

A rancher wearing a cowboy hat and blue jeans is riding a brown horse, herding a group of brown cattle in a green field. In the background, there is a large, rocky hill under a blue sky with white clouds. Two small dogs are running in the foreground.

701x[®] AUTONOMOUS RANCHER[®]

BUILDING TOMORROW'S RANCH TODAY

BRUCE HOLMQUIST

Canadian Business Development Coordinator

AGENDA

- 
- **701x Goal**
 - **Company Background & Team**
 - **Hardware Offerings**
 - **Software Offerings**
 - **Q&A / Open Discussion**

701X'S MISSION

- Biggest cost is open cows
 - Get more cows bred
 - Get more calves to sale day



701X'S MISSION

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 - Get more calves to sale day

LABOR and its availability!





KEVIN BIFFERT - FOUNDER AND CEO

- Born and raised on farm and ranch in western ND. Middle child of 15 children
- Mechanical, Electrical, and Chemical Engineering degrees
- Spent 5 years at 3M, and then started Fargo Automation to be a top industry competitor



OUR HERD

Software engineers
Electrical engineers
Mechanical engineers

Embedded software engineers
Data scientists
Manufacturing technicians

Outside sales
Account executives
Marketing

**HARDWARE FOR
ADULT ANIMALS**



**REGISTRY
SOFTWARE**



**HARDWARE
FOR CALVES**



701x[®]
**AUTONOMOUS
RANCHER[®]**

**HERD MANAGEMENT
SOFTWARE**



**WATER
MONITORING**



XTPRO - KEY HARDWARE COMPONENTS

- Cellular AND satellite SIM (no need for base station or antenna)
- GPS antenna (latitude/longitude, elevation, speed)
- Accelerometer (3-dimensional)
- Solar panel
- 2 button design
- Gyroscope
- Heart-rate sensor (at request)
- State of the art processors to run Edge Artificial Intelligence



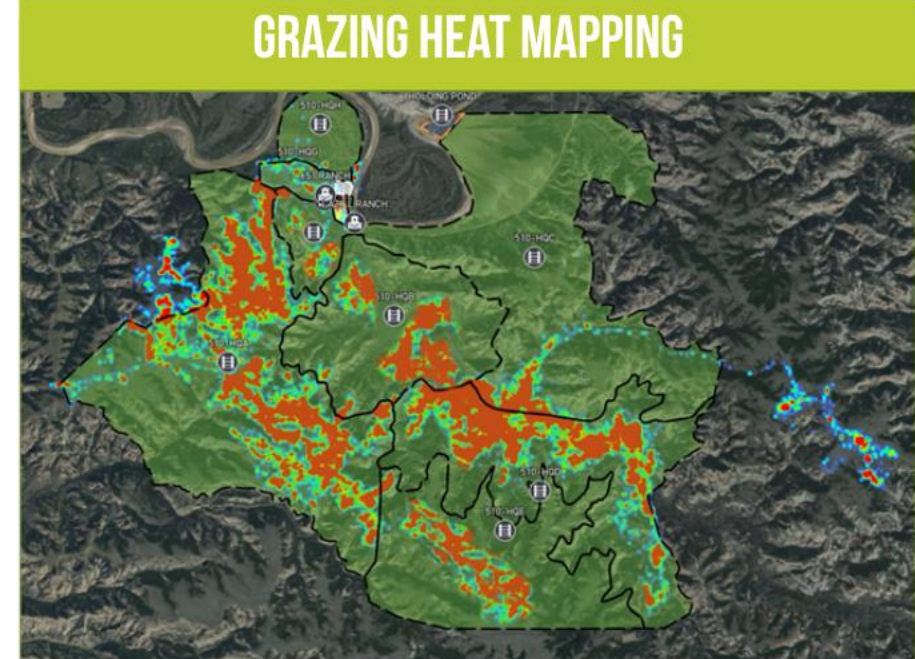
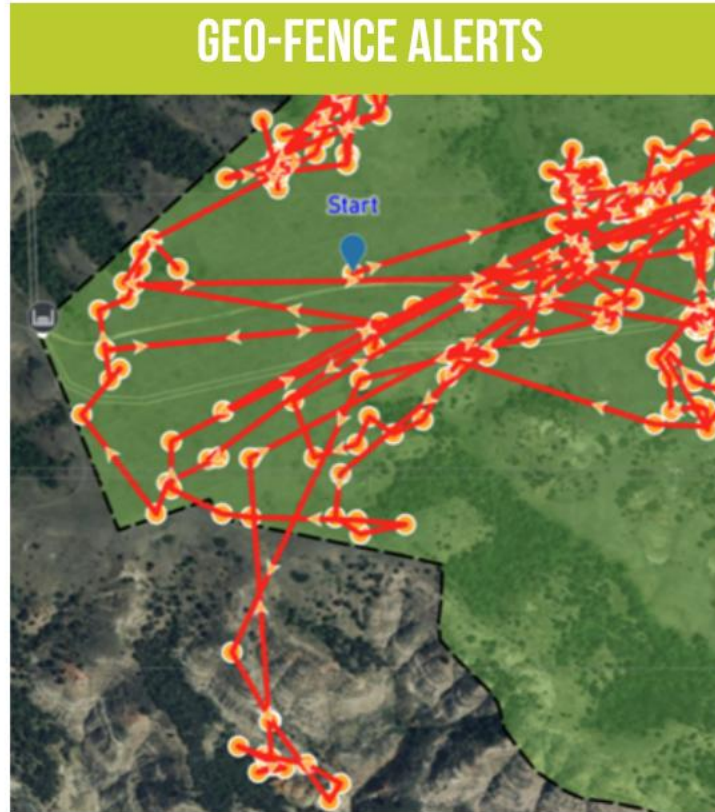
XTPRO - CORE BULL FEATURE SET



