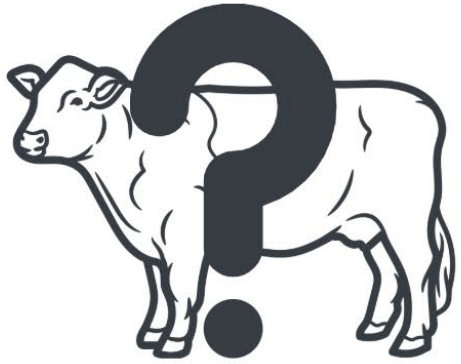

701x®
AUTONOMOUS RANCHER®
BUILDING TOMORROW'S RANCH TODAY
Chip Kemp, Chief Strategy Officer
chip.kemp@701x.com | (573) 239-052

THE PROBLEMS

1. MONITORING LIVESTOCK



- **$3.9B+ per year** lost, dead, and stolen cattle
- **$6.7B+ per year** in losses from breeding inefficiencies

2. PAPER RECORDS



- **15-20%** of animal information is inaccurate due to clerical errors
- Records are lost and misplaced
- Requires double entry to run reports and gain key insights

WHO IS 701X?

701x is a Fargo-based agricultural technology company building the only beef cattle technology ecosystem combining hardware, software, and genomics into one platform.

6
YEARS IN BUSINESS

5 COUNTRY
2026 INTERNATIONAL EXPANSION

USA & CANADA
ACTIVE MARKETS







