SPONSORS

AGTECH BEEF CATTLE TECHNOLOGIES

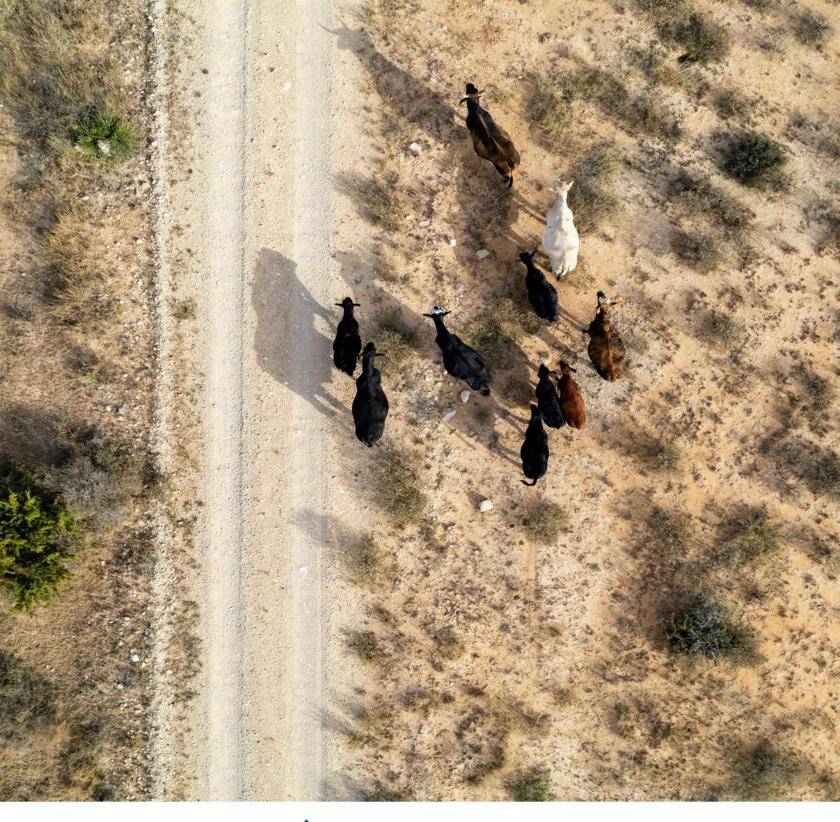
COORDINATOR: MR. EGLEU MENDES











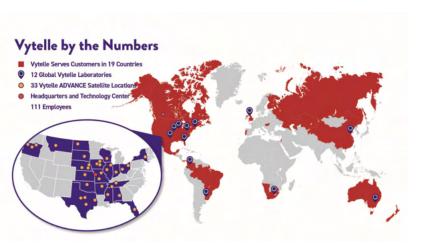




Vytelle Mission and Purpose

To ensure meat and milk are **viable** and **competitive** food choices for future generations.

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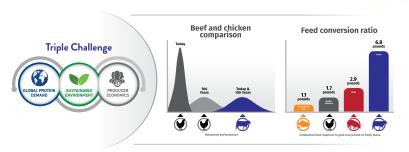


Vytelle advances the RIGHT genetics FASTER



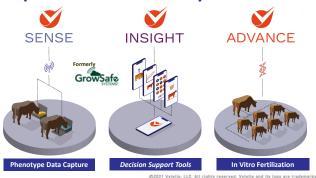
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Genetic progress is a proven solution that is permanent and compounding

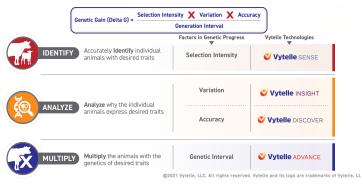


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Vytelle's integrated technology platform is unique to the beef industry



An integrated approach maximizes genetic gain possible for progressive breeders



Vytelle's customers advance the RIGHT genetics FASTER by integrating two MAJOR decisions



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Mating Selection



Selection for Feed Efficiency is one of the key drivers of Sustainable Beef Production



Feed Efficient Cattle produce less GHGs*



Selecting for Feed Efficiency is the most scalable way to reduce cost & increase profit

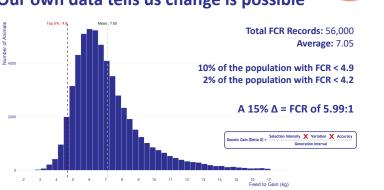


The use of Residual Feed Intake (expected feed intake vs actual feed intake) delivers cow efficiency = more animal units on the same resources