- Daily mount count with low/no mounting alert
- Health alert - low activity
- 5-minute GPS

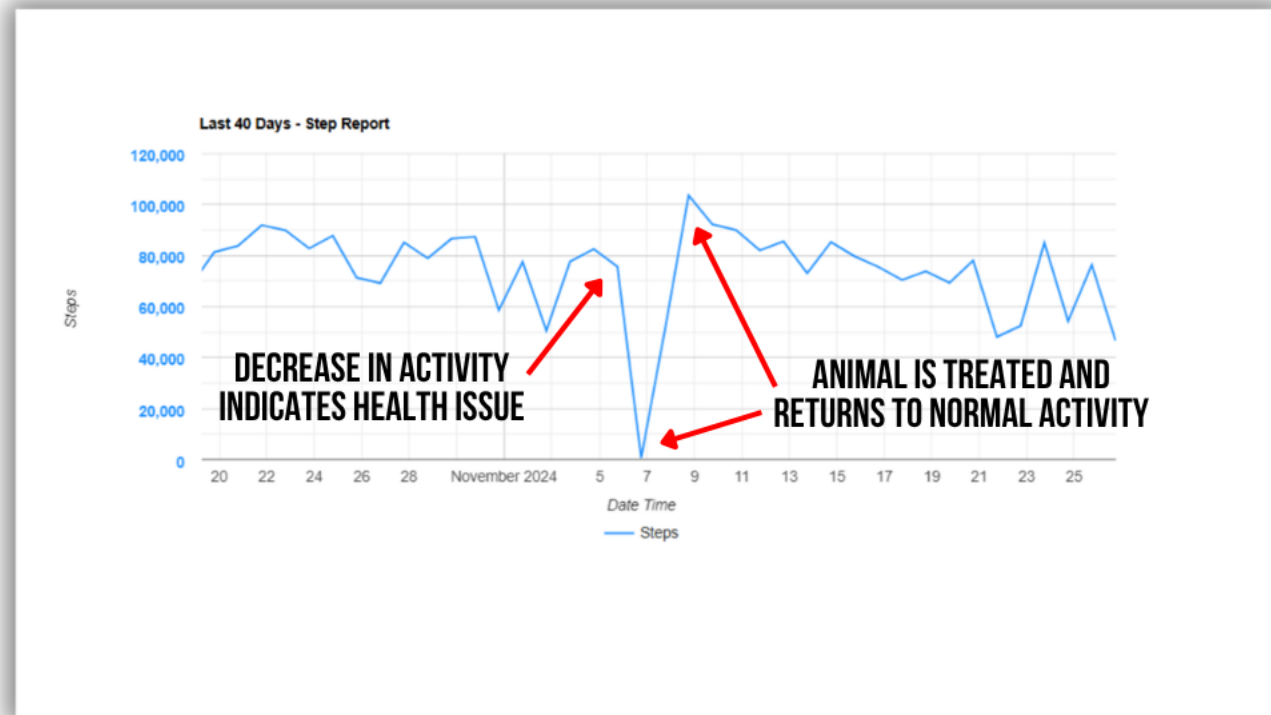
XTPRO - GPS FEATURES

- Historical individual & group tracking
- Pasture utilization insights
- Out-of-Fence & high speed alerts



XTPRO - HEALTH ALERTS

- 7-day average of individual animal activity
- Triggered if $>55\%$ decrease in standard activity



XTPRO - BULL MOUNT COUNT

[Back](#)[Load Report](#)