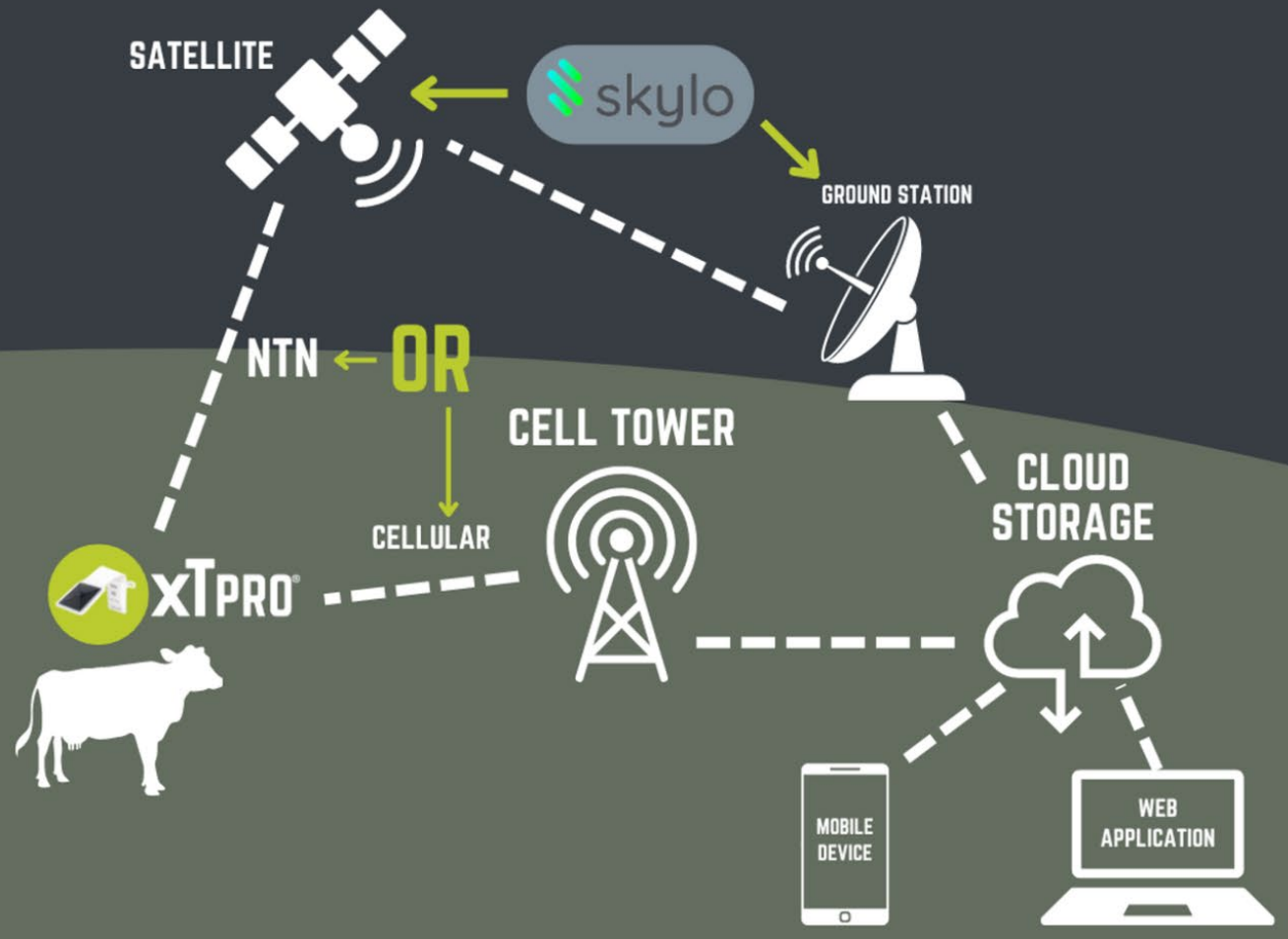






NON-TERRESTRIAL NETWORKS

- Device DIRECT to Satellite
- Low cost cell chips and data
- Global Connectivity Possible
- Skylo



CONFIDENTIAL

Fertility Metrics – No Mounting alert – 2025 Case Study

- 2025 Spring Breeding Season
- Evaluated subset of 2,845 xTpro tag wearing bulls in May/June
- Over 200 bulls received a health alert during time window
- 96 Bulls Received Both
  - Health Alert
  - An Intervention w/I 7 days of a 701x generated alert
- If the xTpro tag resulted in 5 additional calves/operation:

  $8750/Operation ($1,750 x 5)

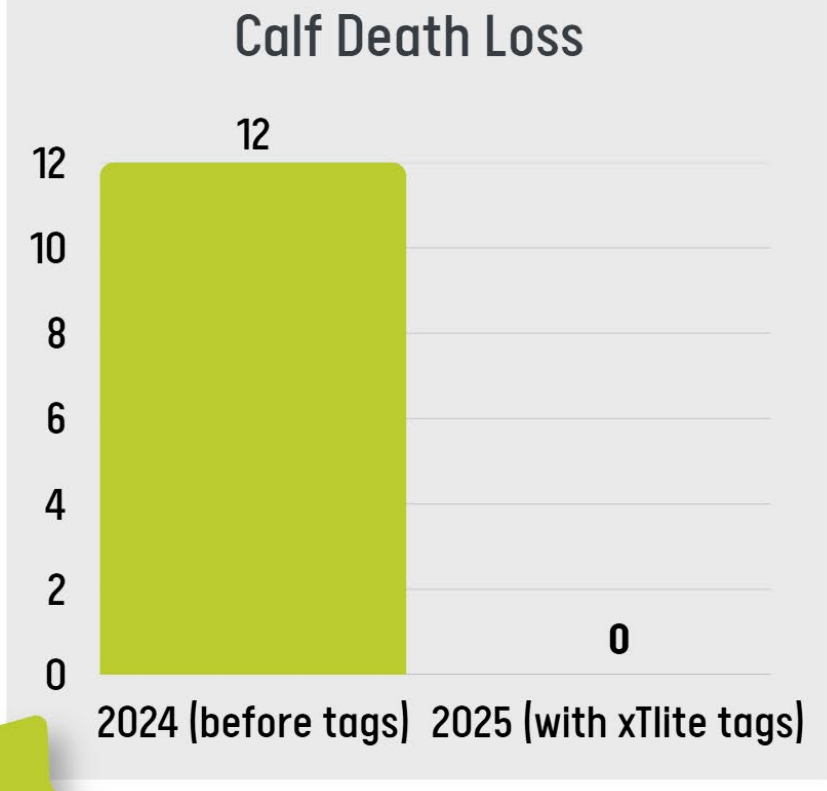
  $840,000 ($8,750 x 96) added calf value overall

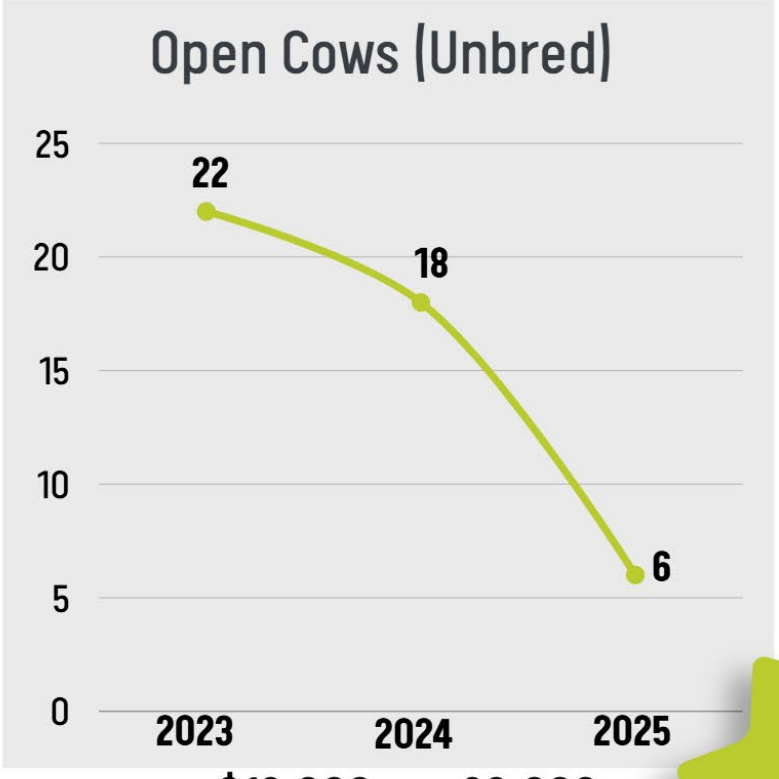
  $336,000 ($3,500 x 96) in cull bull value was maintained



