



TraffiClair Monthly Updates

2024.02

Kevin Gu

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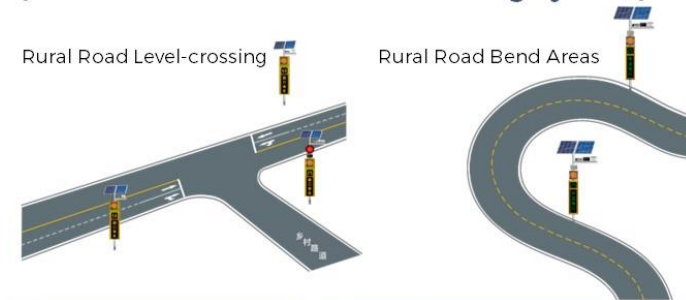
New Product Launch: ClairSaf

ClairSaf RICWS (Rural Intersection Conflict Warning System)

Reduce the fatal and serious injury crashes at rural non-signalized intersections.

Reduce the Fatal and Serious Injury Crashes at Rural Non-signalized Intersections

ClairSaf RICWS
(Rural Intersection Conflict Warning System)



Safety Warning
Reduces accidents

4G/5G Wireless Communication
No need for fiber cables

Solar Power
No need for power cables

Customization Acceptable



ClairSaf Rural Intersection Conflict Warning System (RICWS) utilizes a forward multi-object radar detector to real-time monitor the traffic operation status of motor vehicles, agricultural vehicles, etc., on rural roads. It conducts traffic flow data analysis, and the perception processor issues instructions for audio and visual safety warnings, prompting rational control of vehicle speed to reduce the occurrence of accidents at rural level crossings and curved road intersections.

[Read More on Linkedin](#)

ClairGeo Installation Tutorial

Easy installation of ClairGeo wireless magnetic sensors



The comprehensive installation process for the wireless magnetic detection system.

[View Full Video on Youtube](#)



Detailed installation tutorial of geomagnetic sensor.

[View Full Video on Youtube](#)



Detailed installation tutorial of repeater, receiver and data processing center.

[View Full Video on Youtube](#)

Application Scenarios

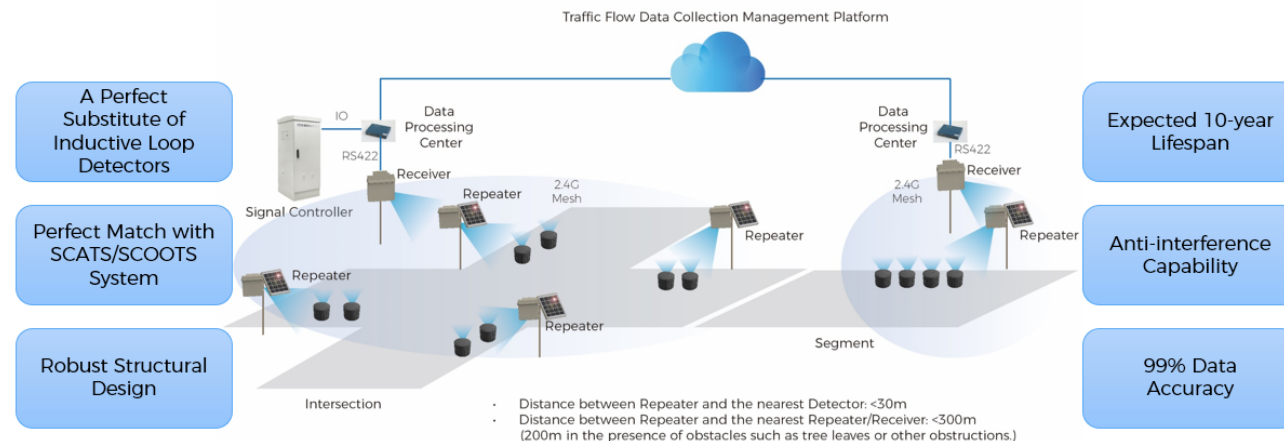
Wireless Magnetic Vehicle Detection System

ClairGeo Geomagnetic Vehicle Detection System



The wireless magnetic vehicle detection system offers versatile applications across various domains. This slide demonstrates the detail application scenarios including:

- Inductive Control
- Adaptive Coordinated Control
- Overflow Control
- Changeable Lines
- Inductive Control
- Adaptive Coordinated Control
- Overflow Control
- Changeable Lines



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[Read More on LinkedIn](#)

Clair Insights

The application and practice of drones in traffic management



How do drones ease the traffic management? In which applications? Use cases? What are the major challenges? Who are the major market participants? What are user's requirements?

- Applications
- Use Cases
- Challenges
- Market Participants
- User Requirements
- Closing Thoughts

[Read More on LinkedIn](#)

Events

Join us at IMSA show in Kansas, US, on March 27th.



TraffiClair

MEET US AT

IMSA

Advancing the Future of Public Safety
Central Section

Mar 27, 2024

Holiday Inn 8787 Reeder Overland Park KS 66214, United States

DYMEC
AMERICAN INDUSTRIAL

<https://www.dymec.com/>



TraffiClair

Data Powers Traffic Intelligence

Making roads smarter & safer.