Bull Productivity Report

Date Range: 06-01-2024 - 08-25-2025

Total Miles: 6,598.97

Total Steps: 130,895,673

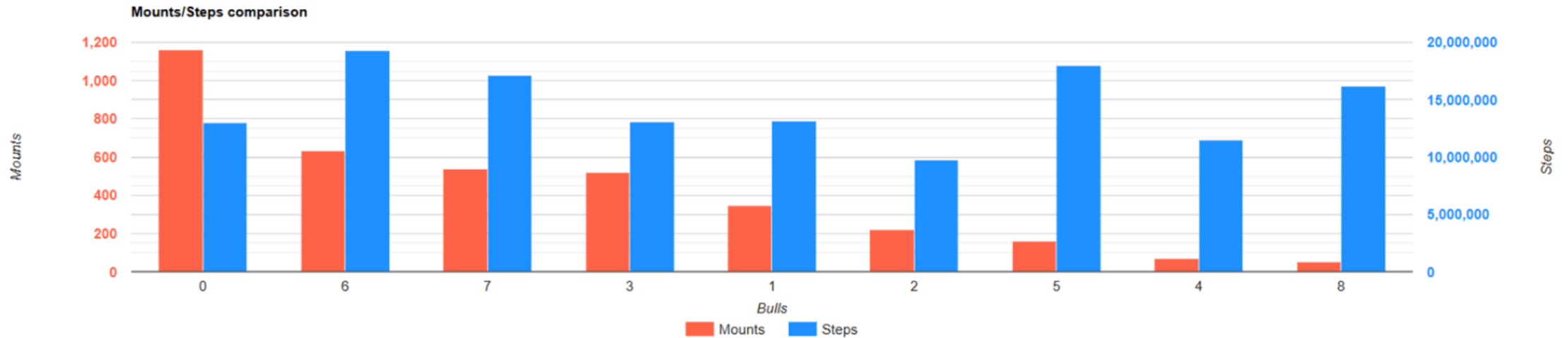
Total Mounts: 3,697

Animals Found: 9

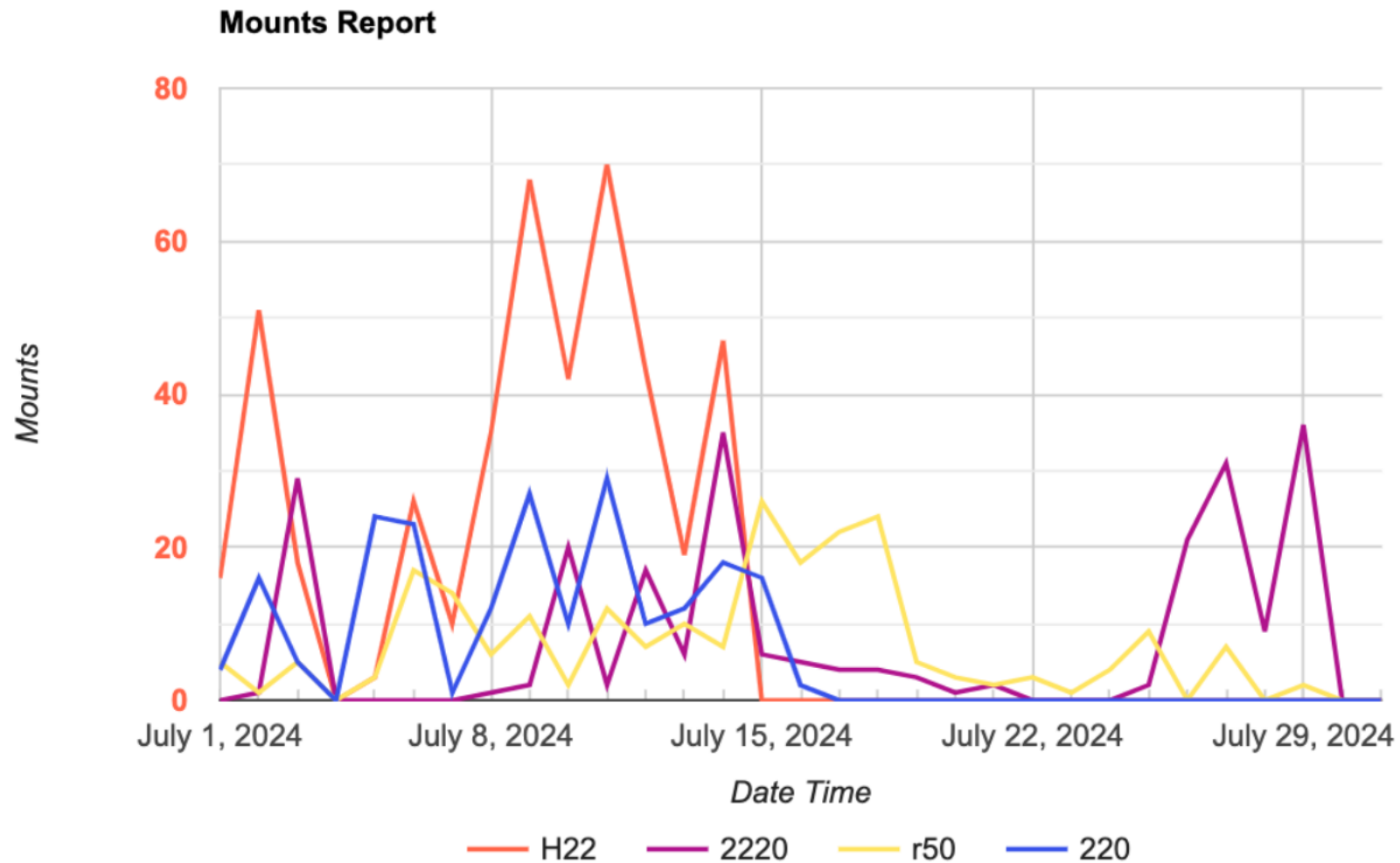
Avg Miles: 733.22

Avg Steps: 14,543,963.67

Avg Mounts: 410.78



XTPRO - BULL MOUNT COUNT



XTPRO - BULL MOUNT COUNT

☐ COLUMNS
 ☐ DENSITY
 ☐ EXPORT
 ☐ RESET VIEW

