



## ANALYTICS PLUG-IN

# Data Insights for Informed Decision-Making

Unlock actionable insights and identify trends from fleet data, driving smarter management practices.

## INTRODUCING

# 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**



# Insights For Informed Decision-Making

The Crystal Analytics Plug-In is designed to transform your Fleet Asset Management with advanced data insights, facilitating informed decision-making and operational optimisation. This Plug-In enables businesses to unlock actionable insights from their fleet data, driving smarter management practices and strategic planning.



### Interactive Dashboarding

Customise your dashboards to monitor fleet utilisation, events, behaviours and trends. Focus on specific KPIs and metrics that align with your organisational goals.

Accommodate growing fleet sizes and evolving business needs with flexible deployment options.

### Scalability and Flexibility



### Behavioural Analysis

Identify driver patterns, compliance issues and safety concerns to improve efficiency within your fleet.



## KEY DASHBOARDS

# Data-Driven Decision Making

In Crystal, a dashboard is a visual interface that provides a comprehensive overview of key fleet performance metrics and data. It consolidates various data points into easy-to-read charts, graphs and tables, allowing users to monitor and analyse fleet operations in real-time. Each dashboard is tailored to focus on specific aspects of fleet management:



### Overview

- Serves as the central hub for monitoring overall fleet performance.
- Provides a summary of assets, operators, logged trips and insights into critical events like excessive idling and maximum speed to help you make informed decisions quickly.



### Utilisation

- Focuses on optimising asset usage.
- Analyses key metrics such as average kilometres per day and trip duration, highlights top distance contributors and risk times, enabling better asset deployment and scheduling.



### Ratings

- Evaluates device performance based on events.
- Tracks event severity and provides an aggregated fleet rating to help you implement targeted performance improvement initiatives.



### Event Management

- Monitors critical events like speeding and harsh driving.
- Offers detailed metrics on event frequency, severity and distribution, allowing you to implement interventions to mitigate risks and improve safety.



### Speed Management

- Ensures efficient speed management.
- Provides analytics on speeding events, duration and maximum speeds to help enforce speed limits and minimise road risks.



### Speeding Events

- Provides a comprehensive view of speeding incidents with heatmaps and detailed displays.
- Enables exportable reports, event type filters, and trend analysis by location.



### Wage Report and Time Sheet

- Streamlines payroll processing and compliance monitoring.
- Generates comprehensive reports on distance travelled, driving time and working hours to ensure accurate wage calculation and overtime management.



### Location Management

- Optimises route planning and resource allocation.
- Tracks location visit counts and durations, offering drill-down capabilities for detailed analysis and informed decision-making.



### Asset Ratings

- Evaluates and ranks asset performance and health based on key behavioural metrics.
- Provides comprehensive scores to help improve operational safety and extend asset lifespan.



### After Hour Trips

- Tracks vehicle usage outside of designated operating hours to enhance security.
- Identifies unauthorised trips and provides insights for optimising after-hour vehicle management.



### Weekend Driving

- Analyses weekend fleet activity to uncover driving patterns during off-peak periods.
- Offers insights to inform staffing, resource allocation and improve fleet performance.



### Asset ODO Reading

- Monitors accurate odometer readings to ensure precise mileage tracking.
- Supports proactive maintenance scheduling to minimise downtime and extend asset lifespan.



## CUSTOMISABLE REPORTS

# Tailored Reporting for Informed Decisions

Crystal Analytics offers customisable reporting options, allowing you to tailor insights to your specific operational needs and decision-making processes. Share planning, scheduling and gathered data with customised alerts for management.



### Enhanced Decision Making

Gain real-time visibility and make data-driven decisions that optimise fleet performance.



### Improved Safety and Compliance

Analyse driver behaviour to enhance safety and ensure compliance with regulations.



