

## In-heat detection and cow welfare telemetry monitoring system



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## THE HIGH-TECH OF DAIRY MANAGEMENT

Reduce your open days, boost your pregnancy rates, increase profitable milk and cut down on labor costs with ENGS' innovative Track a Cow system. Advanced, high resolution heat activity measurement every 6 minutes and real time reports allow you to optimize insemination timing and health care 24 hours a day, 7 days a week.

## ANY TIME, ANY WHERE

Track a Cow is the only heat detection and health monitoring system that can be effectively used in any herd type and farm environment. Its state-of-the-art Long Range Pedometer (LRP) technology delivers the most frequent, real-time data transfer – providing you more timely information than any competing system.



### Highly effective long-range monitoring over 2,000 meters

- Distance is no longer an issue as a single antenna monitors your cows from over 2,000 meters away.
- Seamlessly tracks cows in any environment: from free stalls to open pastures and robots to stanchion barns.
- Accurate heat detection of grazing cows, non grazing cows, heifers and beef cattle.



### Real-time data transmission every 6 minutes

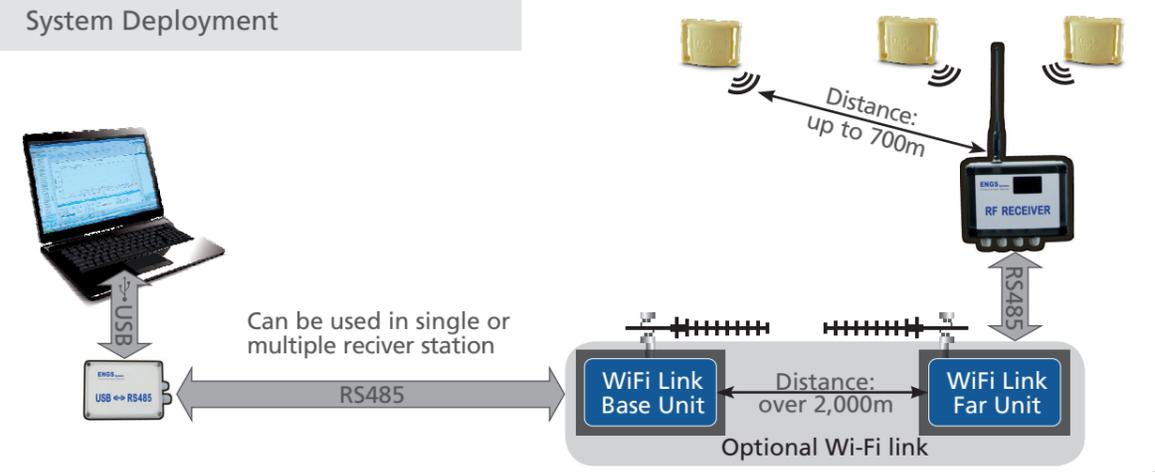
- Tag can be placed on the cow's leg (front or rear) or neck.
- Delivers advanced high-resolution activity measurement with continuous indicators for animal posture (lying or standing – leg tag).
- Detects early warning signs of possible health and welfare conditions (lameness, abortions, cystic, etc.).
- Based on 433MHz long-range radio.



### Low-cost wireless connection

- Antenna can be located almost anywhere.
- Combines proximity ID (in-post) and long range radio transmission.
- Reduces labor costs: no need to lead cows across gates or readers.
- Basically maintenance free.
- Very small enclosure for minimal waste build up (leg tag).

### System Deployment



Utilizing its extremely long range feature, Track a Cow provides highly accurate heat detection and overall health and welfare monitoring in use for beef cattle

## TRACK A COW SMART REPORTING

Track a Cow synchronizes with ENGS' user-friendly EcoHerd software, which employs a wide range of graphs and reports to help you keep track of the conditions of each and every cow. The software is able to interface with herd management systems and data is available online at any time via remote access, email and SMS.

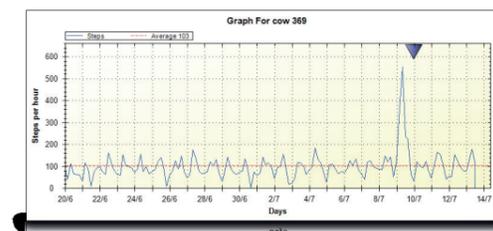


## REPORTS

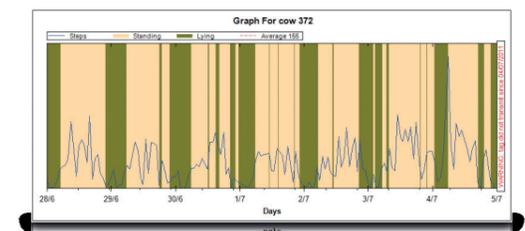
- **Ready for service** – Cows in-heat that are ready for insemination
- **Suspected in-heat** – Cows with high activity that are suspected to be in-heat
- **Cows in-heat** – Cows with in-heat or insemination event
- **Inactive tags** – Indication for malfunctioning tags, or tags that fell off the animal
- **Lying/Standing ratio report** – indication of cow health i.e. lameness, mastitis, etc.
- **Irregular behavior** – exceptions of low activity cows, high activity and activity related to certain hours or animal conditions
- Daily average steps per hour over the lactation
- Set in-heat and insemination events for cows that show on the report

## GRAPHS

- Activity graph in a convenient sliding window
- Activity Resolution viewing scale: 1,2,4,6,8,12,24 hours
- Up to 30 days high resolution (activity and posture) history
- Posture (lying/standing) graph in combination with activity
- Selected lactation – current and historical
- Multiple lactation



High activity level resulting in consequential insemination a few hours after.



Lying/standing graph showing correlation between high activity and standing time for the cow.