ClairBox
Traffic AI Box

Video Detection + Signal Optimization in One!

ClairEye
AI Traffic Video Detectors

Presence, Traffic Flow, User Classification, Events...

ClairWay
Microwave Radar Detectors

Phased Array Technology Integrating Radar & Vision

ClairGeo
Wireless Magnetic Detectors

99% Traffic Detection Accuracy with Easy Installation

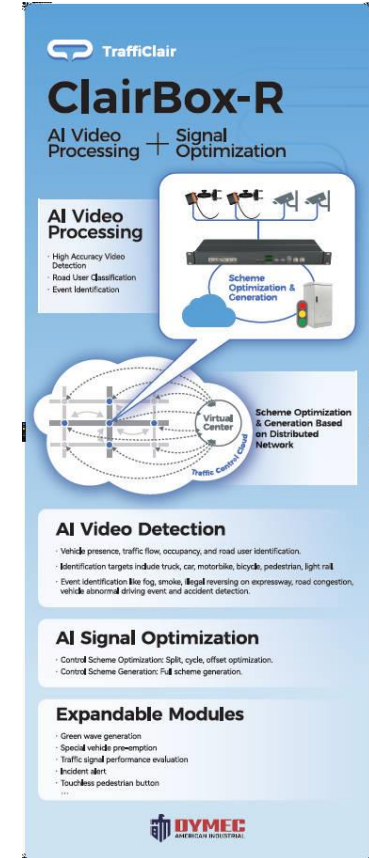
ClairLup
Inductive Loop Detector

Response Time <10ms & Cascading for Easy Interference Resistance

ClairSaf
Rural Intersection Conflict Warning

Solar Power Supply & 4G/5G Wireless Communication

DYMEC
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TraffiClair

ClairBox-R

AI Video Processing + Signal Optimization

AI Video Processing

- High Accuracy Video Detection
- Road User Classification
- Event Identification

AI Video Detection

- Vehicle presence, traffic flow, occupancy, and road user identification.
- Identification targets include truck, car, motorcycle, bicycle, pedestrian, light rail
- Event identification like fog, smoke, illegal reversing on expressway, road congestion, vehicle abnormal driving event and accident detection.

AI Signal Optimization

- Control Scheme Optimization: Split, cycle, offset optimization.
- Control Scheme Generation: Full scheme generation.

Expandable Modules

- Green wave generation
- Special vehicle preemption
- Traffic signal performance evaluation
- Incident alert
- Touchless pedestrian button

DYMEC
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Catalogue Release

TraffiClair Product Catalogue is now available.



Content

ClairBox Traffic AI Box & Video Data Processor

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- 3 ClairBox-B: Traffic Edge Computing Microserver with AI Video Processing

ClairEye AI Video Detectors

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- 10 ClairEye-V: AI Traffic Video Detector

ClairWav Microwave Traffic Radar Detectors

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- 12 ClairWav-T24S: 24GHz Traffic Control Radar Detector with 250m Detection Distance
- 12 ClairWav-T24LC: 24GHz Camera-integrated Traffic Control Radar Detector with 400m Detection Distance
- 12 ClairWav-T24SG: 24GHz Camera-integrated Traffic Control Radar Detector with 250m Detection Distance
- 14 ClairWav-T77: 77GHz Traffic Control Radar Detector with 300m Detection Distance
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ClairGeo Wireless Magnetic Vehicle Detection System

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- 24 ClairGeo-MDCV: M Series Wireless Magnetic Detector Receiver
- 25 ClairGeo-MDPC: M Series Wireless Magnetic Detector Data Processing Center
- 26 ClairGeo-MMCT: M Series Traffic Flow Data Collection Management Platform
- 29 ClairGeo-SDET: S Series Wireless Magnetic Vehicle Detector
- 30 ClairGeo-SDRT: S Series Wireless Magnetic Detector Repeater
- 30 ClairGeo-SDCV: S Series Wireless Magnetic Detector Receiver
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ClairGeo Geomagnetic Parking Detectors

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- 34 ClairGeo-MD2CA: In-ground installation Dual-mode Parking Detector with CAT Communication
- 36 ClairGeo-MD3LB: In-ground installation Triple-mode Parking Detector with LoRa Communication
- 36 ClairGeo-MD3NB: In-ground installation Triple-mode Parking Detector with NB-IoT Communication
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ClairLup Inductive Loop Traffic Detectors

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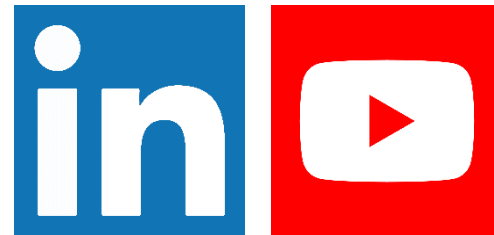
ClairSaf Rural Intersection Conflict Warning System (RICWS)

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[Download the PDF Catalogue](#)

Join the journey towards the future of mobility.

Follow us on LinkedIn and YouTube as we unfold the next exciting chapter in traffic innovation!





Thanks

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