afimilk®

CREATING THE FUTURE OF DAIRY FARMING

Nicolas Moitié

About Afimilk

Founded in 1977 – Kibbutz Afikim (Israel)

1979 : first electronic milk meter in the world
1984 : first pedometer for heat detection
1993 : first dairy farm managment system
2008 : first in-line milk analyzer
2019 : first collar with heat and health issue detection

operating in **>50** countries

~15,000
farms automated by Afimilk

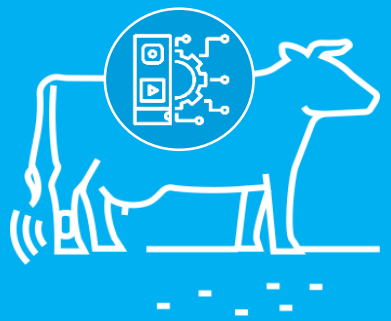
>10 million
cows managed by AfiFarm SW

8 rotaries working together in a single farm, managed by Afimilk system

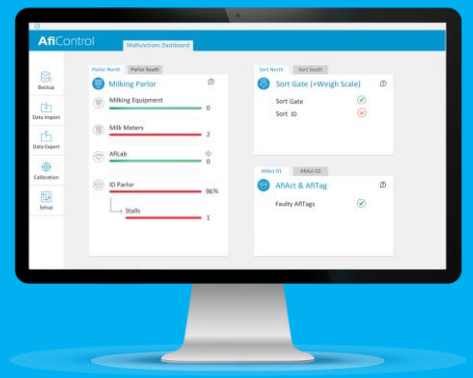
~110,000 milking cows-largest herd managed using Afimilk automation

~1.4 million
cows already managed using **AfiFarm 5.3**

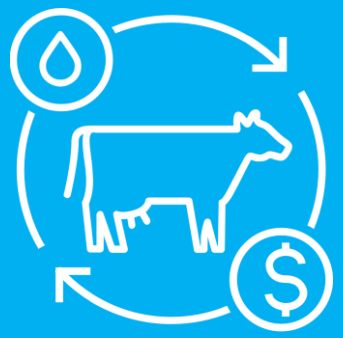
Aiding dairy farmers in:



Running a scalable business

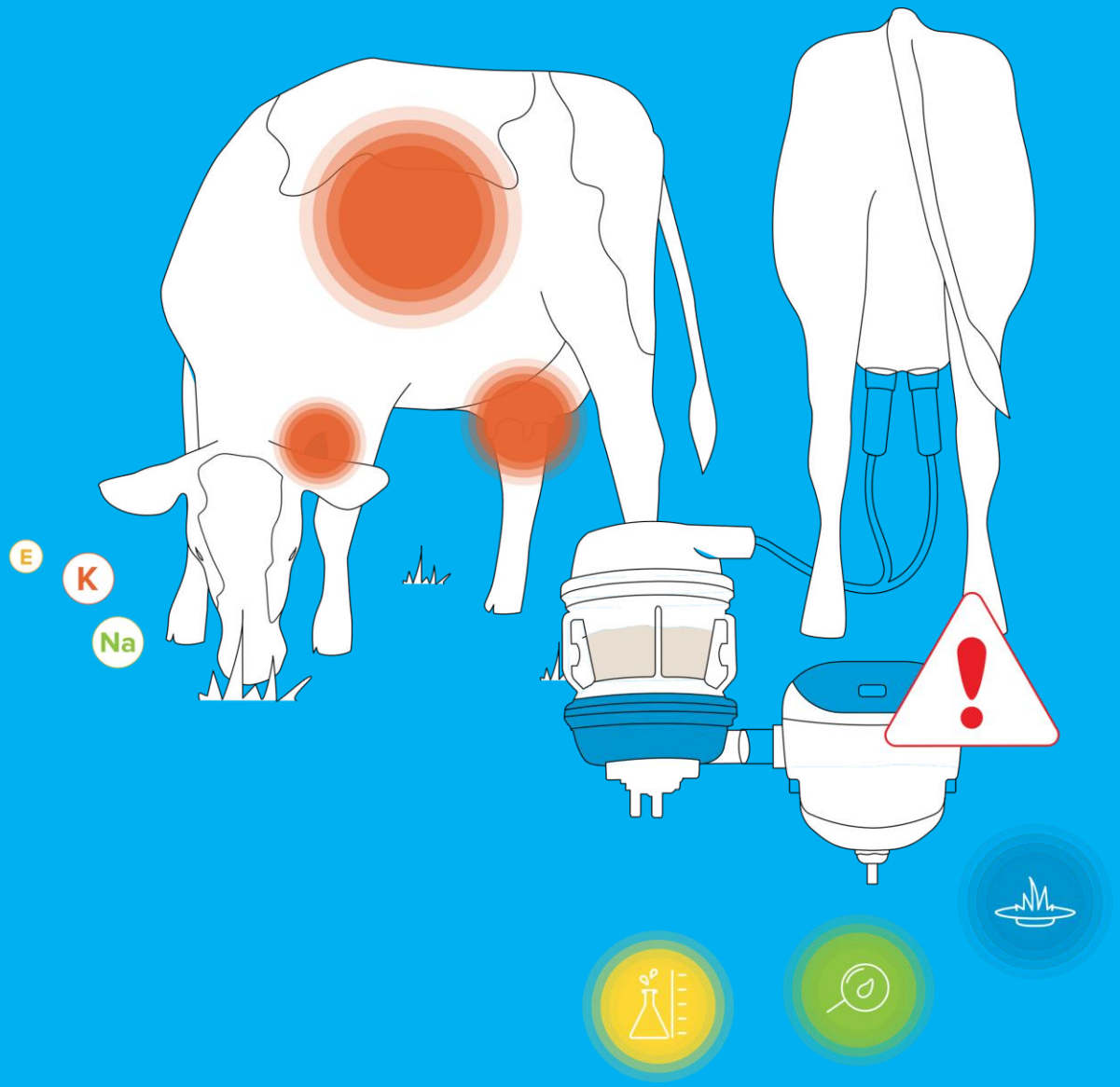


Turn milk into valuable data



Getting more & better milk per cow

Best sensors for accurate data

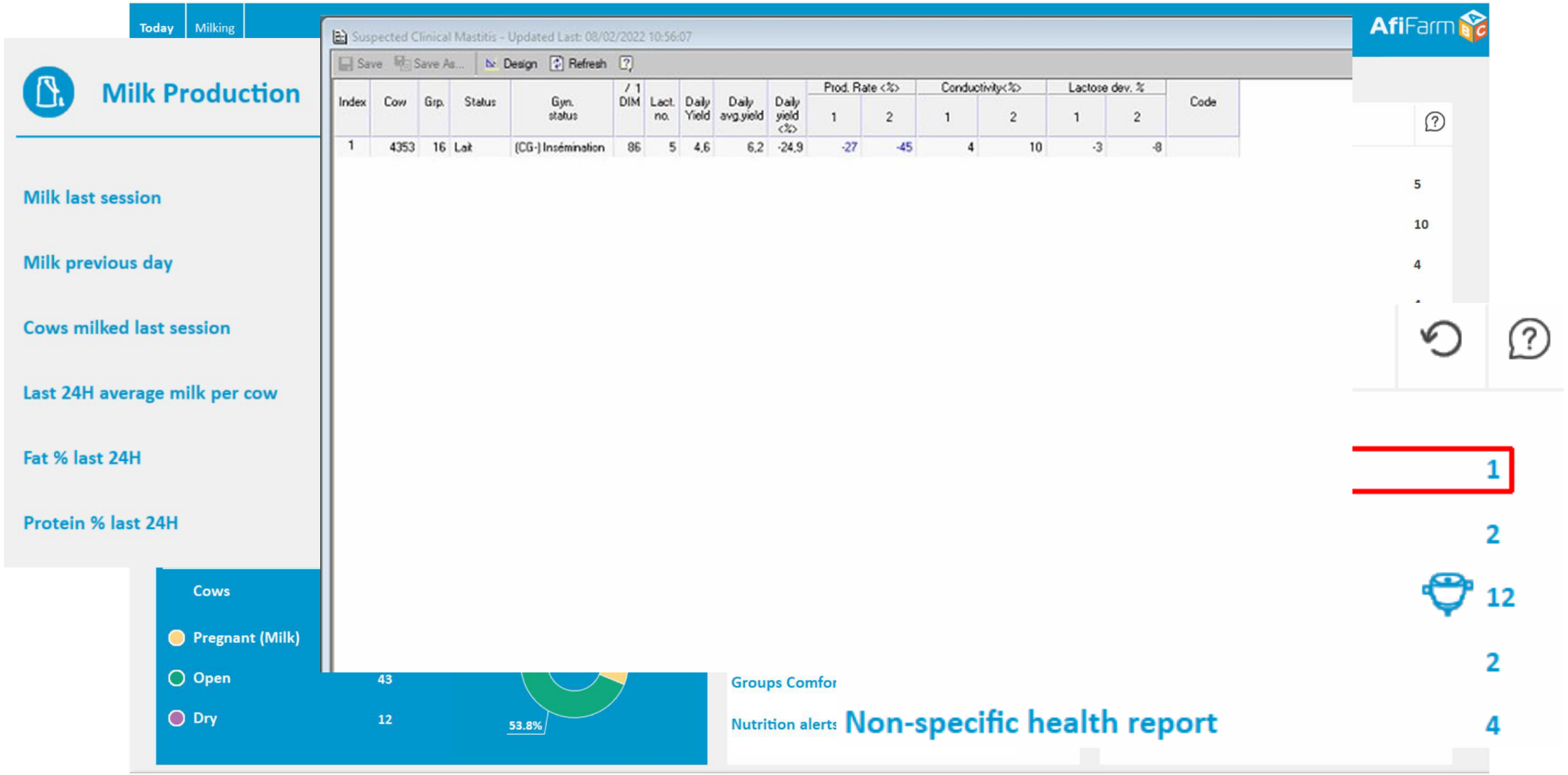


What we monitor :