☐	Cattle Tag #	Last Uploaded	Mou... ↓	Avg Mounts/D...	Steps	Avg Steps/Day	Miles	Avg Miles/Day	Age	Weight	BCS	Fence
☐	1	07-31-2025	↑ 420	↑ 14	↑ 852,774	↑ 28,425.8	↓ 98.49	↓ 3.28	4	1,776	5	651 OMER
☐	7	07-29-2025	↑ 330	↑ 11	↑ 1,191,198	↑ 39,706.6	↑ 180.74	↑ 6.02	3	1,660		651 OMER
☐	3	07-31-2025	↑ 211	↑ 7.03	↑ 756,953	↑ 25,231.77	↑ 112.7	↑ 3.76	4	1,778		651 Data Collection
☐	4	07-31-2025	↓ 102	↓ 3.4	↓ 411,263	↓ 13,708.77	↓ 101.1	↓ 3.37	5	1,924	4	651 OMER
☐	5	07-31-2025	↓ 93	↓ 3.1	↑ 1,133,120	↑ 37,770.67	↑ 139.18	↑ 4.64	3	1,464		651 OMER
☐	2	07-31-2025	↓ 61	↓ 2.03	↓ 590,067	↓ 19,668.9	↑ 140.27	↑ 4.68	5	1,780	4	651 OMER
☐	8	07-31-2025	↓ 25	↓ 0.83	↑ 826,417	↑ 27,547.23	↑ 142.21	↑ 4.74	3	1,418		651 OMER
☐	6	07-31-2025	↓ 7	↓ 0.23	↑ 916,780	↑ 30,559.33	↓ 81.2	↓ 2.71	3	1,400		651 OMER

XTPRO - CORE FEMALE FEATURE SET

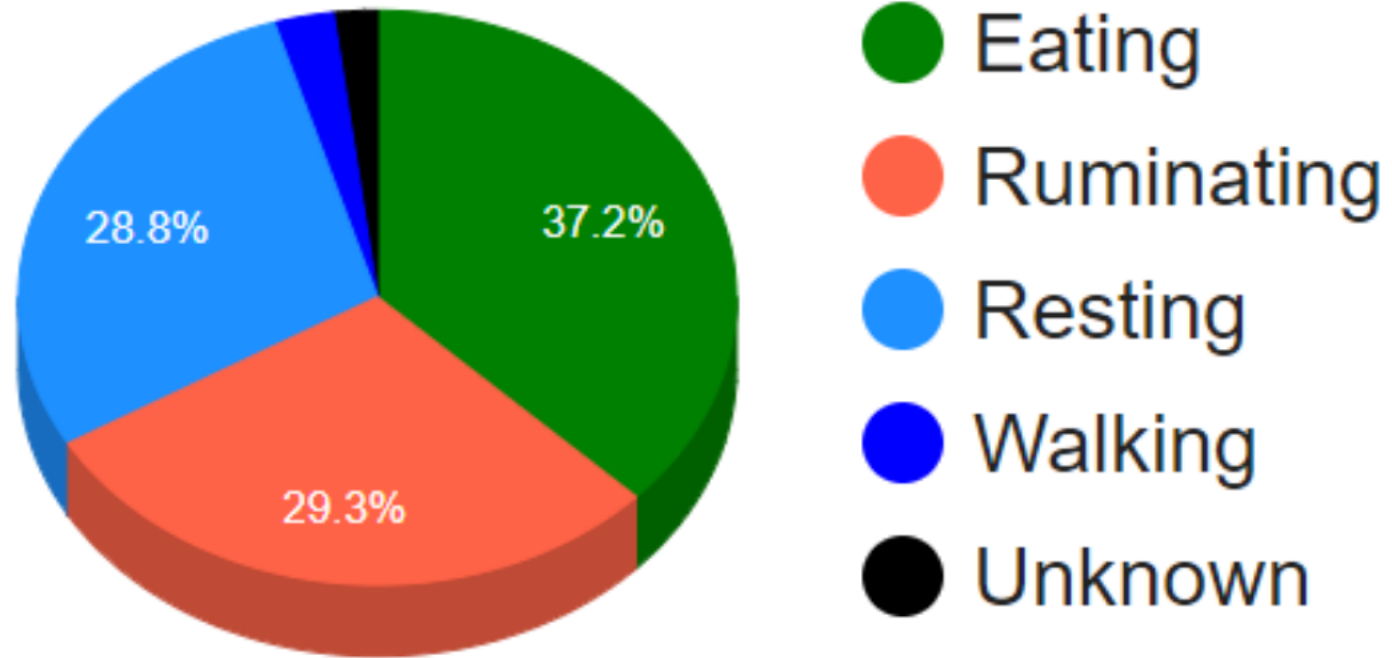


- Estrus detection
- Calving detection
- Health alert - low activity
- 5-minute GPS



