



At the Heart of Your Dairy

What's NEW at VAS?



Sue Hart, Vice President of Sales and Marketing

New CEO – Tim Taylor



New Culture



What we are all about

VAS is the global leader in dairy operations software

We provide a full suite of cloud-based and on-premise software solutions for dairy operations.

We have applications in:

- Herd Management
- Feed Management
- Parlor Management
- Mobility and Workflow
- Analytics and Dairy Intelligence

We provide integration between on-farm and off-farm technologies



**“At the Heart of
Your Dairy”**

vas

Passion & Vision

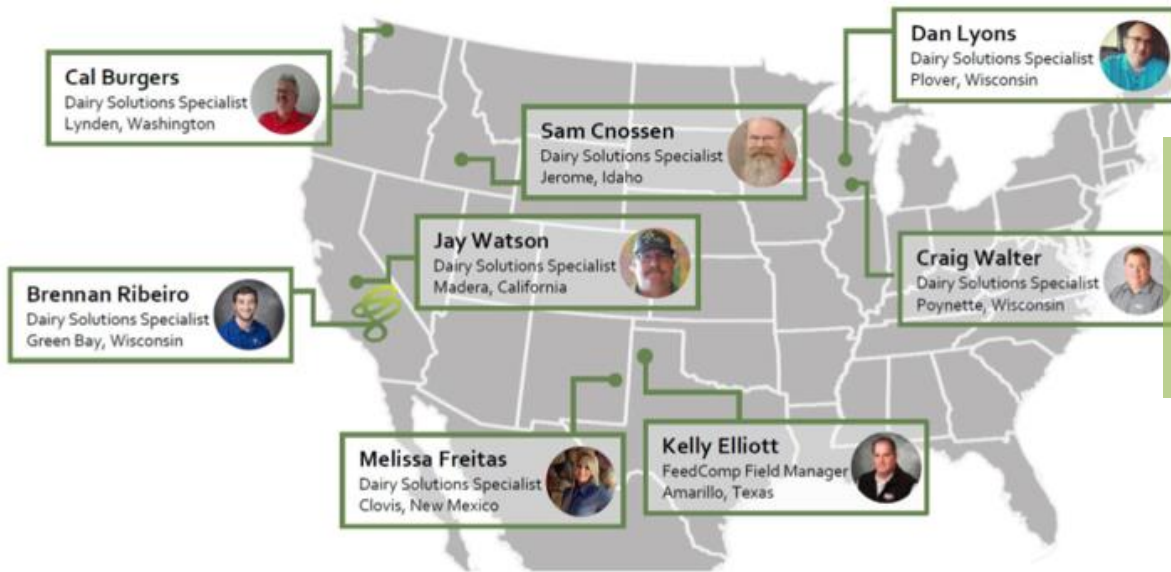
- Great business is fueled by showing up, listening to customers and being passionate about helping them improve
- VAS is committed to transparency and collaboration
- We are driven to make the entities around us successful
- Ultimately we will measure our success by the progress and transformation of the dairy ecosystem globally

A photograph of a man with dark hair, wearing a dark jacket and blue jeans, standing in a field of green crops under a cloudy sky. A semi-transparent green rectangular box is overlaid on the image, containing the text "Build Relationships".