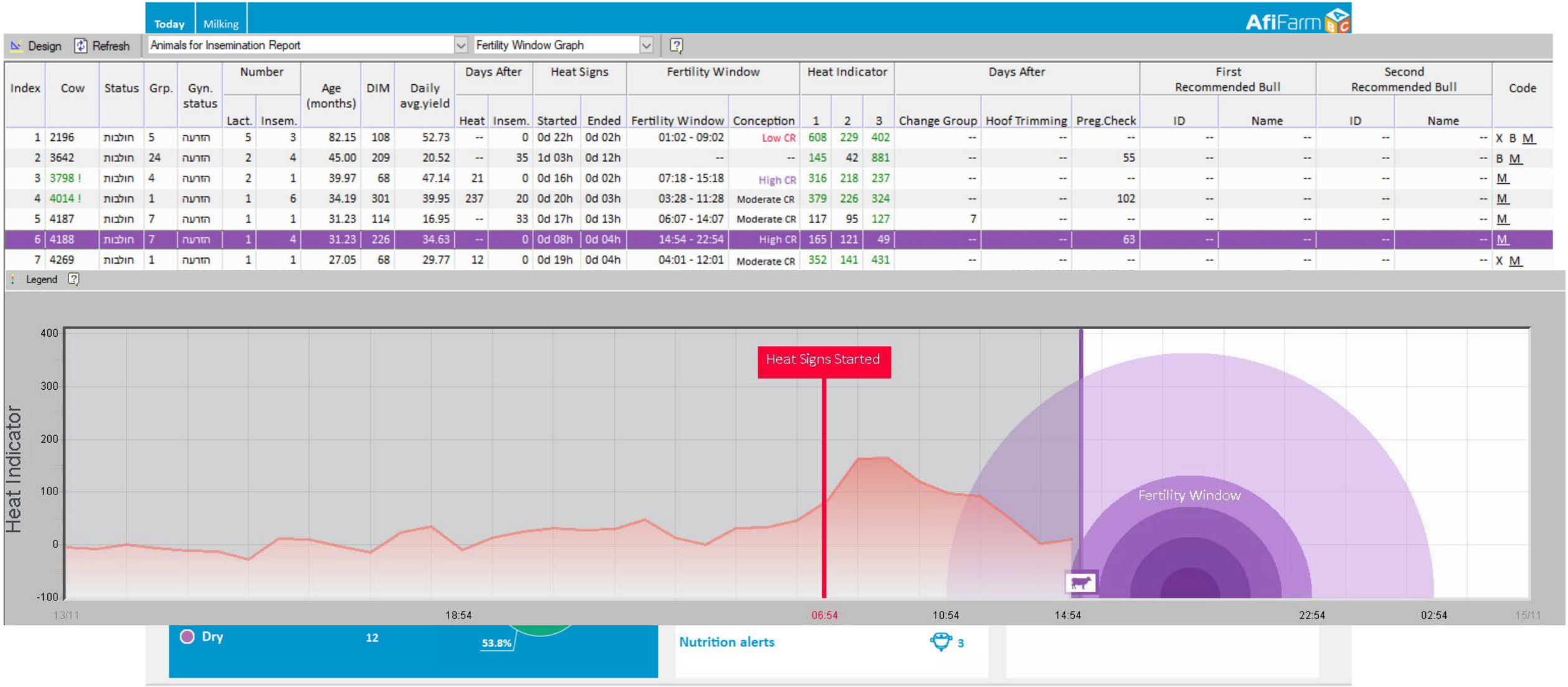
- Milk production
- Milk conductivity
- Fat
- Protein
- Lactose
- Activity
- Eating/Rumination
- …