$1,176,000 REAL DOLLARS SAVED IN A MERE 2 MONTHS!

PROVEN RESULTS - 701X TEST RANCH





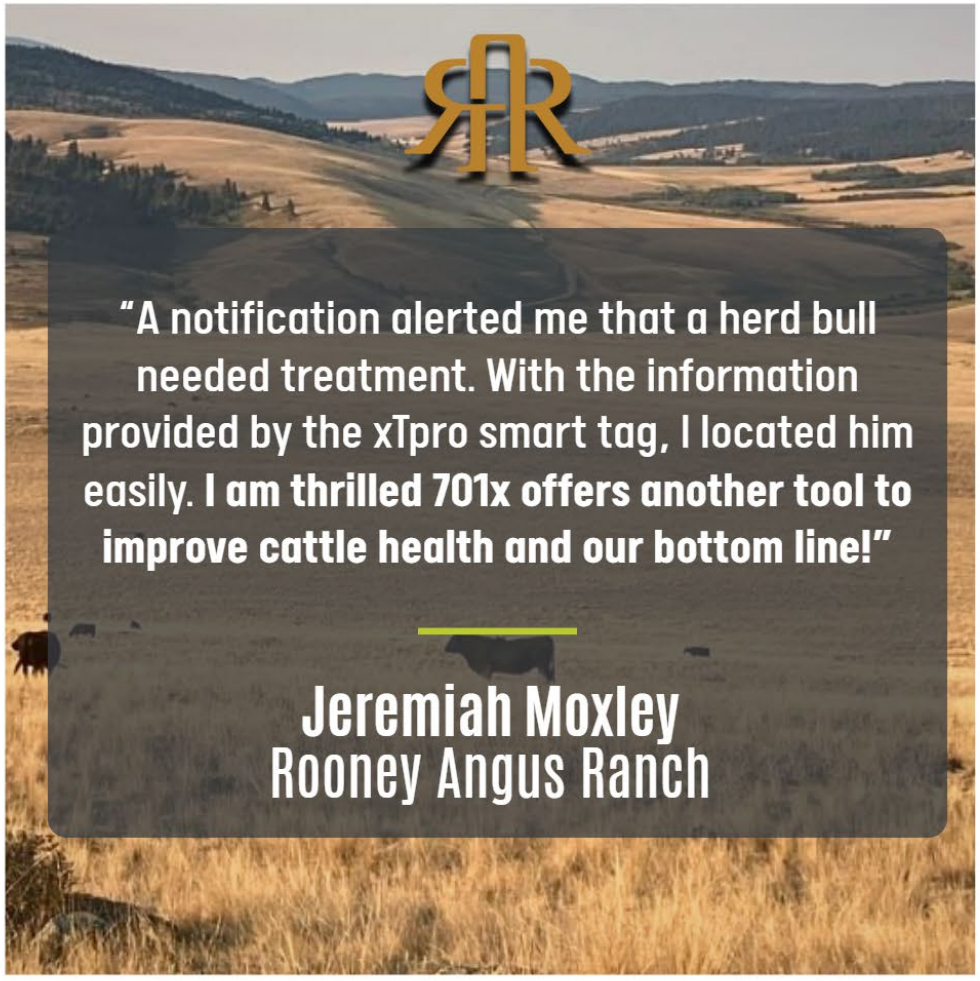
$30,000 profit at weaning

Health alerts triggered before visual symptoms appeared for early antibiotic treatment.

~$3,000 difference between each open cow.