**Build
Relationships**

vas

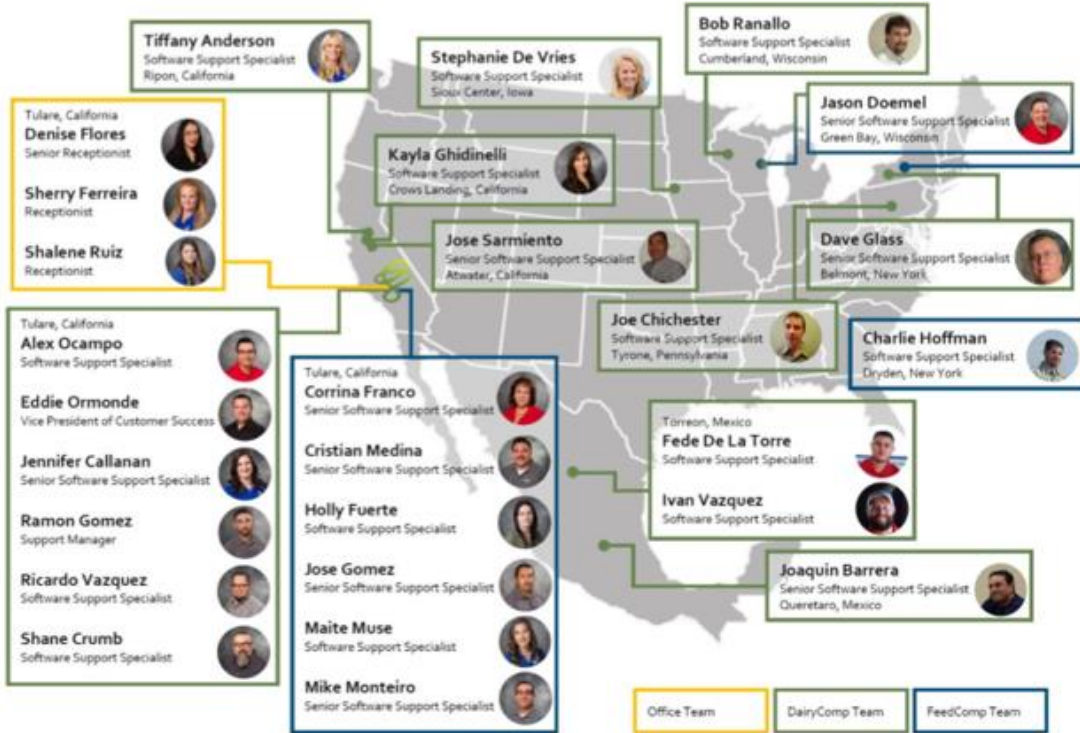
Passion & Vision



Build Relationships



Passion & Vision

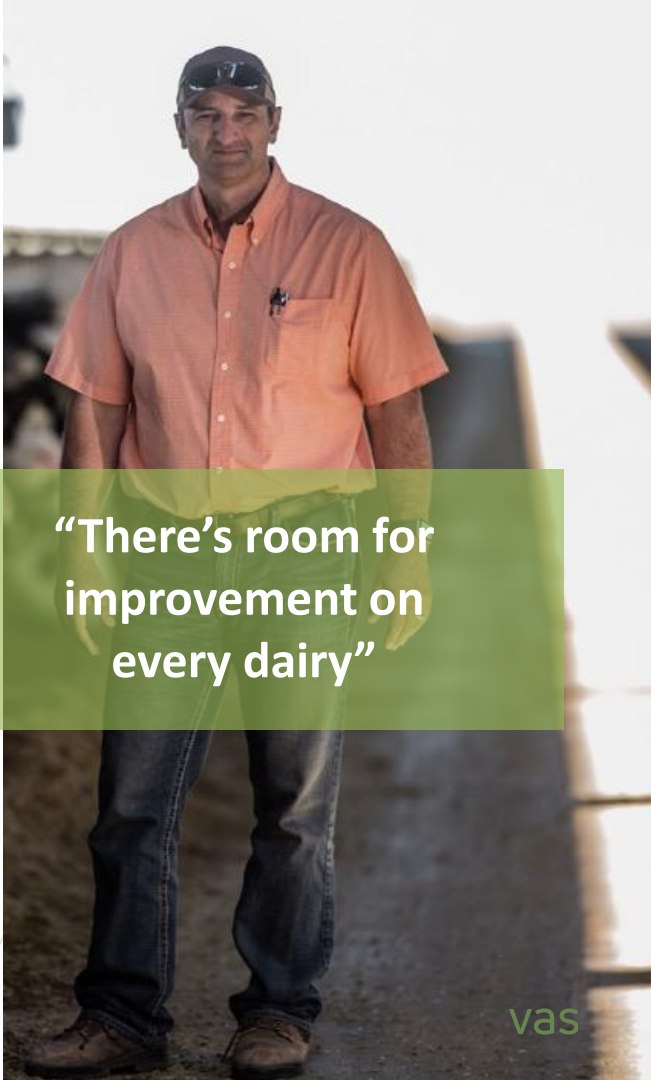


Build Relationships



Needs in the Dairy Industry

- Collaboration among dairies, providers and stakeholders
- Connectivity and data flow
- Analytics and decision tools
- Improved dairy operations, process flow and performance
- Transparency and traceability in the ecosystem

A man wearing a cap, an orange short-sleeved button-down shirt, and jeans stands in a dairy farm setting. A semi-transparent green box is overlaid on the image, containing a quote.

“There’s room for improvement on every dairy”

VAS Platform — Now Available!

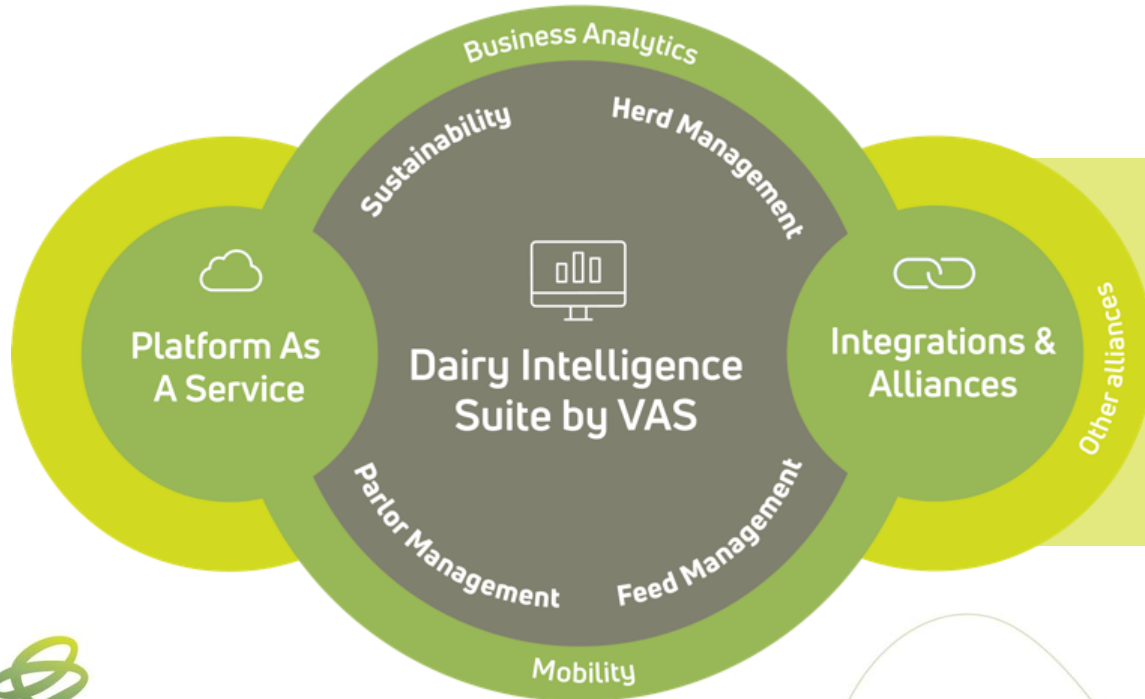


Your Data. Anytime. Anywhere.

For more information, please contact us at 888-225-6753
or visit our website www.vas.com.



Transparency Platform



Improve Communications:

Lely, DeLaval, SCR, Nedap, CowManager, Afimilk

New Integrations:

AgSource, CafoPro, Smartbow, Holm & Laue, Forester-Technik, Hoof Supervisor and many more to come!

Dashboarding and Business Intelligence

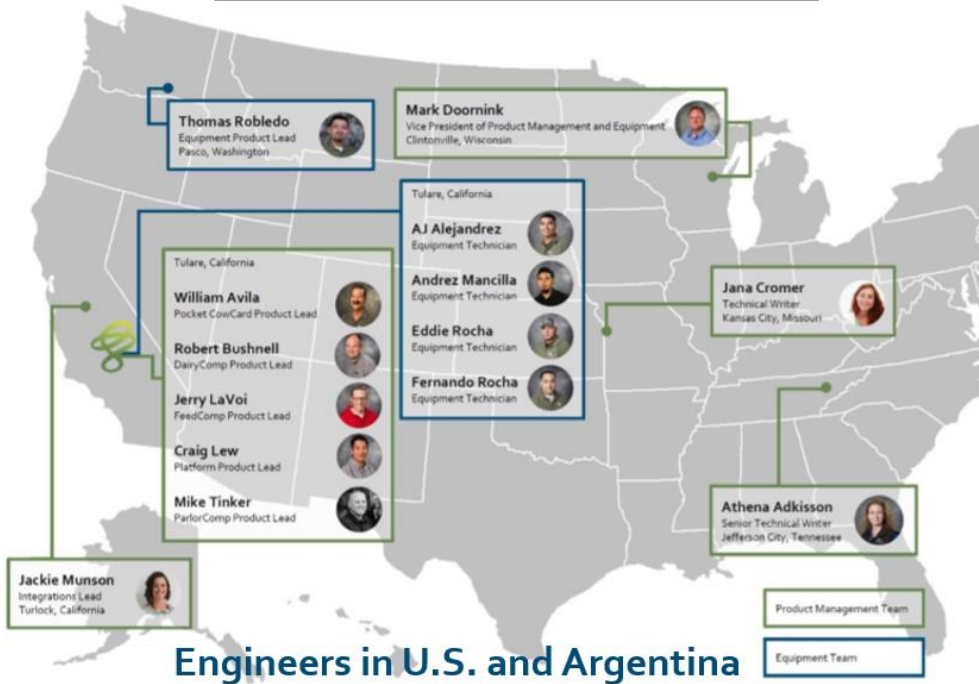
- The VAS Platform brings together the three critical components of the dairy – herd, feed and parlor – into a single screen
- Allows for faster, well-informed business decisions to be made
- Access to information from any web-connected device saves time, effort and resources in collecting and analyzing data
- Integrated, streamlined reporting capabilities in a single solution