From sensors to data…

All the main informations on the dashboard



Know your cows in heat at a glance

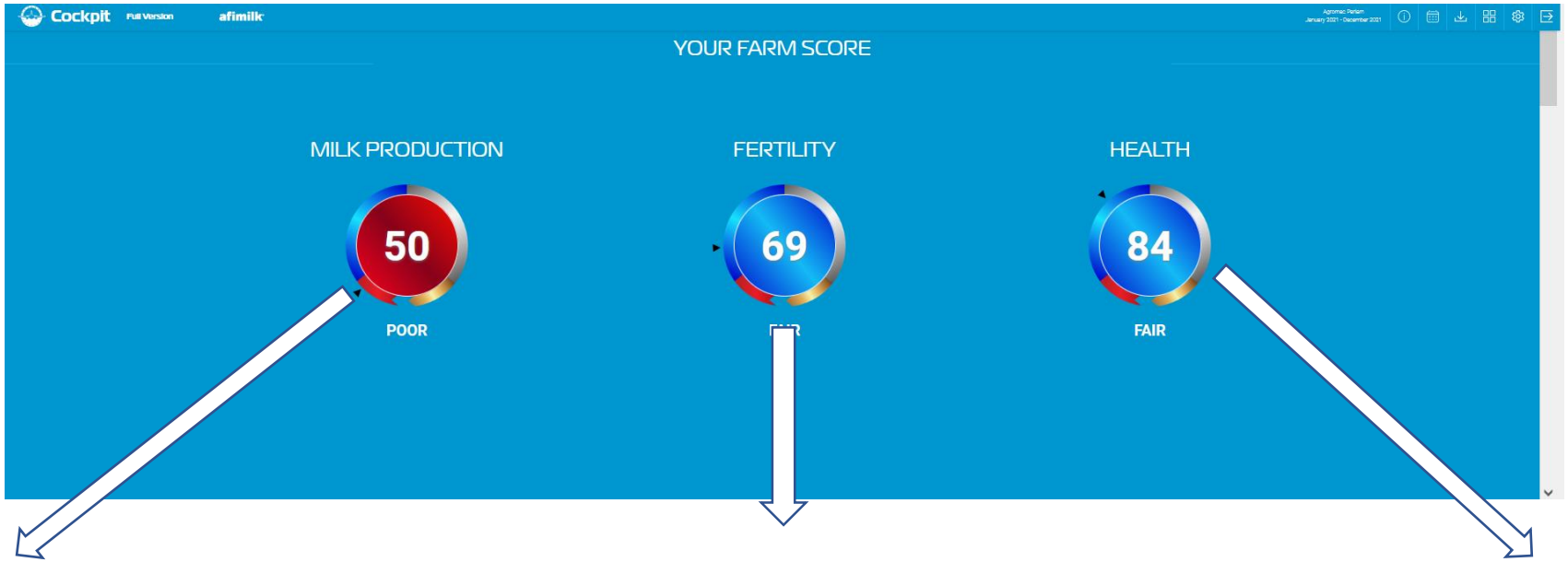


Index	Cow	Status	Grp.	Gyn. status	Number		Age (months)	DIM	Daily avg.yield	Days After		Heat Signs		Fertility Window		Heat Indicator			Days After			First Recommended Bull		Second Recommended Bull		Code
					Lact.	Insem.				Heat	Insem.	Started	Ended	Fertility Window	Conception	1	2	3	Change Group	Hoof Trimming	Preg.Check	ID	Name	ID	Name	
1	2196	חולבות	5	הזרעה	5	3	82.15	108	52.73	--	0	0d 22h	0d 02h	01:02 - 09:02	Low CR	608	229	402	--	--	--	--	--	--	--	X B M
2	3642	חולבות	24	הזרעה	2	4	45.00	209	20.52	--	35	1d 03h	0d 12h	--	--	145	42	881	--	--	55	--	--	--	--	B M
3	3798 !	חולבות	4	הזרעה	2	1	39.97	68	47.14	21	0	0d 16h	0d 02h	07:18 - 15:18	High CR	316	218	237	--	--	--	--	--	--	--	M
4	4014 !	חולבות	1	הזרעה	1	6	34.19	301	39.95	237	20	0d 20h	0d 03h	03:28 - 11:28	Moderate CR	379	226	324	--	--	102	--	--	--	--	M
5	4187	חולבות	7	הזרעה	1	1	31.23	114	16.95	--	33	0d 17h	0d 13h	06:07 - 14:07	Moderate CR	117	95	127	7	--	--	--	--	--	--	M
6	4188	חולבות	7	הזרעה	1	4	31.23	226	34.63	--	0	0d 08h	0d 04h	14:54 - 22:54	High CR	165	121	49	--	--	63	--	--	--	--	M
7	4269	חולבות	1	הזרעה	1	1	27.05	68	29.77	12	0	0d 19h	0d 04h	04:01 - 12:01	Moderate CR	352	141	431	--	--	--	--	--	--	--	X M

We define goals together

BUT YOU ARE THE PILOT !