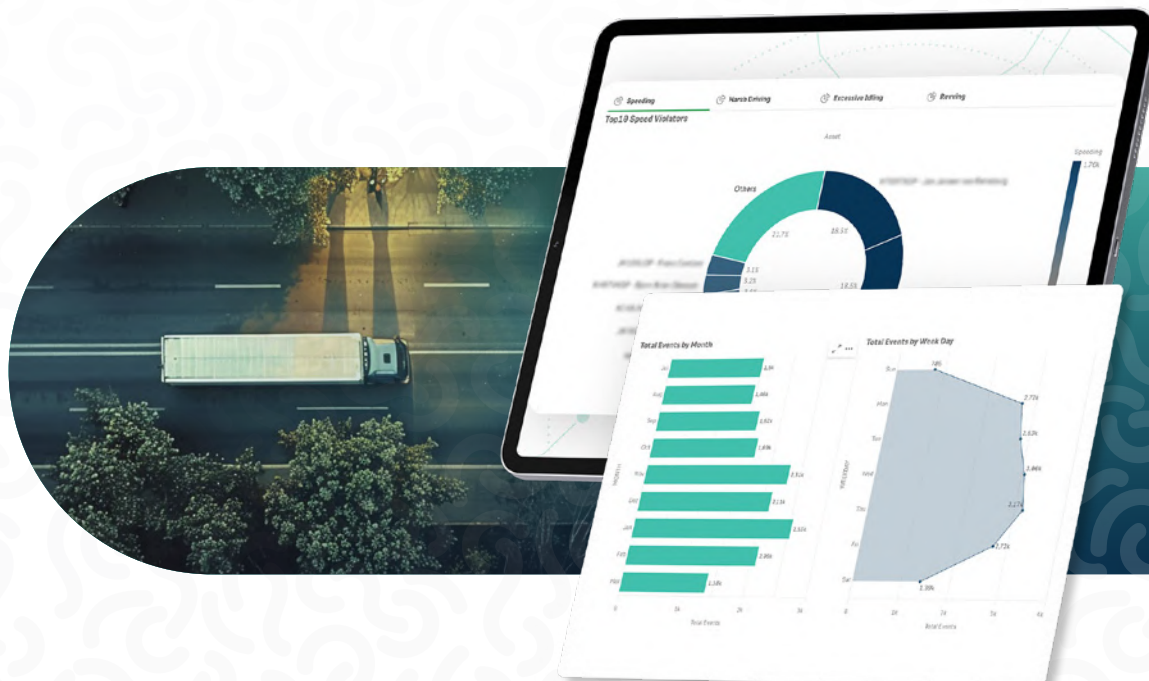
### Scalability

Grow and evolve your fleet management capabilities with scalable solutions.



### Operational Efficiency

Identify trends and patterns to optimise asset usage and reduce operational costs.



## KEY FEATURES

# Unlock the Full Potential of Your Fleet Data



### Optimised Utilisation for Maximum Fleet Efficiency

#### Optimised Asset Usage

Key metrics on daily kilometres, trip distances, and durations.

#### Performance Comparison

Compare distances over time to identify top contributors.

#### Trend Analysis

Understand driving patterns and peak risk times for better scheduling.

#### Customisable Insights

Tailored insights via distance distribution and utilisation percentages.



### Comprehensive Fleet Insights

#### Fleet Monitoring

Summaries of operations, tracking assets, operators and trips.

#### Event Analysis

Monitor events like idling, speeding and harsh driving.

#### Driver Infractions

Detect infractions and identify periods of high-risk to improve safety.

#### Utilisation Insights

Analyse trends in real-time for effective deployment.

#### Location Visits

Track visits to optimise routes and resources.



### Driver Updates and Wellbeing

#### Driver Wellbeing

Track daily distances and rest times for compliance and health.

#### Customisable Rules

Set rules for various metrics tailored to business needs.



### Detailed Event Tracking and Analysis

#### Comprehensive Tracking

Track events like speeding and idling by asset and time.

#### Detailed Analytics

Monthly and weekday totals, top contributors and events per 100 km for informed decisions.



### Full Usage Details

#### Detailed Insights

Comprehensive details on distance, time travelled and speeding events.

#### Granular Data Analysis

Drill down by period, day, or trip for detailed performance insights.



## Optimising Route Planning and Resource Allocation

### Route Optimisation

Track visit counts and durations for cost-effective planning.

### Detailed Analysis

Set rules for various metrics tailored to business needs.



## Streamlined Payroll Management

### Payroll Efficiency

Reports on distance, driving time and working hours for accurate wage calculation.

### Customisable Reports

Tailored reports for transparency and wage regulation compliance.



## Promoting Sustainable Practices

### Speed Management

Insights into speeding events, durations and max speeds.

### Top Violators

Identify top speeding violators to address risky behaviour.

### Visual Analysis

Speed distribution patterns and histograms for visual insights.



## Eco Driving Insights

### Driving Scores

Evaluate driver behaviour for fuel efficiency and eco-friendly practices.

### Reduction Initiatives

Identify opportunities for reducing fuel usage and emissions to promote sustainability.



## Evaluating Fleet Health

### Performance Ratings

Rate devices based on events for a quick health snapshot.

### Targeted Interventions

Use ratings and event counts for improvement initiatives.



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.



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