Crystal
by Ctrack

40 Year CELEBRATION

The Future of Fleet Asset Management with **AI-Powered Predictive Insights**

A one platform solution, combining Telematics and AI that is scalable to your business needs.

THE POWER TO PREDICT

Crystal by Ctrack

Crystal represents the pinnacle of Ctrack's innovation — a singular platform where the precision of Telematics converges with the foresight of Artificial Intelligence to harness the full power of Data Intelligence. This platform stands as a beacon of modern Fleet Asset Management, offering a live pulse on operations through its real-time monitoring capabilities and comprehensive analytics.

Designed to serve an array of industries, Crystal transcends the conventional, delivering bespoke operational optimisation, bolstering safety and equipping businesses with astute decision-making tools. Its versatility shines through its modular architecture, which invites companies to sculpt Crystal to their unique contours, ensuring it grows in tandem with their evolving needs.

With Crystal insights become foresight to plan ahead and control what is important to you.

We go beyond merely tracking your trucks, cars and assets.

This approach fosters safer environments, boosts performance, and lowers overall costs.

Optimise fleet productivity and efficiency

Reduce risk and minimise safety hazards

Improve asset management and tracking

Automate and Streamline Compliance

Manage and improve driver behaviour

Available on the App Store

Get it on Google play

Offerings

Discover the core value offering of our comprehensive suite of tools that can revolutionise your operations:

Dashboard Snapshots — Gain a quick overview of your operations with our intuitive dashboards that highlight key areas needing attention, ensuring you focus on what matters most.

Dynamic Reporting — Easily generate detailed reports that support informed decision-making and enhance administrative efficiency with our sophisticated data analysis tools.

Live Map Monitoring — Maintain constant visibility of your fleet with real-time tracking and live updates, providing complete oversight and control over your assets anytime, anywhere.

Replay Functionality — Analyse past operations with our historical data review, helping you understand trends and improve future fleet management strategies.

Productivity Dashboard — View real-time and historical activity of all assets through our Live Productivity Dashboard, offering a comprehensive snapshot of your fleet's operational status.

Intelligent Fleet Alerts — Stay ahead of potential issues with automated alerts powered by a sophisticated rules-based engine, allowing for quick response to any critical fleet changes.

Pro-active Asset Maintenance — Schedule maintenance proactively with our system that tracks service needs, reducing downtime and extending asset longevity.

Detailed TACHO Analysis — Monitor key vehicle metrics such as fuel levels, RPM and engine temperature to manage vehicle performance effectively and ensure compliance.

Efficient Job Management — Assign and monitor tasks seamlessly, enhancing productivity and ensuring efficient completion of operations.

Advanced Location Management — Manage and monitor Geo-Zones, track site visits and analyse logistical data to optimise your operational footprint.

Tollgate Optimisation — Reduce operational costs with managed toll expenses, optimised route planning and strategic toll usage.

Crystal Mobile Integration — Keep your fleet connected with Crystal Mobile, facilitating direct communication and real-time task management between managers and drivers.

CRYSTAL PLUG-INS

Select The Plug-Ins That Fit Your Business

Crystal boasts a modular architecture offering a range of Plug-In options to perfectly match your business's unique needs. This flexibility ensures that whether you're looking to enhance specific functionalities or integrate comprehensive solutions, Crystal adapts to you, promising a perfect fit for your operational requirements.

Analytics

Advanced Analytics Insights for Informed Decision-Making

Unlock actionable insights and drive smarter fleet management with the Analytics Plug-In, leveraging data for informed decision-making and operational optimisation.

Temperature Report

Precise Temperature Monitoring for Sensitive Cargo

Guarantee the integrity of temperature-sensitive goods with the Temperature Report Plug-In, providing detailed temperature tracking and alerts to ensure product safety during transport.

Camera/Video

Enhanced Fleet Safety and Security

The Video Plug-In offers 24/7 video surveillance of your fleet operations, enhancing safety, security and incident response with real-time and historical footage.

Planning

Streamlined Job and Route Management

Elevate operational efficiency with the Routes and Scheduling Plug-In, automating job management and optimising routes for superior task coordination and execution.

S.M.I.L.E

Custom AI Solutions for Smarter Fleet Management

Tailor your fleet's operational intelligence with the Small Mobile Interpreted-Language Engine (S.M.I.L.E) Plug-In, integrating custom scripts for enhanced decision-making and operational efficiency.

Tollgates

Toll Management Simplified

Enhances the management of your fleet's toll transactions, providing seamless integration with national toll systems for a smoother journey for drivers.

Electronic Proof of Delivery

Enhanced Delivery Confirmation Process

Revolutionise your delivery confirmation process with the EPOD Plug-In, offering digital, instant proof of delivery to boost customer service and trust.

CRYSTAL MOBILE
Streamlining Communication from Manager to Driver

Crystal Mobile bridges the gap between fleet managers and drivers, ensuring real-time communication and task management.