Cockpit



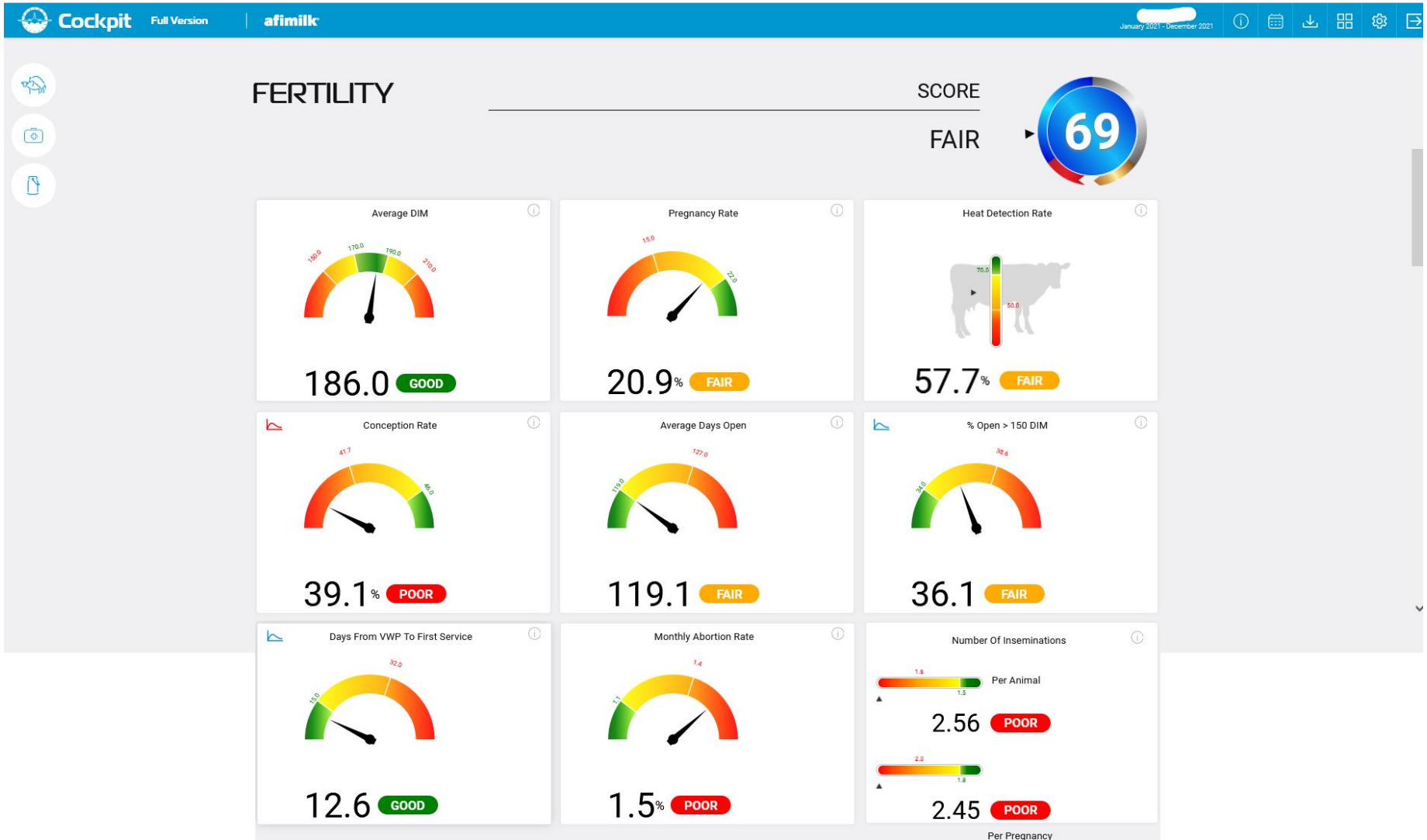
Follow up closely your milk production from season to season
‘’I’m decreasing in milk’’

Am i reaching my goals with fertility ?

Is my herd healthy ?

