



SMART INTEGRATION TECHNOLOGY

Your unique business, your unique SMART solutions.

Where insight becomes foresight to plan ahead and optimise your business operations.

The Power to Predict

by  track





Data-driven decision making.

Crystal software so fully modular, that it can scale with your business as your needs change. It's also fully customisable, so that The Power to Predict can be built into your unique operating requirements. We know that no two businesses are alike, and you might have challenges that can't be solved with anything "off the shelf." That's where Ctrack Smart Integration comes in.

Crystal is designed in such a way, that 3rd party applications can be seamlessly integrated, catering for bespoke functionality that's unique to your world, addressing your unique challenges. The possibilities are endless, so whether you require trailer cargo monitoring, breathalysing functionality, or temperature monitoring for cold chain management you can, with Crystal - powered by Ctrack. Explore our Smart Integration options for a simple solve to a complex challenge or speak to one of our consultants for a full demonstration of our customisable capabilities.

Any industry, any asset, any size fleet - The Power to Predict is here.



Reduce risk and minimise safety hazards



Optimise fleet productivity and efficiency



Improve asset management and tracking



Manage and improve driver behaviour



Automate and streamline compliance

A giant leap from mere tracking and reporting to The Power to Predict.

Real time insights, real operational improvement.

Advanced features to plan ahead and optimise your operations.



SEE WHAT THE DRIVER SEES

Better driver behaviour leads to better business.

Smart Integration with Crystal offers real-time tracking of vehicles and drivers, providing a deeper view of what's happening behind the wheel. With telematics data, you can monitor speed, harsh braking, and rapid acceleration, taking corrective action when necessary. Crystal also offers advanced driver performance analytics for optimising routes and improving operational efficiency. It provides in-cab coaching to drivers, alerting them when parameters are exceeded and preventing bad habits from forming. By leveraging Crystal's insights and training programs, you can enhance safety, reduce incidents, and drive better business outcomes on the road.

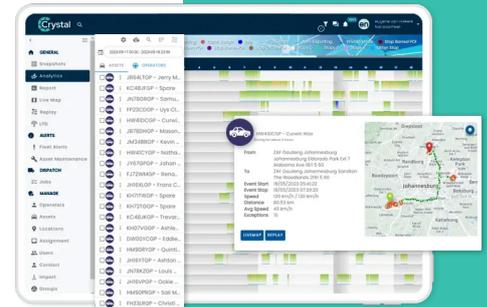


A CLEAR VIEW OF YOUR OPERATIONS

Camera technology that works for businesses.

The goal with our technology has always been focused on reducing risk, improving efficiency, and avoiding incidents at all costs, whether that's behind the wheel, on a construction site or due to a failure in compliance - all of which are preventable with the correct systems in place. Our advanced camera and video technology, Ctrack Iris now effortlessly delivers on exactly that and so much more within Crystal Video.

When you need to be closer to the action for an instant live feed of a stationary asset or the view from inside a vehicle on the move and the person operating it. With Crystal Video you will never again be left in the dark when it comes to what's really happening, right now. Smarter technology gives you the confidence to have eyes everywhere, accessible from any smart device at any given time.



UNIQUE SCRIPT CONDITIONS

SMILE, for endless customization.

Reporting on a speeding vehicle is one thing, but what if you want to be notified of speeding in a particular zone, at a particular time or under a particular set of conditions. The Ctrack SMILE script allows Crystal users the flexibility to setup unique conditions and scenarios, which will activate a report or initiate a predetermined action, if those conditions are met or exceeded. You can even combine multiple conditions (up to 32 different queries) under the same scenario. Reduce the speed of your trucks on gravel roads, (lowering your maintenance and repair costs), limit the loading or unloading of goods and cargo to specific locations; and just about any operating condition in any industry that you can think of. It's 35 years of Ctrack research and development expertise, offering you ultimate customisation and the Power to Predict.





READ DATA SOURCE

Communicate with CANbus.

Plug directly into a vehicle's central nervous system and read data from the source. Ctrack CANbus can read directly from the OEM CANbus data feed, pulling that information into Crystal for a specific and accurate view of engine data. Keep real-time tabs on over-revving limits, green band driving statistics and fuel usage over time. Use this critical info to support a driver culture change in your operation that not only promotes more efficient use of your assets, but higher standards of driver and operator safety, too.



MONITOR CRITICAL CARGO

Constant tabs on temperature.

Crystal's value goes far beyond what it can do for you and your business, it adds value further down the chain as well. Our ability to seamlessly integrate with 3rd party applications allows for clarity and confidence with your customers, for what's important to them, too. Ctrack cold-chain solutions manages the risk associated with strict temperature sensitive operations. Monitor critical cargo temperatures in trailers or cold boxes and let Crystal's Power to Predict suggest the most efficient route for the quickest, safest on-time deliveries. Use the endlessly customisable Ctrack SMILE script to create unique scenarios that ensure the monitoring, alerts and protection of precious food resources and urgent medical supplies in transit. It's real-time risk management in its purest form, with the Power to Predict from Crystal - Powered by Ctrack.