XTPRO DATA - ACTIVITY CLASSIFICATION

Last 7 Days - Activity Report in Hours

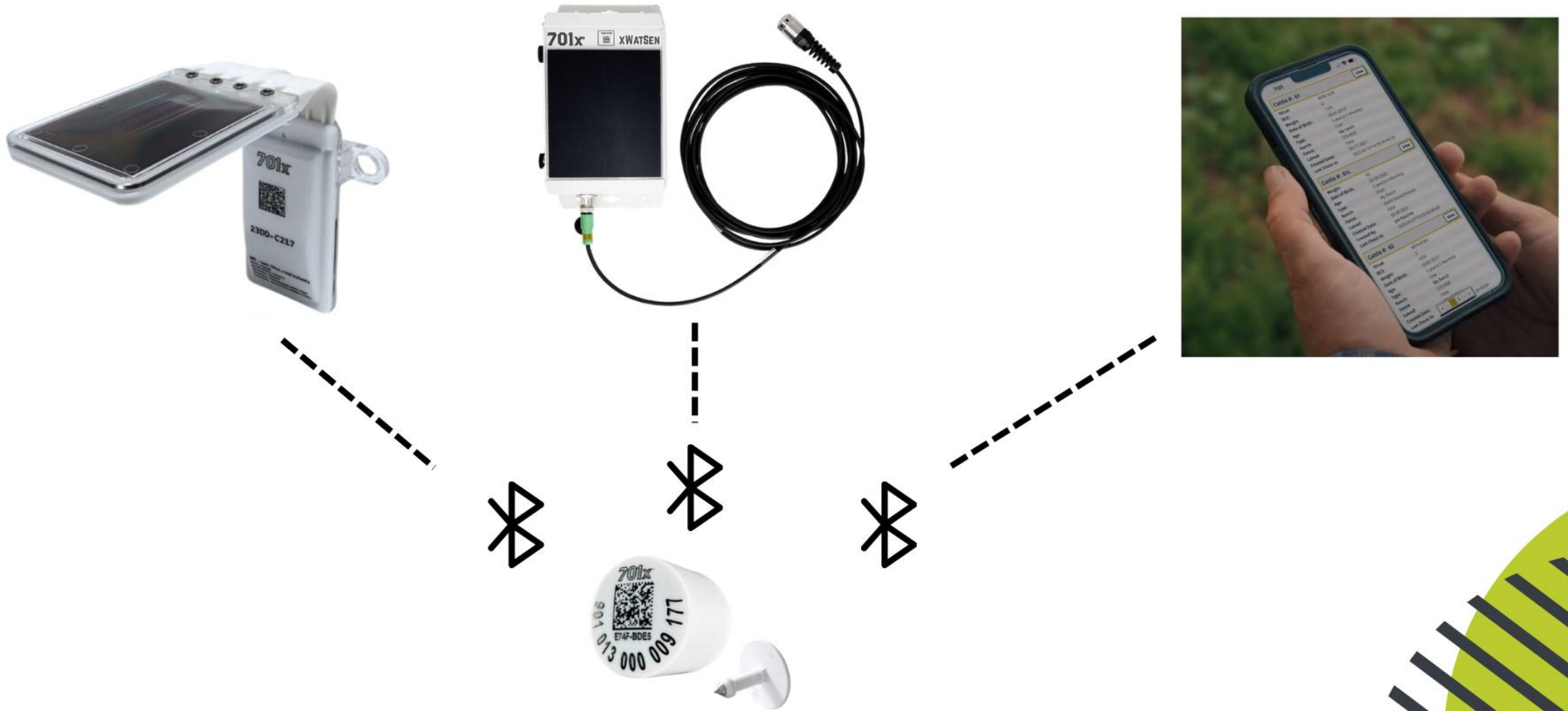


XTLITE - KEY HARDWARE COMPONENTS

- Bluetooth connectivity
- Accelerometer
- RFID - HDX EID readable



