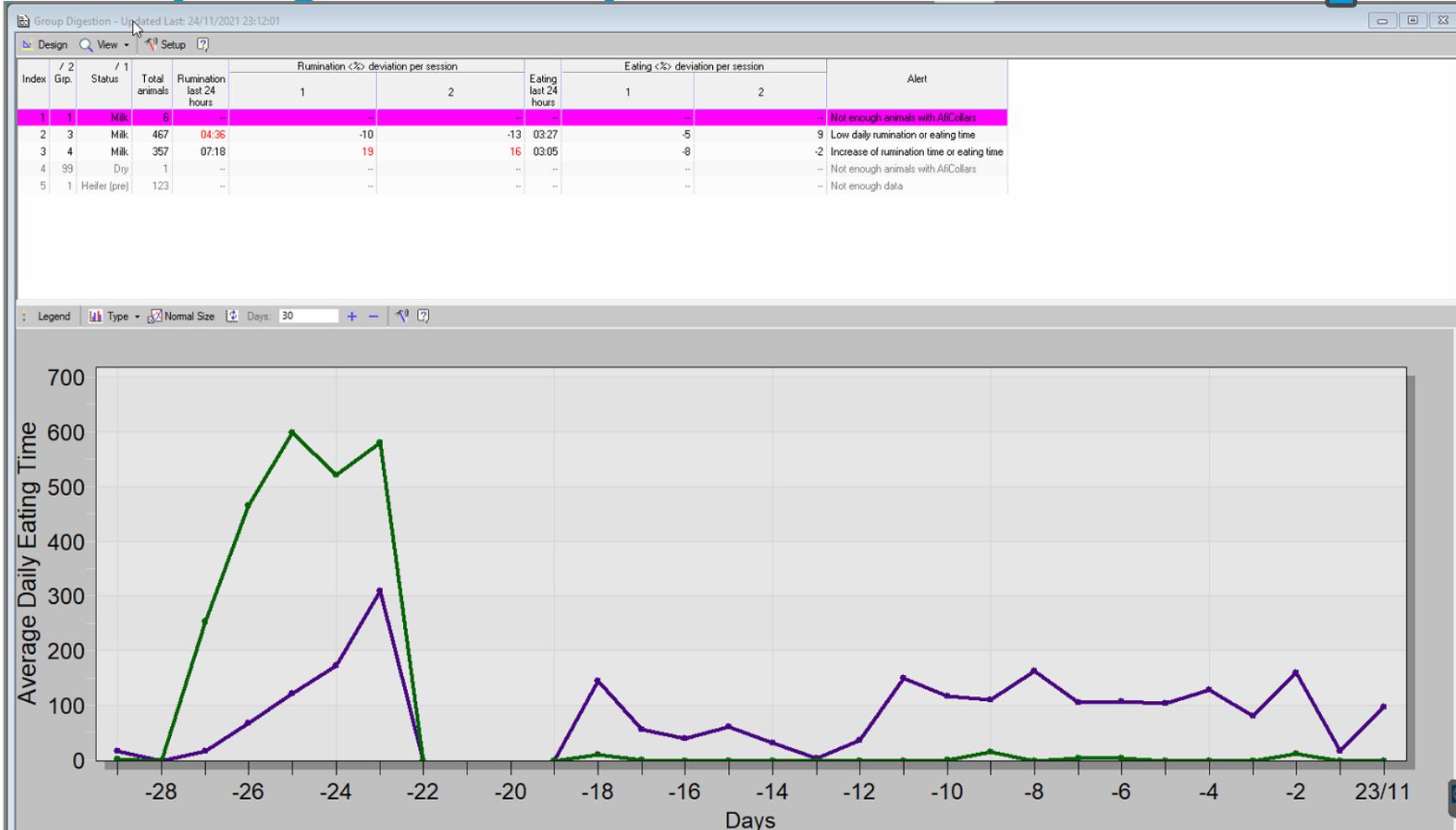
Heat stress report

- Group trends of heat/panting, alongside with rumination and eating
- Useful for monitoring and better planning of climate control



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Group digestion report



Group comfort report



Calving animal report

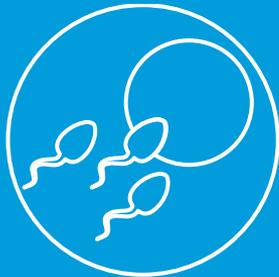


Calving Animals Report - Updated Last: 31/03/2020 20:15:06

Refresh Calving 7

Index	Cow	Grp.	Group name	Status	Lact. no.	Days preg.	DIM	Dry days	Amount of embryo	Time since calving detection (hh:mm)	Induction Date
1	4891	6	2006 Tarie Holstein	Dry	3	263	290	33	1	06:56	--
Total	--	--	--	--	--	--	--	--	1	--	--
Avg.	--	--	--	--	--	263	290	33	1	--	--

Automation and management of dairy farms





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Thank you