Secure Access
Password and biometric login, with compatibility across iOS and Android.
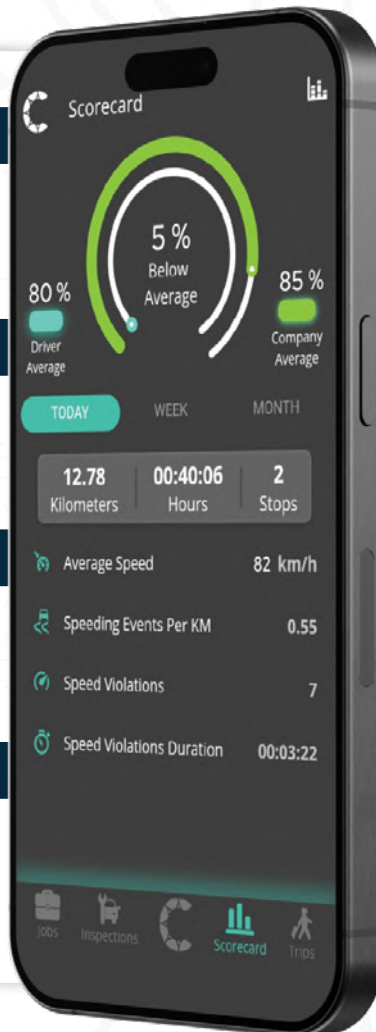
Navigation and Tracking
Optimised routing with live maps, comprehensive real-time location monitoring.

On-the-Go Inspections
Direct reporting from the app, streamlining inspections and reporting processes.

Job Assignments
Drivers receive tasks in real-time, enhancing responsiveness and task management.

In-Cab Video
Access to live video feeds from in-cab devices for real-time oversight and driver support.

Business/Private mode
Switch business and private modes for trip categorisation and tracking.

Driver Scorecard
Offers feedback on performance to facilitate driver improvement.

Live Chat
Instant communication between driver and manager, supporting efficient coordination and driver support.

The Power To Predict

"The Power to Predict" Encapsulates the essence of Crystal by Ctrack's predictive analytics capabilities, offering businesses strategic advantages in fleet and asset management:

Intelligent Fleet Alerts
Utilise historical data analysis to anticipate and address future challenges, ensuring operations are always a step ahead.

Operational Efficency
Enhance efficiency with smarter route planning and predictive maintenance, minimising downtime and maximising productivity.

Cost Reduction
Strategic forecasting leads to significant savings by optimising fuel usage, reducing toll costs and avoiding emergency repairs.

Strategic Insights
Transform data into actionable insights for improved resource allocation, risk management and opportunity identification.

Empowering Your Fleet with Advanced Hardware Technology

Crystal by Ctrack's fleet management solution includes state-of-the-art hardware enablers that provide precise data and seamless integration. These devices support comprehensive fleet monitoring and ensure optimal performance.

Robust Data Communication

Equipped with LTE and Bluetooth for reliable, fast data communication. Voice communications via Bluetooth voice kit, enhance in-cab communication.

Peripheral Data Integration

Supports peripherals like temperature monitors, barcode readers and fuel data sensors for comprehensive asset management.

Driver Behaviour Monitoring

Interfaces for driver identification (RFID and Dallas Touch key) and behaviour analytics help improve driver performance and reduce incidents.

Real-Time Location Tracking

Utilising GNSS and cellular technology for precise, real-time location updates, keeping managers informed about asset locations at all times.

Extensive Input/Output Options

Multiple digital inputs and outputs for monitoring various vehicle states, such as door status, PTO activation and fuel levels, enhancing customisation.

Over-the-Air Management

Supports over-the-air maintenance, including GPRS and SMS configuration, keeping devices up-to-date and efficient.

Accurate Event Recording

High-resolution accident recording and geofencing provide detailed incident insights for thorough analysis and prevention.

CUSTOMISATION AND INTEGRATION

Equip your fleet with Crystal by Ctrack's advanced hardware enablers for efficiency, safety and superior performance. Experience fleet management technology that adapts and grows with your business needs.

Edge Compute Compatibility

On-board data processing and custom scripts enhance decision-making and operational efficiency, with secure data processing and third-party device integration.

Comprehensive Reporting

Customised reports support informed decision-making and administrative efficiency. Real-time and historical data reviews improve future strategies.

Seamless Integration

Integrates with existing systems and supports third-party devices, making it a versatile solution for any fleet management setup.

Ctrack

Ctrack has been at the forefront of telematics and Fleet Asset Management for 40 years, delivering cutting-edge solutions that drive efficiency, enhance safety, and optimise operations. As we celebrate this milestone, we remain committed to innovation, continuously evolving our technology to meet the changing demands of businesses across industries. Our legacy is built on reliability, adaptability, and a deep understanding of Fleet Asset Management. With Crystal, our next-generation modular platform, we empower businesses with real-time data, predictive insights, and AI-driven analytics—ensuring smarter decision-making and operational excellence.

CONTACT

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