

Keep an eye on your assets with Crystal by Ctrack



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In the rapidly evolving sector of agriculture, efficiency and sustainability are paramount. Developed by Ctrack, Crystal is a cutting-edge platform that offers a comprehensive suite of telematics tools designed, which can be utilised to boost agricultural operations. Managing and maximising asset utilisation are critical in boosting the productivity of any agricultural operation. Crystal's capabilities extend to detailed asset tracking and reporting, ensuring that every piece of machinery is used optimally, reducing idle times, and increasing overall efficiency. This systemic oversight helps in prolonging asset lifespans by preventing overuse and facilitating timely maintenance.

With the advanced capabilities of Crystal by Ctrack, farmers can now monitor the subtlest movements of their assets with remarkable precision. This feature allows for detailed reporting on the lines followed and the direction of equipment as it plows, sows, or dusts the fields. Such meticulous tracking not only enhances the accuracy of field operations but also optimises the overall management of agricultural activities, ensuring every pass is perfectly aligned with the farm's operational goals. Crystal's suite of core features is enhanced by its modular design which allows for plugins to be added as needed that can be specifically applied in farming to improve productivity, safety, and management efficiency.

1. Streamlined job and route management

The efficiency of agricultural operations often hinges on the ability to coordinate tasks and optimise routes. The jobs and scheduling plug-in

within Crystal allows farm managers to automate job assignments and route planning for their machinery and workforce. This integration results in superior task coordination, reducing overlaps and ensuring that operations such as sowing, fertilising, and harvesting are executed within optimal time frames.

2. Enhanced delivery confirmation process

Timely and verified delivery of agricultural products to markets and processors is crucial. The Electronic Proof of Delivery (EPOD) plug-in ensures that each shipment is digitally confirmed upon delivery, providing real-time updates and reducing discrepancies between dispatched and received goods. This feature is particularly beneficial for tracking the transport of perishable goods, ensuring they are delivered within their freshness window.

3. Advanced analytics for informed decision-making

The analytics plug-in enables farms to leverage data from various sources across their operations to enhance decision-making capabilities. By analysing performance metrics and operational data, farmers can optimise resource allocation, improve efficiency, and adjust practices to better suit current conditions, ultimately reducing waste and enhancing yield.

4. Enhanced fleet safety and security with cameras and video

The safety and security of machinery and assets are critical in large-scale farming operations. The video plug-in provides round-the-clock surveillance of equipment and facilities. Real-time

video feeds help monitor and respond to incidents rapidly, whether it's unauthorised access to storage areas or monitoring machinery operations to prevent accidents.

5. Customize the capabilities of your device for smarter fleet management

This allows farms to develop custom scripts and algorithms tailored to their specific operational needs. This focus enables farms to automate certain processes within their control. This allows for bespoke solutions to specific problems.

6. Precise temperature monitoring for sensitive cargo

For sectors of agriculture that deal with temperature-sensitive products like dairy or certain crops, maintaining the right conditions during transport is vital. The temperature report plug-in monitors and records temperature data, ensuring that conditions remain within a safe range to preserve product integrity. This plug-in can be utilised for different situations where environmental monitoring is required, like a storage silo or building.

Crystal's suite of telematics tools offers comprehensive solutions tailored to modern agricultural needs. From optimising resource management to enhancing operational oversight, these tools not only promise to increase efficiency but also aim to support sustainable farming practices. By integrating Crystal's technology, farms can navigate the challenges of modern agriculture and emerge more productive and sustainable.

