



CRYSTAL SOLUTION

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

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

THE POWER TO PREDICT

Introducing

Crystal by Ctrack

Work proactively with crash risk – from portfolio level down to individual fleets, drivers and trips.

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



Core Value

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.



Video Telematics

See what is happening, as it happens

Gain a real-time visual view of your vehicles, drivers and environment. AI-powered video, integrated directly with telematics, gives you live visibility, alerts, and recorded evidence in one system.

Improve safety, support driver coaching and resolve incidents with clarity and confidence.



Analytics

Turn data into clear, usable insight

Move beyond reports and start understanding patterns. Analytics structures your fleet data into decision-ready insight, helping you identify what keeps happening across your operation.

Focus attention where it matters, reduce repeat issues, and improve performance over time.



Risk Prediction

Predict risky driver behaviour before it becomes a problem

Identify patterns in driver and fleet behaviour that signal risk early. Built on large-scale historical data, this intelligence highlights exposure before it becomes visible in day-to-day operations.

Act earlier, prevent incidents and reduce operational and financial risk.



Transportation Management

Take control of your daily operations with Vantage

Bring planning, execution, and performance into one live operational view. Vantage connects trips, stops, drivers and delivery activity, allowing teams to manage operations in real time.

Reduce delays, respond faster and keep your entire operation aligned throughout the day.



Custom AI-Scripts

Act immediately at source with SMILE bespoke solutions

Create custom rules and actions that run directly on the vehicle. With edge intelligence, decisions happen instantly, without waiting for central processing.

Respond in real time, automate critical actions and tailor the system to your exact operational needs.



Fuel Management

Understand fuel spend, control cost

Understand fuel usage across every trip, not just total spend. AI compares expected vs actual consumption, exposing inefficiencies and unnecessary fuel use as it happens.

Reduce fuel spend, correct behaviour, and take control of one of your largest operational costs.



Cost Management

Know the true cost of every asset

See the full financial picture of your fleet over time. Combine cost, usage, and condition into one clear view, so you can make informed decisions about maintenance, rotation and replacement.

Reduce downtime, improve ROI, and manage assets with confidence instead of guesswork.



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

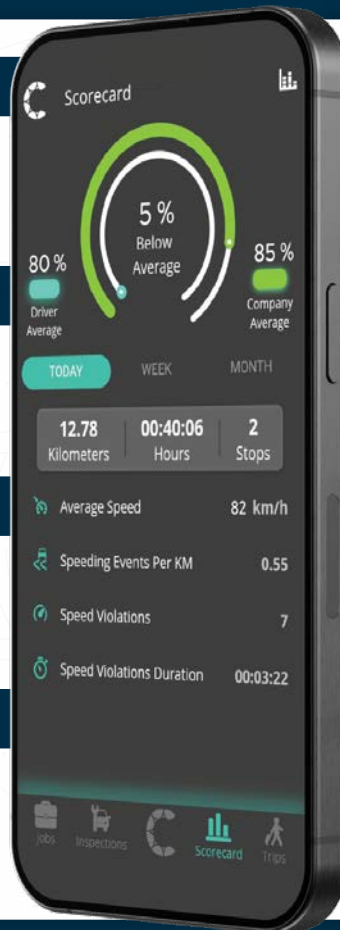
Optimised routing with live maps, comprehensive real-time location monitoring.

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.



Video

Access live video feeds and view events in real time for 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.



Cost Reduction

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



Operational Efficiency

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



Strategic Insights

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



Ctrack has been at the forefront of telematics and Fleet Asset Management for more than four decades, helping organisations improve efficiency, enhance safety and optimise operations. As we expand internationally, 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, supported by established operations across Africa, the UK, Europe, Australia and New Zealand. 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.

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