The screenshot displays the Freedom Dairy dashboard interface. At the top, navigation tabs include 'Dairy', 'Dashboard', 'Pens', 'DairyComp', 'FeedComp', and 'ParlorComp'. The main content area is titled 'Dairy Dashboard' and contains several data visualization components:

- Cows: 21-day Pregnancy Risk:** A stacked bar chart showing pregnancy risk (green), insemination risk (blue), and pre-breeding (grey) across four dates: 10/28/18, 11/16/18, 12/05/18, and 12/20/18. The y-axis represents the percentage of cows, ranging from 0 to 120.
- Cows: Conception Rate:** A bar chart showing the percentage of cows that conceived across 8 breeding attempts. The y-axis is labeled 'Percent' and ranges from 0 to 120. The legend includes '% CONCEPTION RATE' (green), '% CONCEPTION RISK' (dark green), '% MANY REBREDS' (red), 'WARNING! MANY OPENS' (orange), and 'MANY UNKNOWN BREED OUTCOMES' (yellow).
- Cows: Events:** A table listing various events and their counts for each day of the week (MON, TUE, WED, THU, FRI, SAT, SUN).
- Weather Forecast:** A section for Madison, Wisconsin, showing the current weather (Clear, 0°F) and a 7-day forecast with high/low temperatures and weather icons.