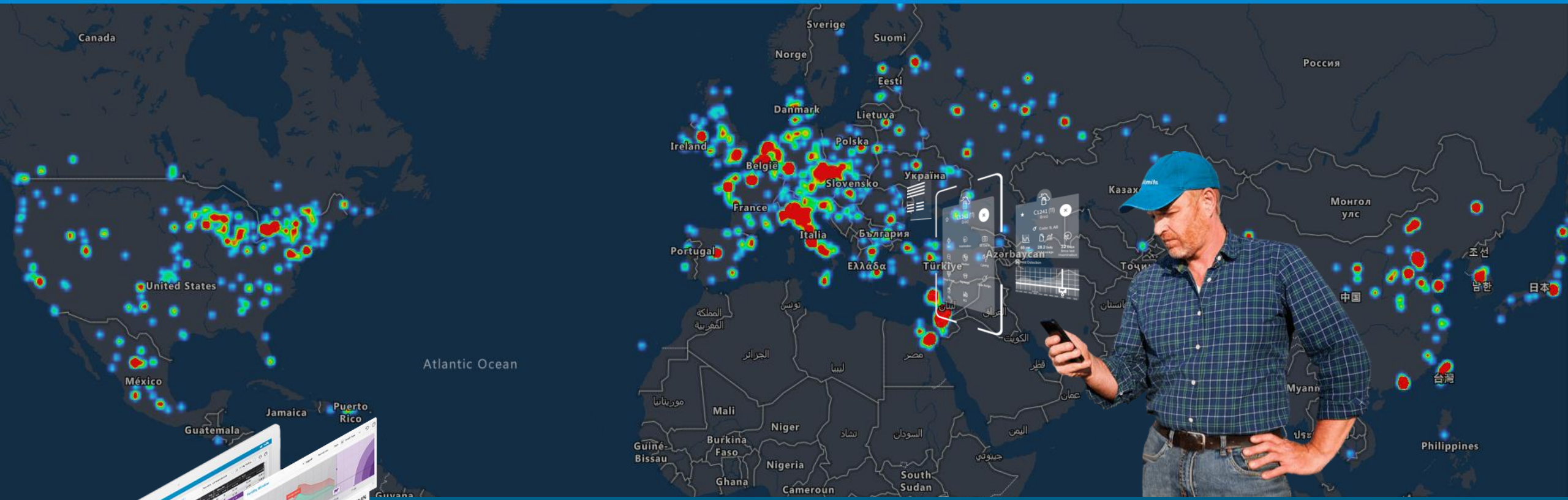
Intuitive specific dashboard

Cockpit



afimilk WORLDWIDE 2,969,138 Animals | 2,345 Farms

Animals ✓ Farms



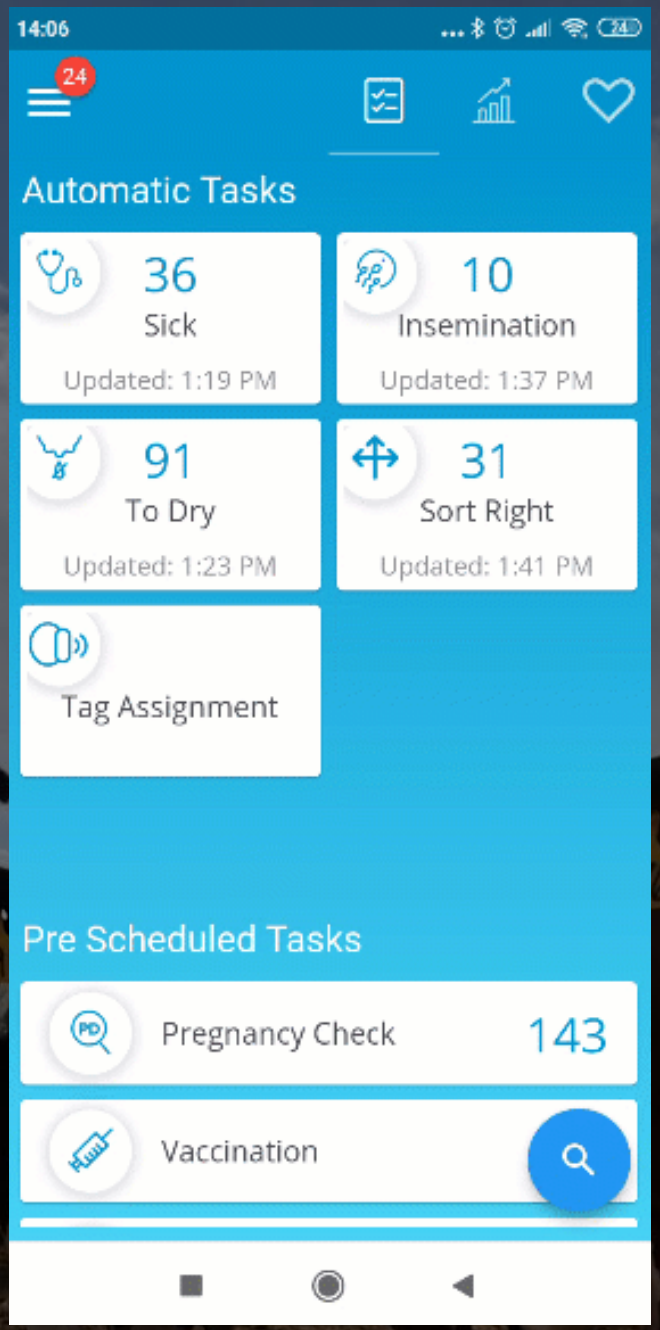
~2500 farms 3 millions cows online !