* .83 correlation DMI and Methane

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Our own data tells us change is possible



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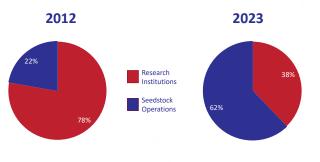
We take individual feed intake measurements at 160+ global locations



No one has more experience collecting feed intake phenotypes

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Phenotypic feed intake data capture is rapidly moving from research to commercial application



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Vytelle's Network Database is the Largest Beef Efficiency Database Globally





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Vytelle is building the largest bovine sustainability database to inform our customers' mating selection decisions





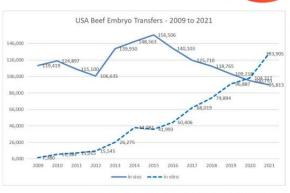
Reproduction Method



In vitro fertilization is the best way to accelerate genetic progress

- Shortening generational interval
- Increase genetic selection intensity
- Maximize the use of rare or valuable semen
- Capture genetic gains from younger and pregnant animals

More beef embryos are now produced by IVF than conventional flushing









Becoming a necessary part of an operation's genetic progress, IVF technology is the leading tool for fast forwarding generations

	Artificial insemination	ET (Superovulation)	In vitro (IVF)	
Frequency	21 d	35 – 50 d	7 d	
Conception rates	55%	55%	50%	
Genetics contribution	Male	Female + Male	Female + Male	

Vytelle ADVANCE























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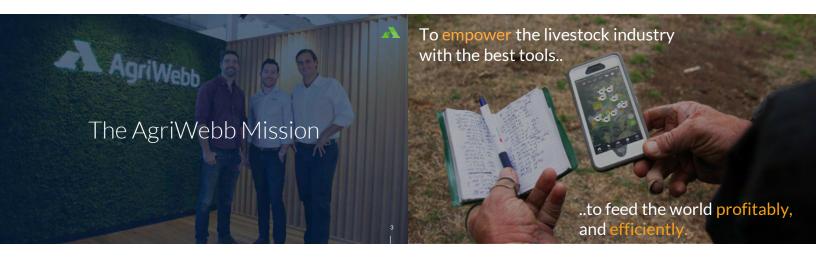


Take away points

- Genetic improvement is a compounding and permanent solution to a sustainable beef industry.
- Selection for feed efficiency is one of the key drivers of beef sustainability and is a significant trend among progressive breeders.
- IVF is the fastest way to accelerate genetic progress. When coupled with data-driven mating decisions, the improvement can be rapid.
- Vytelle is the fastest growing IVF company globally and the only with a fully integrated solution set for customers seeking to maximize genetic gains in sustainability.

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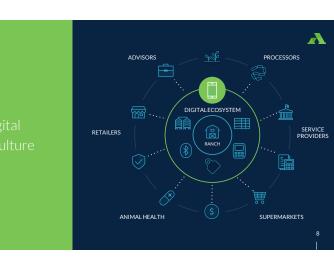


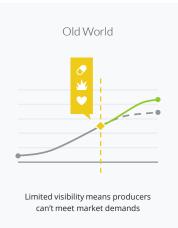










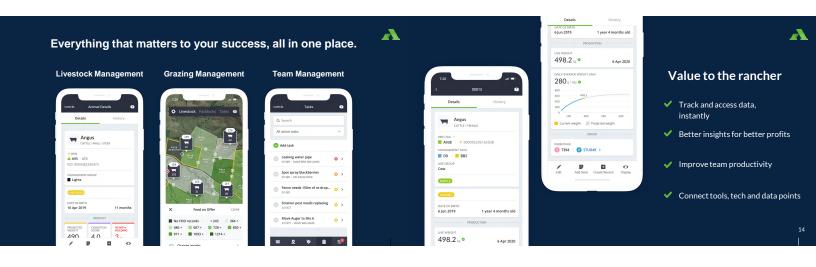








Livestock, land and legacy management...at your fingertips.