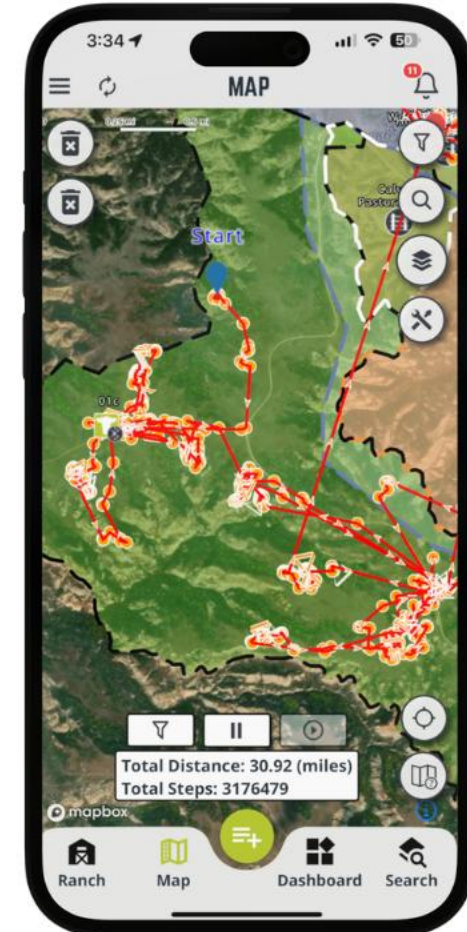
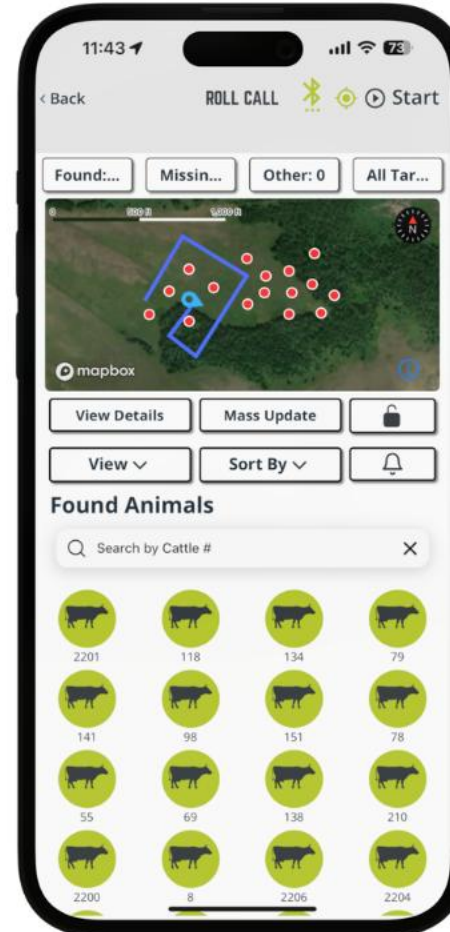
XTLITE DATA OFFLOAD



XTLITE - KEY FEATURE SET



- Health alert
- Relative GPS
- Missing calf alert
- Roll call
- RFID (Wand readable)
- In development - nursing detection