afimilk®

17:03
Automatic Tasks
31
Sick
Updated: 22-Sep
6
Insemination
Updated: 22-Sep
16
To Dry
Updated: 22-Sep
21
Sort Treatment 1
Updated: 12-Oct
19
Sort Treatment 2
Updated: 12-Oct
Pre Scheduled Tasks
Pregnancy Check 64
Vaccination 11
Synch Protocols 6
Group change
Afi2Go Prime
WELCOME TO THE PAPERLESS FARM
afimilk®
Automating Dairy Farms

Afi2Go Prime

The manager's angle



Worklists - automated

Tasks – by manager

Tasks Progress bar

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Afi2Go Prime

Go mobile: 5 Sec / Cow

Afi2Go Prime

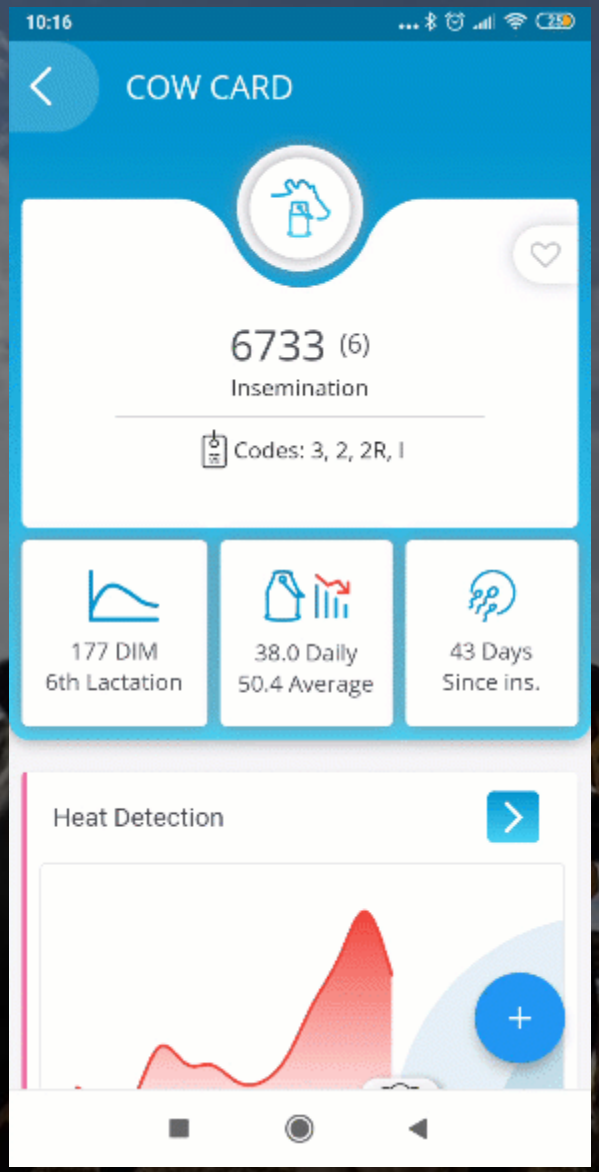
Your cow's information at your finger tip...