Product Development Team

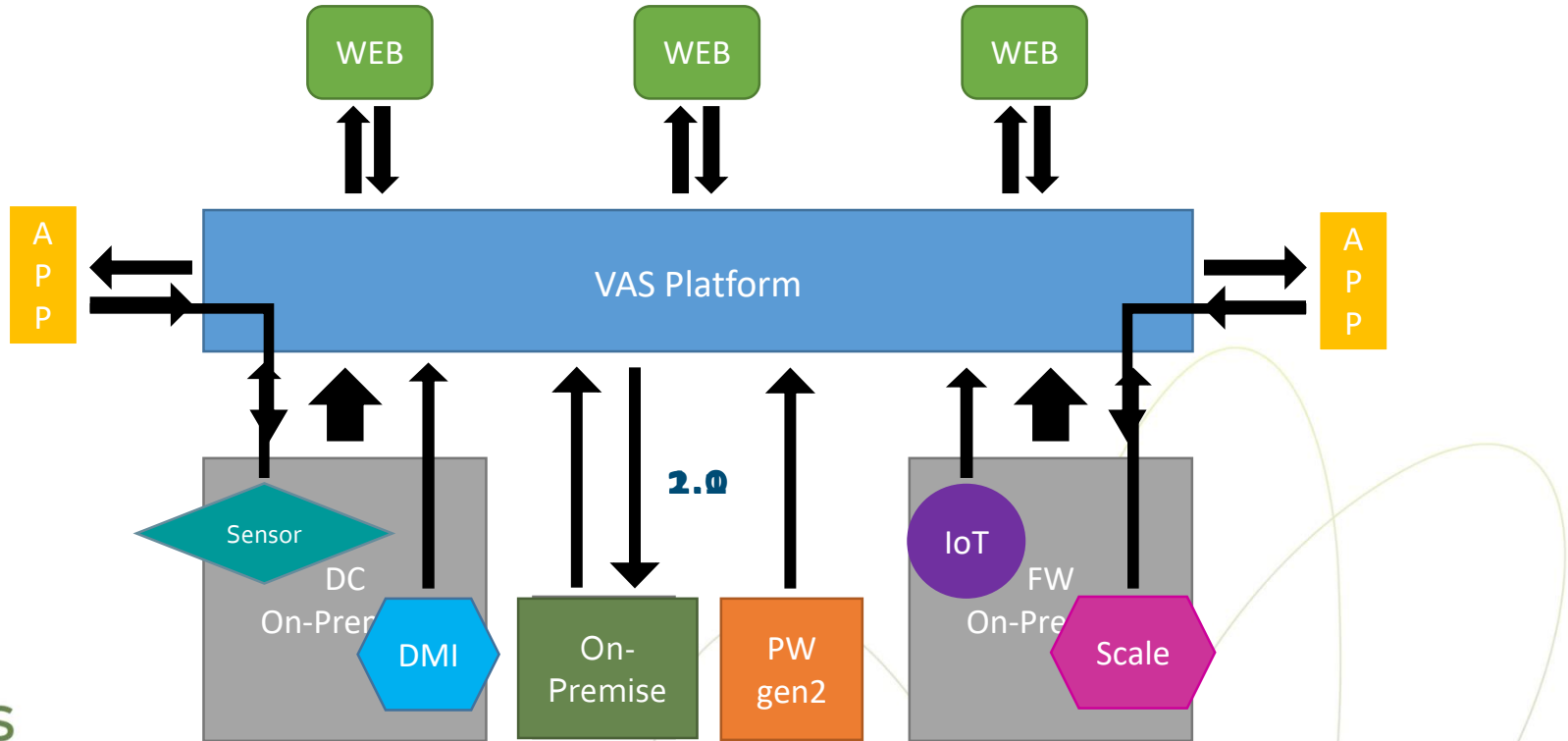


Engineers in U.S. and Argentina

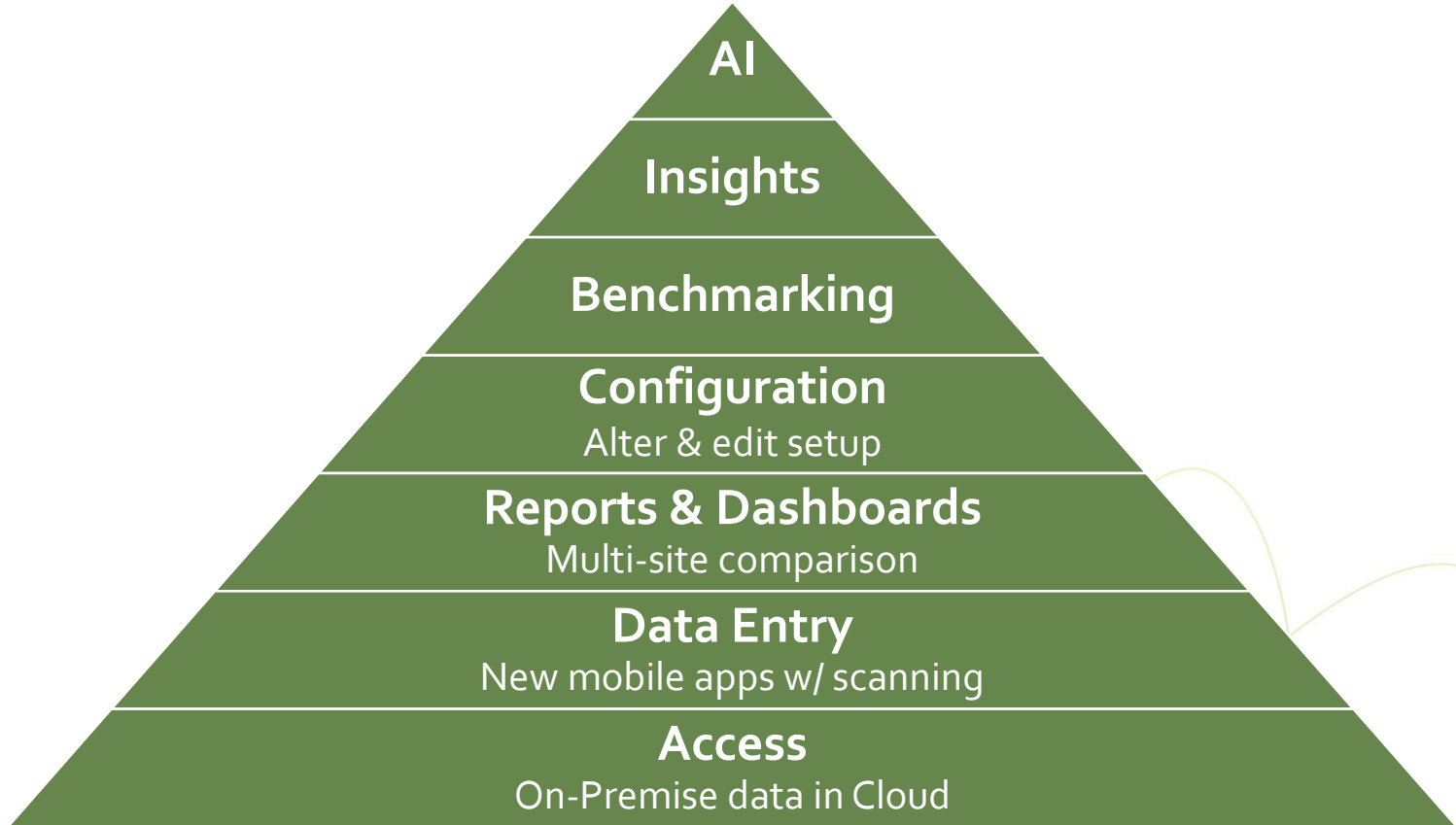
13 Product leads, UX/UI and 30 VAS Engineers in the U.S. and Argentina



Transition to the VAS Platform



Platform Progress



VAS Solution Delivery

Animal Inventory
Embryo Module
API for data exchange
Data Entry on VAS Platform
Launch ParlorComp
More Dashboard widgets

Platform Reports with DairyComp & FeedComp
Multi-Site dashboards
CowCare 2.0
Multi-Site Analysis
More Dashboard widgets

2018

Q1

2019

Q2

2019

Q3

2019

Q4

2019

Launched VAS Platform
CowCare 1.0
Launched FeedComp
Configurable Dashboards
View CowCard Data

Data Entry on VAS Platform
VAS Platform Reports
Multi-Site KPI Comparison
CowCare 2.0
Mobile Worklist
More Dashboard widgets

Mobile Workflow guidance
Launch WeighRite 2.0
Multi-Company Dashboard
Platform as a Service

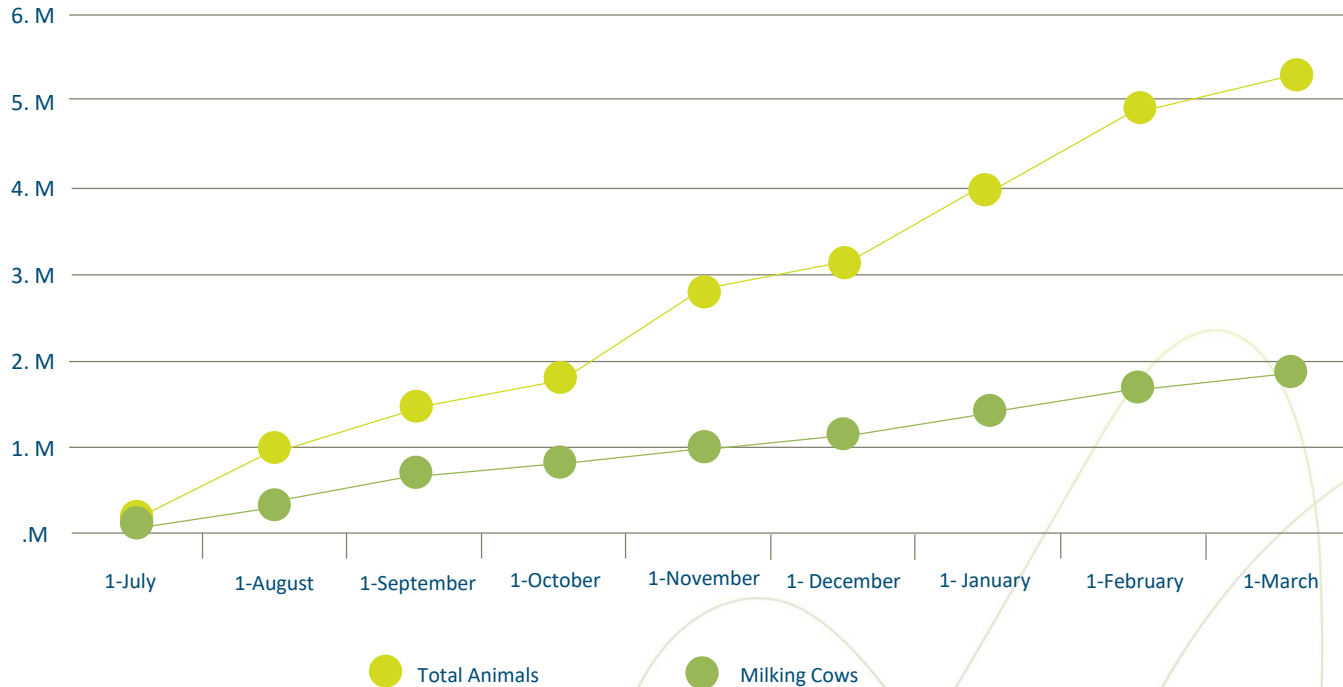


Industry Integrations

Improve Communications: Lely, DeLaval, SCR, Nedap, CowManager, Afimilk

New Integrations: AgSource, CafoPro, Smartbow, Holm & Laue, Foerster-Technik, Hoof Supervisor and many more to come!

Platform Adoption



VAS Platform

Demo



Our Products

DC

DairyComp

Manage your herd easily and accurately with the world's leading herd management software

FC

FeedComp

Boost your bottom line with increased efficiency and decreased waste with your feed

PC

ParlorComp

Capture key information that will aid in production management while monitoring the performance of milkers in the parlor



vas

DairyComp

- The cow is the center of the milk production universe
- All animal information (health, treatment, reproduction, milk production) is stored in one centralized program, easily accessible by the dairyman
- Easy access and reporting of data helps producers make proactive decisions about handling and treatment, ensuring optimal cow uptime and production



The screenshot displays the DairyComp software interface. At the top, there's a navigation bar with tabs for 'Dairy', 'Dashboard', 'Pens', 'DairyComp', 'FeedComp', and 'ParlorComp'. Below this, a sub-navigation bar shows 'FREEDOM DAIRY', 'DAIRYCOMP', 'COWS', and '14735'. A summary card for '14735 COW ALIVE' includes statistics: PEN 5, LACT 4, RPRO PREG, DIM 298, DSLH 190, DCC 190, and DUE 05/30/19. Below the summary are tabs for 'OVERVIEW', 'ITEMS', 'EVENTS', 'TESTDAYS', 'LACTATIONS', 'DAILY MILK', and 'PEN CHANG'. The main content area is titled 'Testdays' and shows two tables of testday results.