McFADDIN ENTERPRISES





7McFADDIN Z

Operational Design:

- Ecosystem: Gulf Coast Prairies near Victoria, Texas
 - All native grasses
 - Year long growing season
 - Approximately 20% cool season & 80% warm season
 - ➤ 3-4 water systems in each paddock

- Grassland was consistently average-good condition in early 1990s
 - Big Bluestem a rarity
- Started building rotation in 1992
 By 1999, entire ranch subdivided with 3 wire

Ideal Animal for Operation

- ➤ Victoria Braford: ¾ Hereford, ¼ Brahma
 Red hide and ¼ Brahma for hotter climate
- ➤ Mature weight: 1,175 lbs



per 1, 2001 - Dec 11, 2001		ddock Gracing Intensity AgriWebb				Paddock Graz
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The Folloy		27	200	10	36.79	3,797
Belloy & for Call Heller		-9	369	40	10.48	9,547
The follow	137	17	360	42	91.5	3,300
Systemy	1	79	296		90.90	19,266
to call motor	19	**	300	16	30.55	1,211
Belloy & for Call Helie	10	30	260	79	29.68	20,945
Ayelong	-0	16	306	10	27.56	10,09
he Call Heller	.23	**	249	100	27.50	39,414
Ayelerg		11	361	64	36.10	18,041
			13,166	1,361		286,017

Don't Wait for the Drought - Proactively Manage

- Always Deploying Low-Mid Density, Moderate **Duration Grazing**

 - 3 cow-calf herds on property
 Pasture rotation of 5-8 cells for each herd
 Duration of ~3 weeks (pending rainfall)
 - ➤ Average recovery between 90-120 days

 Cull Animals that are not performing
 ➤ Dry cows are sorted off and palpated during calf branding

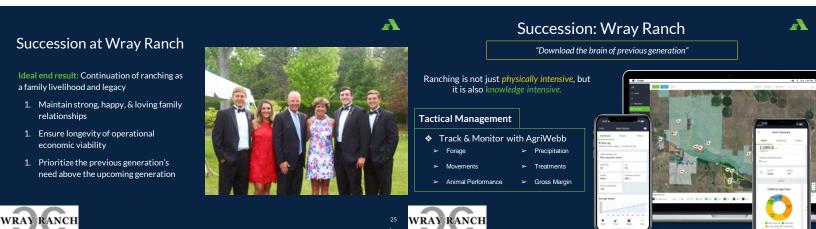
Stockers Utilized according to Forage Availability

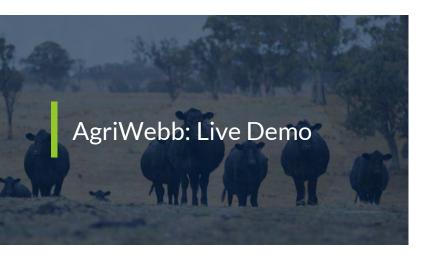
- Never run cow-calf enterprise at maximum carrying capacity
- > Utilize stockers as a flexible business line to increase
- Analyze Grazing Performance during normal and wet
 - ➤ AgriWebb allows us to benchmark grazing for any given year

















Leveraging Drones for Cattle Management: How, What, and Why?

August 8, 2023

Meir Ginsburg CEO, CattleQuants

Drones for Cattle Management

- Locate your herd prior to gathering
- Check on water, feed, or fences
- Measure commodities for inventory and forecasting purposes
- · Count your cattle



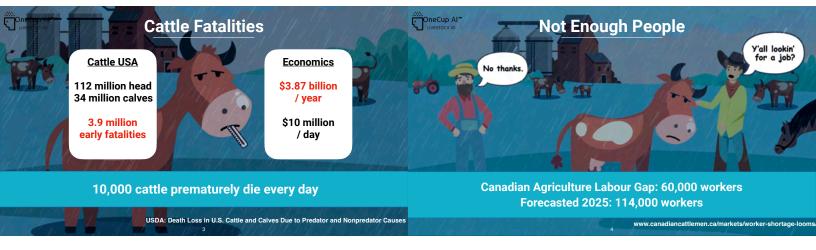


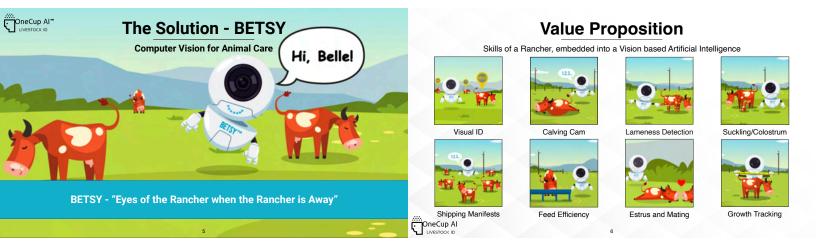


Fly Automated Flight Missions To:

- Capture video along all feed bunks
- Capture video along all fence lines
- Capture images of all/some feedlot pens for counting purposes
 - $\ensuremath{^{\rightarrow}}$ May benefit from automated cattle counting software
- Capture imagery for measuring silage piles or commodities
 - $\ \, \rightarrow \mbox{Requires photogrammetry software to compute volumes}$