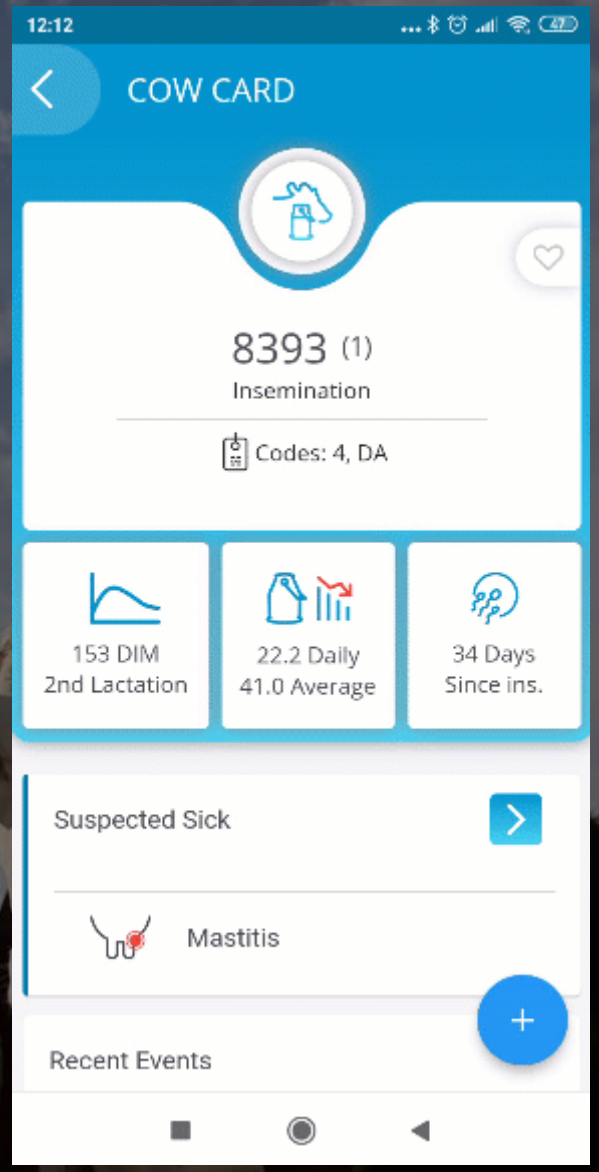
Status

interactive widgets

Action center

30 Days History





PAPERLESS FARM WITH Afi2Go Prime

Management tool:

- Worklists - automated
- Tasks – by manager
- Tasks Progress bar
- Dashboard

Fast & efficient operation:

- Tag Assign
- Health: 5 sec/cow
- Inseminate: 5 sec/cow

Interactive:

- Interactive Cow Card
- Notifications

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Automating Dairy Farms

New ! AfiCollar : what AfiFarm 5.5 can bring to my farm?

AfiCollar Enhancements

NEW

Sick Cows

Improved Visualization

- Non-specific health (individual cow view): hourly graph
- Especially useful for heifers and transition animals, with no milk data

AfiFarm™ 5.5

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AfiCollar Enhancements

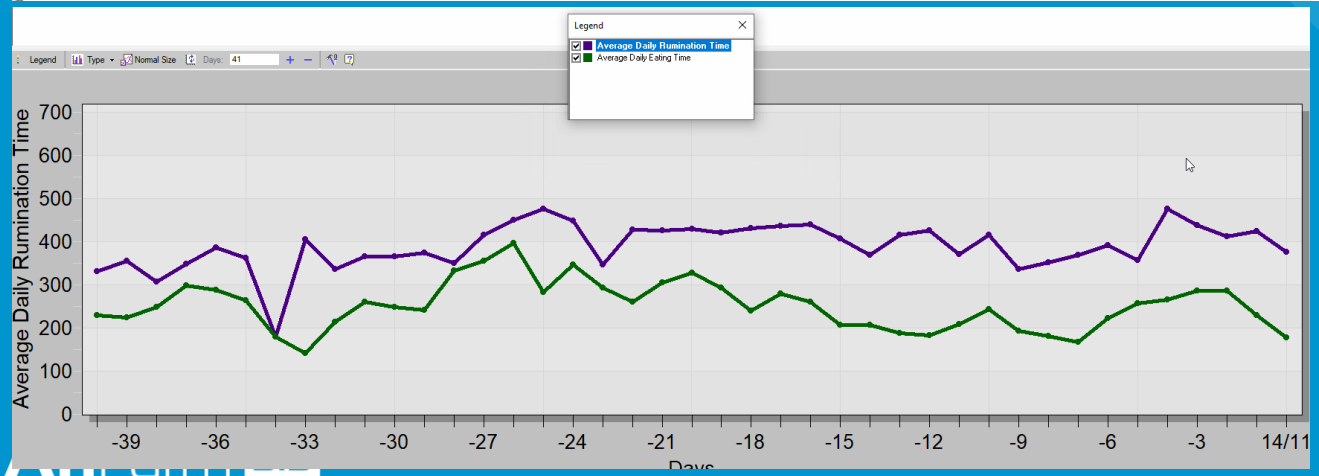
Group Digestion report.

Eating and rumination are critical aspects of a dairy cow's life
Eating or rumination changes on a group level indicates a feed or feeding issue or environmental changes

Group Digestion - Updated Last: 15/11/2021 04:23:26

Design | View | Setup

Index	/ 2 Grp.	/ 1 Status	Total animals	Rumination last 24 hours	Rumination <%> deviation per session		Eating last 24 hours	Eating <%> deviation per session		Alert
					1	2		1	2	
1	1	Milk	464	06:50	-2	18	03:12	-12	-28	Low daily rumination or eating time
2	2	Milk	190	06:36	-3	4	03:30	-19	-2	Low daily rumination or eating time
3	3	Milk	61	06:17	-4	6	03:02	-18	-23	Low daily rumination or eating time
4	8	Milk	16	--	--	--	--	--	--	Not enough animals with AfiCollars



NEW

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AfiCollar Enhancements

Heat Stress Detection.

NEW

Group trends
of heat/panting, alongside with rumination and eating

Useful for monitoring
and better planning of climate control

AfiFarm™ 5.5

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Thank You!
Hvala ti!

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