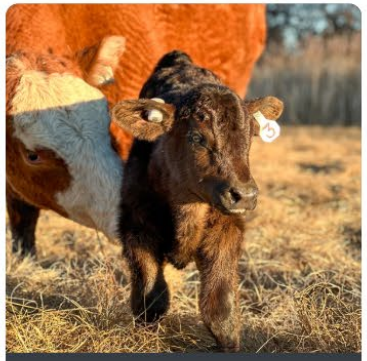
PROVEN RESULTS





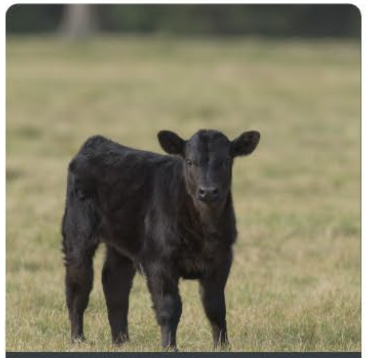
IDEAL DATA SCENARIO

XTLITE ON CALF AT BIRTH



- Birthdate Verification
- GPS Location (source)
- DNA sampled

BIRTH TO WEANING



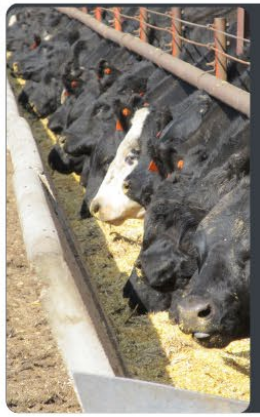
- Collect digital phenotypes to enhance EPDs
- AutoID & scale for auto weights

TO BREEDING STOCK



- Receive xTpro tag
- Heifer breeding EPDs
- Early embryotic death loss insight

TO BG OR FEEDLOT



- RTLS
- Live inventory tracking
- Health monitoring
- Feed & water intake efficiency

SLAUGHTER



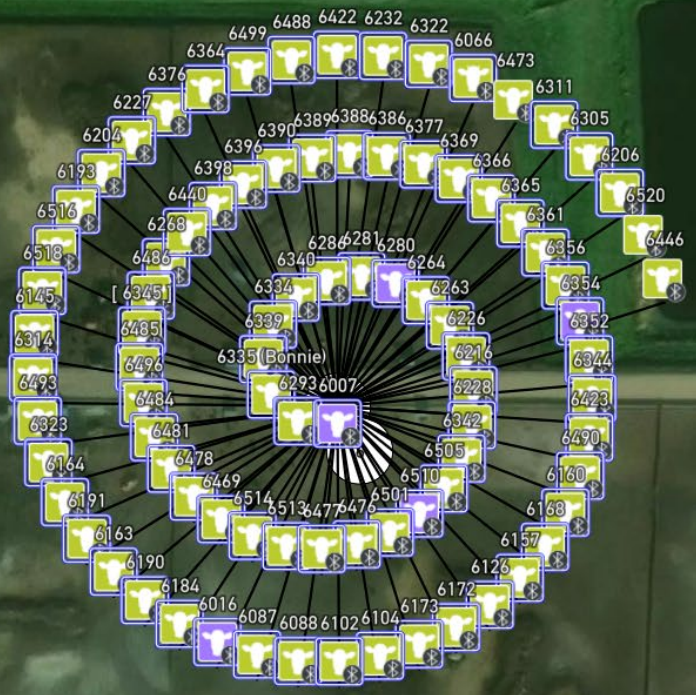
- GPS at receiving
- Individual weight tracking
- Track through processing
- Carcass data

EVALUATE



- DNA data
- Sensor data
- Carcass data
- Promote superior genetics

This is our “Why”...





New farmer/feeder client in upper plains

Deployed ~300 wearables @ Aug 1, 2026 at a cost of $4200

Both ranch-raised and purchased calves

As of Oct 8, 8 total health alerts

Producer: 3 sick calves would’ve never been identified in time visually.

All three were addressed and no mortality as of Oct 14.

That is over $8500 in retained value!

DNA PROCESSING LAB

WHY NOW?

- Zoetis (~15% market share) acquired Neogen (~80% market share) causing industry concerns
- 701x is a trusted alternative with existing relationships

GENOMIC SERVICES 701X NOW PROVIDES:

- ☑ Parentage Verification
- ☑ Breed Composition Analysis
- ☑ Whole Genome Sequencing
- ☑ IGS-Specific DNA Panel

~$100,000
YEAR 1 SAVINGS

REAL CUSTOMER IMPACT:

A mid-sized packing plant previously couldn't collect DNA at chain speed. 701x's integrated software and genomics solution allows one person to process 2,000 samples/month at full chain speed.



TROY ROWAN

ASSISTANT PROFESSOR - BEEF CATTLE GENOMICS, UNIVERSITY OF TENNESSEE