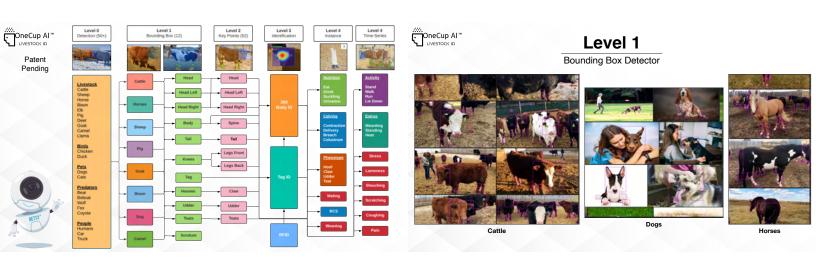


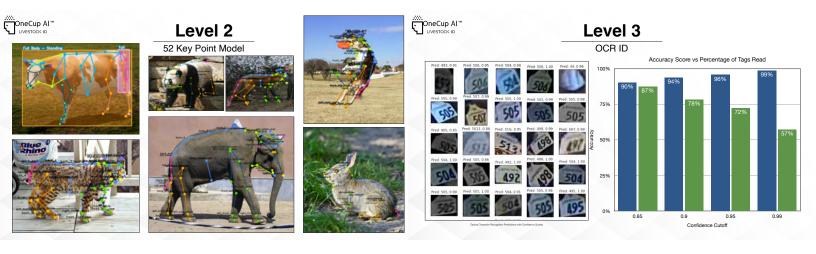


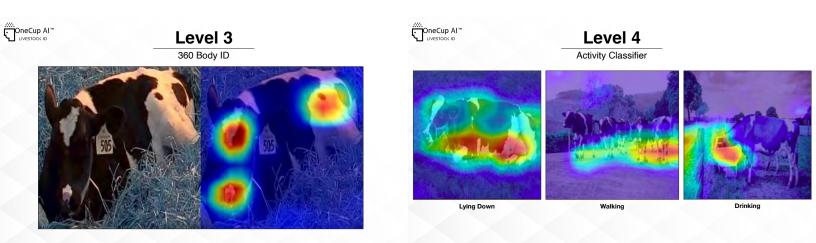


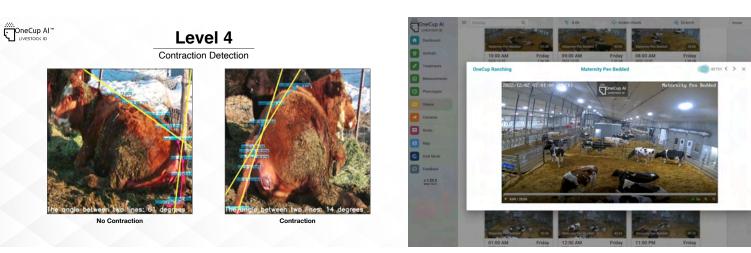




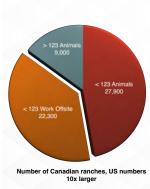




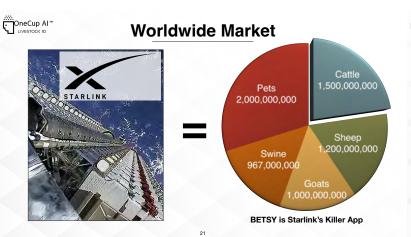


























OneCup AI™ **Advisory Board**



Steve Sefcik
Accounting & SRED

Aldo Pippo Director, IT Risk







John McDougall President





Stan Day Cattle Breeding











OneCup AI™

Partners

50% of investors are ranchers





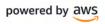






















Ranch Tech

and the role of remote monitoring

Andrew Coppin

Co-Founder & CEO, Ranchbot Chairman, Australian AgriTech Association





Ranch Tech Today















Climate, Economic & Social Pressures

Ranchers need technology to control and define their sustainable and resilient future.

Starting with water and natural capital.









The role of remote monitoring

Who is out there **checking your water, pumps, rainfall and soil** today?

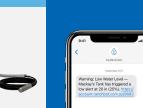
Pipes leak and burst, and pumps stop.

How do you know without constant monitoring?









Plan more efficiently

The value of

actionable

insights



Collecting, analyzing and reporting

Complete remote management system





Regulations are here to stay

We need to be ahead of it







Valuing and accounting for

Natural Capital



Thank You

Andrew Coppin
Co-Founder & CEO, Ranchbot
Chairman, Australian AgriTech Association

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