LACTATION 4 - Testday results Current

DATE	DIM	MILK	PCTF	PCTP	FCM	305ME	RELV	SCC
01/15/19	253	67*	3.7	3.1	69	30350	102	0
12/11/18	218	73	3.6	3.0	74	29900	100	342
11/12/18	189	108	3.5	3.0	108	31720	106	341
10/02/18	148	112	3.9	2.8	119	29740	99	1137
09/04/18	120	124	2.8	2.7	110	29580	98	313
08/07/18	92	121	3.1	2.8	113	27640	92	756
07/10/18	64	124	3.6	2.8	126	26590	88	619
06/12/18	36	88	4.1	2.7	97	22850	76	358
05/15/18	8	58	6.7	4.0	88	21820	73	961

LACTATION 3 - Testday results Previous

DATE	DIM	MILK	PCTF	PCTP	FCM	305ME	RELV	SCC
04/03/18	310	0	0.0	0.0	0	31580	100	0
03/06/18	282	60	4.2	3.1	67	31600	100	95
02/06/18	254	69	3.9	3.1	73	31710	100	92
01/08/18	225	78	4.5	3.8	91	31610	100	12
12/12/17	198	92	3.4	3.0	91	31700	100	37
11/14/17	170	106	4.3	3.1	120	31590	100	33
10/03/17	128	121	3.5	2.9	121	31010	98	24
09/05/17	100	121	3.2	2.7	115	29460	93	16
08/08/17	72	122	4.0	2.6	132	28180	89	19
07/11/17	44	112	3.5	2.8	112	26500	84	19
06/12/17	15	71	6.0	2.9	100	23650	75	24

LACTATION 2 - Testday results Previous

DairyComp

2019 Functionality Roadmap

Mobile

Data Entry of Worklists, Vet & Hospital Lists cow-side,
also with RFID

Configuration

Customization of DairyComp from a web browser

Embryo Module

Manage the collection and transfer embryos

DHI Integration

View vital DHI reports and herd statistics



CowCare – New Traditional DairyComp Added Feature



CowCare - Protocols

ALTER7: Protocols

Editing protocol 25 TOMRW_DRY_IMM

Description: TOMRW_DRY_IMM
Event: 11 DRY
Default Remark: TOMRW
Prompt for remark Y/N: Y
Destination Pen: 9

Make Active Y/N: Y
Allowed for Adults: Y
Allowed for Heifers: Y
Days to Recheck: 0
Total treatment cost: 0
Technician Team (Optional): Hospital

Save
Cancel
Drugs
Details

Details

Add Drug Edit Drug Delete Drug

NADA	DrugName	Route	StartDay	Days	Dose	Milk	Meat
NADA 108-114	ToMORROW®	I.M.	1	1	4	3	42

CowCare: Withdrawal Schedule

Milk OK on treatment day: 5 (Differs from current value of 4)
Meat OK on treatment day: 44 (Differs from current value of 43)
Overall Days on Protocol: 1

Check to accept the withdrawal values entered above

CowCare – Track Drugs

Double click a drug to modify it Add a drug not on this list

Search for a Drug

Name	NADA	Route
Essential 4	USDA 108	I.M., S.C.
EssyPLAN®	NADA 200-310	I.M.
Estimate®	NADA 113-645	I.M.
Excenel® Sterile Suspension for Cattle	NADA 141-209	S.C.
Excenel® Sterile Suspension for Cattle	NADA 141-209	S.C.
Excenel® Sterile Suspension for Cattle	NADA 141-209	S.C.
Excel with MS5 Calf Milk Replacer	NADA 141-209	S.C.
Excel with MS5 Calf Milk Replacer	nr	nr
Excenel® RTU EZ Sterile Suspension	NADA 141-288	I.M., S.C.
Excenel® RTU EZ Sterile Suspension	NADA 141-288	I.M., S.C.
Excenel® RTU EZ Sterile Suspension	NADA 141-288	I.M., S.C.
Excenel® RTU Sterile Suspension	NADA 140-890	I.M., S.C.
Excenel® RTU Sterile Suspension	NADA 140-890	I.M., S.C.
Excenel® RTU Sterile Suspension	NADA 140-890	I.M., S.C.
Excel® 9.7	EPAR 53883-264-00940	Premix
Excel® Gold Synergized Pour On	EPAR 53883-24-00940	Premix
Excel® Gold Synergized Pour On	EPAR 53883-24-00940	Topical
Excel® II Synergized Pour On	EPAR 53883-25-00940	Topical
Excel® II Synergized Pour On	EPAR 53883-25-00940	Premix
Express® 3	USDA 124	S.C.
Express® 5	USDA 124	S.C.
Express® 5 HS	USDA 124	S.C.
Express® FP 10	USDA 124	I.M., S.C.
Express® FP 10 HS	USDA 124	S.C.
Express® FP 3 MS	USDA 124	I.M., S.C.
Express® FP 5	USDA 124	I.M., S.C.
Express® FP 5 MS	USDA 124	I.M., S.C.
Express® I	USDA 124	S.C.
FBP23™ ES	EPAR 20187-6-20039	Premix
Factril® Injections	NADA 139-237	I.M.
Factril® Injections	NADA 139-237	I.M.
Fastrack® Calf Bolus		Oral
Fastrack® Jump-Start™ Gel		Oral
Fastrack® Liquid Dispensible		nr
Fastrack® Moxal Bolus		In the feed
Fastrack® NatLift™		ds, In the feed, nr
Fastrack® Ruminant Bolus		Oral
Fastrack® Ruminant Moxal Bolus		Oral
Feca-Med		Not applicable

DRUG LABEL

Excenel® RTU Sterile Suspension, 227.170 mg/mL

ZOETIS INC.
 333 PORTAGE STREET, KALAMAZOO, MI 49007
 Telephone: 268-300-4114
 Customer Service: 888-382-8471
 Website: www.zoetis.com

Every effort has been made to ensure the accuracy of the information contained herein. However, the user should consult the product information contained on the label.

Excenel® RTU

Zoetis

Brand of ceftriaxone hydrochloride sterile suspension

For intramuscular and subcutaneous use in cattle and intravenous use in CAUTION: Federal (USA) law restricts this drug to use by or on the order of a licensed veterinarian.

DESCRIPTION

Excenel RTU Sterile Suspension is a ready to use formulation that contains the following antibiotic:

Each mL of this ready-to-use sterile suspension contains ceftriaxone hydrochloride equivalent, 225 mg white water for injection, and buffered at pH 7.0.