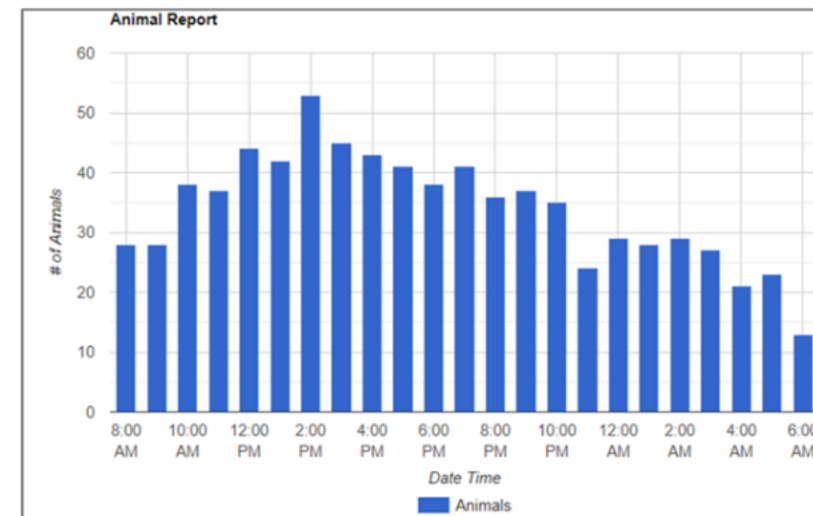
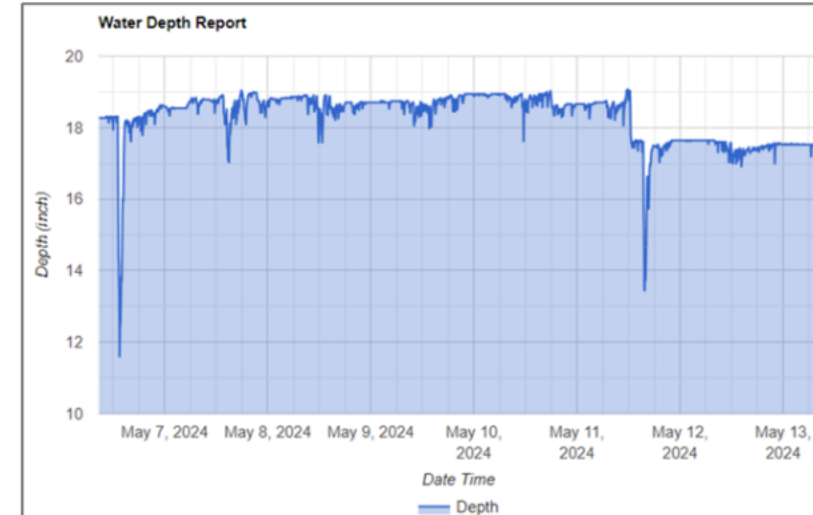
XWATSEN - KEY HARDWARE COMPONENTS

- Pressure sensor
- Temperature sensor
- Bluetooth connectivity
- Cellular connected (Verizon)
- Solar powered



XWATSEN - REPORTS

- Alerts:
 - Low water
 - High water
 - Low temperature
 - High temperature
- Historical water depth reports
- Animal visit reporting



APPLICATORS

- EXTRA Leverage
 - 2 pins at once
- Interchangeable
 - xTpro
 - xTlite
 - RFID
 - Visual (2 piece & 1 piece)
- Manual and Electric models



ACCESSORY PRODUCT LINES



VISUAL EAR TAGS \$35.00

Custom Color and
Laser Available



701X® EID WAND \$1,399.00



701X® EID TAG (20) \$56.00



TABLET HOLDER \$119.99



701X® TAG CUTTER \$5.95

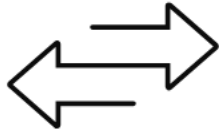
701X HERD MANAGEMENT APP



- Web app or phone app
- Available on iOS and Android
- Offline capable
- Unlimited users with permission levels
- Works as portal for all device data
- Completely customizable calving book
- Working Cattle Mode
- Heavy focus on customization

REGISTRY SOFTWARE

Acquired Sept of 2024



701x
**AUTONOMOUS
RANCHER®**

REGISTRY SOFTWARE CLIENTS:



701x[®]

QUESTIONS?