Structure:

Keep Open

Date:

View Label

Name	Excenel® RTU Sterile Suspension
NADA	NADA 140-890
ROA	I.M., S.C.

Draw:

Time: 1-0 mL/100 lb b.w. (see reference class 15 mL/200lb)

Frequency: q24h on Days 1 and 2

Dose: 1 mg/20 lb b.w.

Duration:









CowCare – Drug Usage

<input checked="" type="checkbox"/> Drug Usage <input type="checkbox"/> Reports <input type="checkbox"/> Documents <input type="checkbox"/> View Protocols <input type="checkbox"/> Manage Drugs <input type="checkbox"/> Inventory		Statuses to Show <input checked="" type="radio"/> Pending <input type="radio"/> Approved <input type="radio"/> No Treat <input type="radio"/> All											
		Refresh		Select Pen		Approve All Pending		Select All					
		Filter		Edit Selected		Approve Selected		Un-Select All				SELECT	
ID	Usage Date	Event	Pen	Premise	Tech Name	Protocol	NADA	Drug Name	Dose	Units	Lot ID	Route	Status
220	10/10/2018	MAST	10	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
253	10/10/2018	MAST	10	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
447	10/10/2018	MAST	10	VAS1234		NO TREATMENT		- No Drug -		1 Unit		OTHER	Pending
839	10/10/2018	MAST	10	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
1369	10/10/2018	MAST	10	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
1559	10/10/2018	MAST	10	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
1618	10/10/2018	MAST	10	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
8314	10/10/2018	KETOSIS	1	VAS1234	Robert	Glycol		Propylene Glycol		15 Unit		Oral	Pending
8980	10/10/2018	MAST	12	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
9124	10/10/2018	MAST	12	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
9946	10/10/2018	MAST	10	VAS1234		NO TREATMENT		- No Drug -		1 Unit		OTHER	Pending
1698	10/10/2018	MAST	10	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
104	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
129	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
220	10/09/2018	MAST	10	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
222	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
253	10/09/2018	MAST	10	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
310	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
352	10/09/2018	MAST	10	VAS1234	Robert	TODAY-POLY	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
352	10/09/2018	MAST	10	VAS1234	Robert	TODAY-POLY	NADA 055-030	Polyflex®		20 cc		I.M.	Pending
411	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
447	10/09/2018	MAST	10	VAS1234	Brian	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
447	10/09/2018	MAST	10	VAS1234		NO TREATMENT		- No Drug -		1 Unit		OTHER	Pending
468	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
483	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
826	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
839	10/09/2018	MAST	10	VAS1234	Robert	Today.QQ	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
839	10/09/2018	MAST	10	VAS1234	Robert	TODAY-POLY	NADA 097-222	ToDAY®		1 Unit		I.M.M.	Pending
839	10/09/2018	MAST	10	VAS1234	Robert	TODAY-POLY	NADA 055-030	Polyflex®		20 cc		I.M.	Pending
856	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
879	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
954	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
995	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
1007	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
1021	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending
1024	10/09/2018	DRY	9	VAS1234	Robert	TOMRW_DRY.IMM	NADA 108-114	ToMORROW®		4 Unit		I.M.M.	Pending



CowCare - Reports

-  Drug Usage
-  Reports
-  Documents
-  View Protocols
-  Manage Drugs
-  Inventory


Choose Report

Protocols


Protocols
 Protocols by Cow ID
 Protocol Usage Counts
 Drug Usage Counts
 Drug Usage (Approved)
 Drug Usage (Approved) by Cow ID
Drug Usage (All)
 Drug Usage (All) by Cow ID
 Inspector Report
 CowCare Activity Log
 Purchase/Shipment History
 Inventory Tape: All
 Inventory Tape: Purchases
 Inventory Tape: Usages
 Inventory Tape: Qty Resets
 Inventory Tape: New Drugs

Between

and

 Print

Start	End	Milk OK	Meat OK
09/11/2018	09/11/2018	09/14/2018	10/23/2018
09/19/2018	09/19/2018	09/19/2018	09/19/2018
09/14/2018	09/14/2018	09/14/2018	09/28/2018
09/18/2018	09/18/2018	09/18/2018	09/18/2018
09/20/2018	09/20/2018	09/20/2018	09/20/2018
09/21/2018	09/21/2018	09/21/2018	09/21/2018
09/18/2018	09/18/2018	09/21/2018	10/30/2018
09/30/2018	09/30/2018	10/05/2018	10/07/2018
10/01/2018	10/01/2018	10/06/2018	10/08/2018
19 MAST	16 TODAY-POLY	10/02/2018	10/09/2018



26

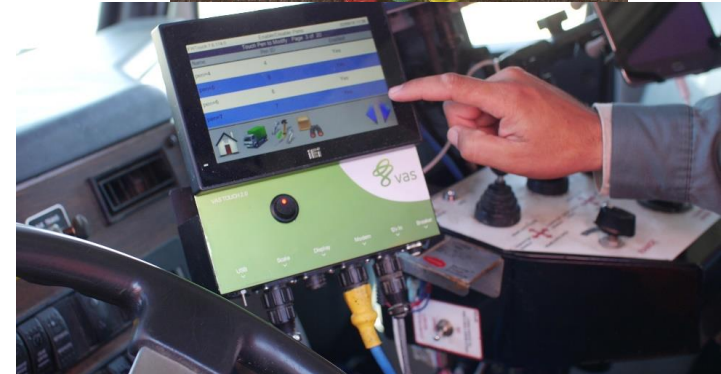
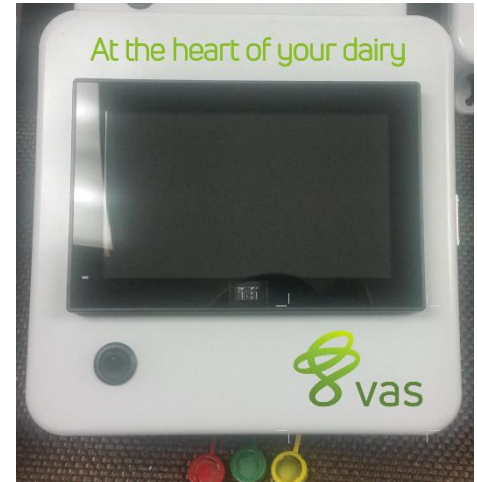


FeedComp

Maximize your profits and minimize your waste
by efficiently running your facility

Feed Comp

- Provides data on feeding volumes, accuracy and timing to provide perspective on labor and dietary execution
- Helps automatically control feed mixing and quantities to ensure dietary needs of each animal are being met to promote their health and optimal milk production
- Keeps track of inventories to better plan for ordering/delivering of supplemental ingredients
- Analyzes production/income over feed cost to give best snapshot of how feed/diet affects profitability



FeedComp

2019 Functionality Roadmap

Entry of Ingredient DM%

Test feed & make DM changes with the FeedComp app

Adjust Target DM / HD

See how much feed is being targeted for this specific pen and adjusting if needed

Change Pen Counts

Change the number of animals to be fed with the FeedComp app





vas
865

vas

Net-Star ★

VAS Platform



Dry Matter Intake by Pen Type Feed

View dry matter intake for each pen type (dry, fresh, etc.) over the past week.



Equipment Status Feed

View target & actual feed mixer load weights for the previous & next loads.



Ingredient Loading Issues

Shows the Ingredients that are outside the tolerance. (Default: 15%)



ParlorComp/ParlorBoss

Gain efficiency, streamline, and maximize production with ParlorBoss



ParlorComp

- Leverages same tagging technology to directly connect the cow's location (pen, milking stalls, etc.) to its output
- Parlor performance is collected and presented for analysis in the ParlorComp on the Platform
- ParlorBoss streamlines cow treatment in the parlor, and improves counting/organization/placement of cows
- Ensures milk quality by monitoring the washing process, milk temperatures, and provides dairies with a historical record



The screenshot shows the 'ParlorComp Overview' dashboard. At the top, there is a navigation bar with 'FREEDOM DAIRY', 'PARLORCOMP', and 'OVERVIEW' tabs. Below this, the 'Parlor Status' section displays a table with columns for 'PARLOR STATUS', 'CURRENT SHIFT', and 'CURRENT PEN'. The status is 'Milk', shift is '1', and pen is '4'. Below this, there are sections for 'COWS IN PEN', 'CURRENT PEN TOTAL MILK', and 'CURRENT SHIFT TOTAL MILK'. The 'CURRENT TEMP' is 145.90 °F with a green checkmark, and 'TEMP ALARM' is present. The 'TOTAL TIME' is 0 MIN and 'SEC/STALL' is also present. The 'Current Tasks' section shows a table with columns for 'TASK', 'COWS', and 'TASK'. The tasks are 'GNRH' (56 cows) and 'MOVE' (156 cows). The 'Last Rotary Data' section shows a table with columns for 'ROTARY', 'MINS/TURN', and 'SEC/STALL'. The data points are: FASTEST (9 mins/turn, 8.2 sec/stall), AVERAGE (9 mins/turn, 7.8 sec/stall), and EFFECTIVE (11 mins/turn, 6.7 sec/stall). At the bottom, there are sections for 'LAST WASH STATUS' and 'WASH ALARM'.

PARLOR STATUS	CURRENT SHIFT	CURRENT PEN
Milk	1	4

ROTARY	MINS/TURN	SEC/STALL
FASTEST	9	8.2
AVERAGE	9	7.8
EFFECTIVE	11	6.7

TASK	COWS	TASK
GNRH	56	DRY
MOVE	156	

ParlorComp

2019 Functionality Roadmap

Integrations

Integration with Milk Creamery and Co-Ops to provide milk shipment quality & quantity

Configurations

Configuration of ParlorComp on-farm Software (milking schedule, wash cycles) from app











Milk Testing Scan History

Search By: 02/07/2019 Found 466 scan records.

Scan Date/Time	Cow EID	Cow ID	Pen Number
2/7/2019 6:47 AM	982000128936123	437	9
2/7/2019 6:47 AM	982000081770966	227	12
2/7/2019 6:48 AM	982000081770635	582	5
2/7/2019 6:48 AM	982000081770880	313	4
2/7/2019 6:48 AM	982000128936123	437	9
2/7/2019 6:48 AM	982000081770966	227	12
2/7/2019 6:49 AM	982000081770635	582	5
2/7/2019 6:49 AM	982000081770880	313	4
2/7/2019 6:49 AM	982000128936123	437	9
2/7/2019 6:49 AM	982000081770966	227	12
2/7/2019 6:50 AM	982000081770635	582	5
2/7/2019 6:50 AM	982000081770880	313	4
2/7/2019 6:50 AM	982000128936123	437	9
2/7/2019 6:50 AM	982000081770966	227	12
2/7/2019 6:51 AM	982000081770635	582	5
2/7/2019 6:51 AM	982000081770880	313	4
2/7/2019 6:51 AM	982000128936123	437	9
2/7/2019 6:51 AM	982000081770966	227	12
2/7/2019 6:52 AM	982000081770635	582	5
2/7/2019 6:52 AM	982000081770880	313	4
2/7/2019 6:52 AM	982000128936123	437	9
2/7/2019 6:52 AM	982000081770966	227	12
2/7/2019 6:53 AM	982000081770635	582	5
2/7/2019 6:53 AM	982000081770880	313	4
2/7/2019 6:53 AM	982000128936123	437	9



ParlorComp Overview

[CUSTOMIZE THIS PAGE](#)

Parlor Status

PARLOR STATUS	CURRENT SHIFT	CURRENT PEN	CURRENT FLOW
Milk	1	4	65 GPM

COWS IN PEN 289

CURRENT PEN TOTAL MILK 2850.0 GAL

CURRENT SHIFT TOTAL MILK 28500.0 GAL

CURRENT TEMP 145.9 F TEMP ALARM NONE

TOTAL TIME 0 MIN SEC/STALL 97

Current Tasks

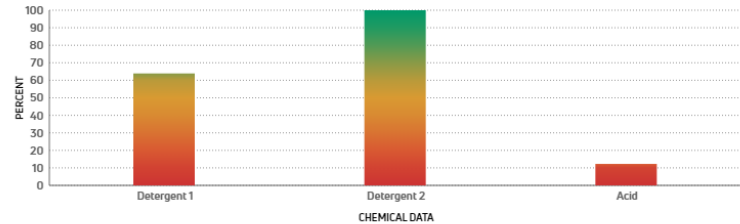
TASK	COWS	TASK	COWS
GNRH	56	DRY	16
MOVE	156		

Last Rotary Data

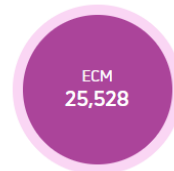
ROTARY	MINS/TURN	SEC/STALL	COWS/HOUR	TURNS/HOUR
FASTEST	9	8.2	441.0	6.1
AVERAGE	9	7.8	460.0	6.4

Chemical Volume Monitoring

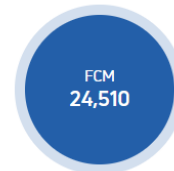
% CHEMICAL


[VIEW DATA TABLE](#)

Milk Shipment



SEPTEMBER 27, 2018
24,306 lbs
AVERAGE FOR THE LAST 10 DAYS



Future VAS



Exciting Future!

- Platform will continue to grow
 - Working with 120 partners in the ecosystem
 - AI (artificial intelligence)
 - All data one location – data overload, we will interpret and present
- ParlorBoss has great potential
- FeedComp is really gaining momentum
- Grow in the U.S and internationally (currently in 46 countries)
- Develop new technology
 - Improve efficiency and profitability



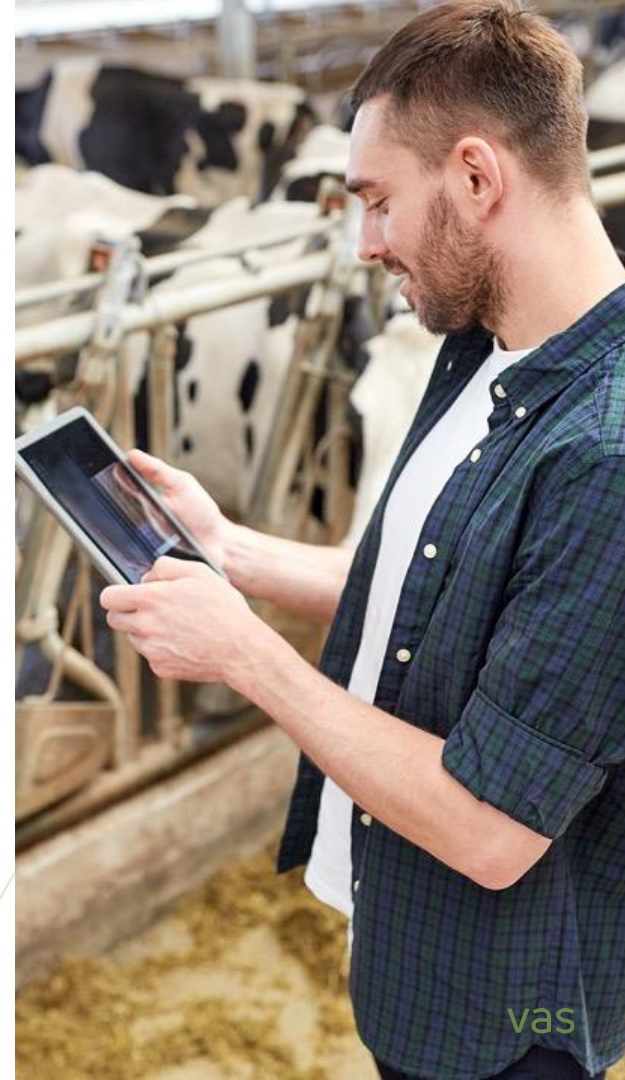
Data Privacy

- Data privacy & data protection is critical today
- VAS created an Intellectual Property (IP) framework & IP position to protect the farm data
- The Facts:
 - Compatible with NDHIA policies
 - The farm owns their data
 - VAS does not share your data with anyone without your written permission
 - VAS does not sell your dairy data



Robots

- VAS working very closely DeLaval & Lely
- Creating a two-way data exchange of robot data and farm information
- Develop new metrics tools with Infolytics



Ownership and Structure

Owned by the Pon family in the Netherlands

- Long term commitment to the dairy industry
- Owners of three dairies (Netherlands, Germany and Poland)
- Majority ownership of Urus Group (Alta, Genex, SCCL, AgSource)

VAS statistics

- Customers in 42 countries
- 100 employees
- 8 million milking cows on our products
- 2019 revenue approaching \$20 million USD
- 20%+ annual revenue growth
- Annual development budget of \$7.5 million

A hand holding a black smartphone. The screen displays a mobile application interface for a dairy farm. At the top, it says 'Johnson & Sons Da...'. Below that, there's a green bar with '7576' and 'ACTIVE'. A table with columns 'PEN', 'LACT', 'BPRD', 'DIM', 'QLSH', and 'DUE' is visible. Below the table, there are tabs for 'Events', 'Testdays', and 'Lactation'. A green semi-transparent box is overlaid on the screen with the text 'Global Market Leadership'.

Global Market
Leadership

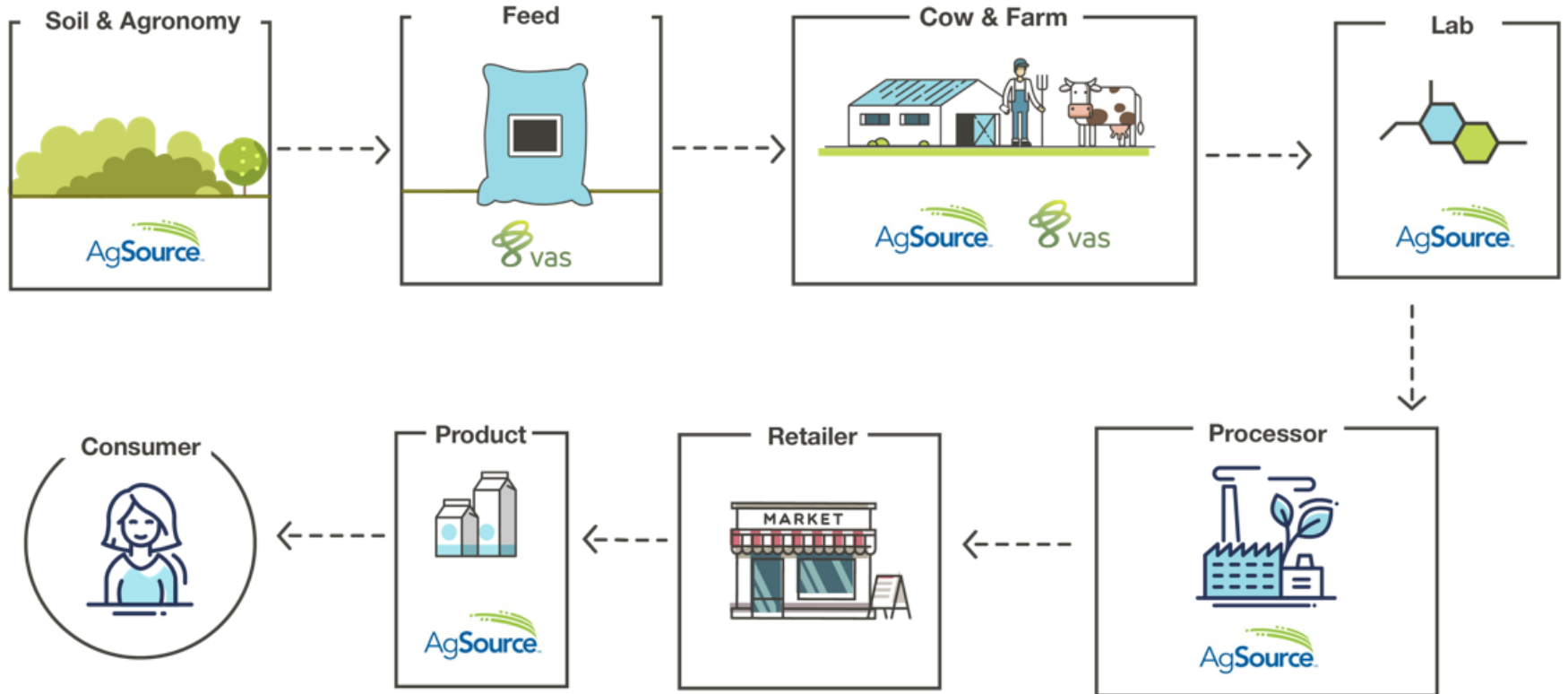


**“Coming together is a beginning; keeping together
is progress; working together is success.”**

Henry Ford



HOW WE SEE THE FUTURE OF AGRICULTURAL INFORMATION MANAGEMENT



Thank You



Discussion