CALCULATE AND MANAGE TRUE FUEL USAGE

Managing fuel, managing costs.

The cost of doing business within the transportation industry has increased dramatically over the past few years due to external market conditions. Fuel accounts for 40% to 60% of a fleet's total operating cost and until now, there was no way to calculate and manage true fuel usage accurately and consistently. Now, with the Ctrack fuel solution, have eyes on the tank and take back control, ensuring your operations remain profitable, by ensuring efficiency wherever possible. You can't control the rising fuel prices, but you can have sight of live and accurate fuel levels and the rate of consumption, per asset or across the entire fleet. Use this real-time fuel data as a business tool and let Crystal assist you in making the kind of decisions that will have real impact on your bottom line.



SOS PANIC BUTTON

Always on call, always by your side.

The welfare of vulnerable workers is a priority for any business. Their well-being and safety must be given plenty of consideration and appropriate measures and processes need to be put in place. Ctrack offers panic buttons for vehicle crew members, giving the freedom and peace of mind to operate in locations with the notion that help is always on standby, all the time. By combining panic buttons with Vehicle tracking, you can receive email and on-screen alert warnings which are instant and location accurate. Real-time alarms allow appropriate action to be undertaken by office-based personnel to ensure the safety of your mobile employees, no matter where they are.

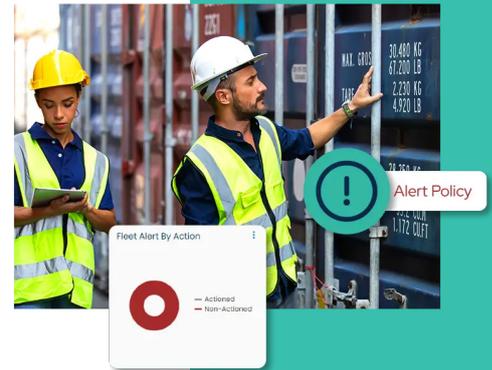




LOAD AND ASSET MONITORING

Load up on info.

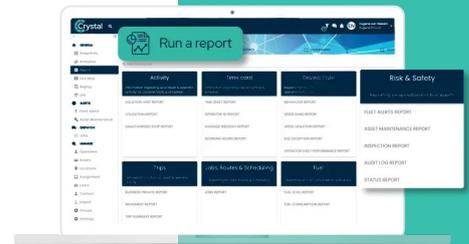
If you're in the business of transportation, you'll know that there's a lot more to fleet management, than the position of the truck and trailer. You'll need full visibility of everything, and that includes what's being loaded in the back. Using RFID Technology, our powerfully simple Crystal software can track that the correct goods are on the correct truck, headed to the correct destination. Even after arrival, trust Crystal to give you real time info about which cargo have been offloaded where, with control measures in place to secure anything out of the ordinary from happening, ahead of time. Using our advanced SMILE Script, you can setup specific conditions that will allow or prohibit the offloading of goods and packages. Keep back the back doors of delivery vans or trailers locked, if your cargo isn't at the right location at the right time, with real-time alerts so that you can act, before you have to react. It's peace of mind and confidence from the Power to Predict, for you and your partners which not only reduces risk but lowers insurance costs and limits losses as well.



FULLY CUSTOMIZABLE, FULLY CAPABLE

Smart business using smart integration.

The ability to customize unique scenarios to your business, are endless. Integrate tyre pressure monitoring, real time onboard weighing and enforce hazard detection and avoidance in advance. With so many moving parts to your daily operations, it's empowering to know that Crystal gives you the peace of mind to focus on running the business; not worrying about how it's running. Advanced telematics and data collection are the perfect tools to assist in maintaining compliance to regulations. Let Crystal monitor, track and alert you to any unexpected changes in equipment that affect safety protocol, like emissions or noise. Automatically generate reports and remain compliant without the complications, maintaining safety, protecting your company reputation and avoiding unintentional practices that could lead to costly penalties. Contact our consultants for of our Smart Integrations and experience how Crystal - Powered by Ctrack, has a fully customizable solution for your unique operational challenge.



Advanced features to plan ahead and optimise your operation.



Safety & security

- **Front and rear-facing cameras:** Capturing a comprehensive view inside and outside the vehicle for enhanced safety and monitoring.
- **Trailer cameras:** Extending visibility to trailers, enabling better monitoring of cargo.
- **Side cameras:** Enhancing visibility and eliminating blind spots with side-mounted cameras.
- **Video recording:** Capturing critical events and incidents with high-quality video recording for accurate analysis and evidence.
- **Panic remote:** Equipping vehicles with panic remotes that allow drivers to send distress signals or emergency notifications, ensuring prompt response and assistance during critical situations, prioritising driver safety and well-being.
- **Real-time alerts with emails and on-screen alarms:** Configuring real-time alerts and alarms for various fleet-related events and incidents, such as speeding, unauthorised vehicle use, or maintenance requirements, enabling prompt actions and mitigating risks, thereby improving overall fleet control and compliance.



Driving behaviour

- **24/7 Driver monitoring:** Tracking driver behaviour such as speed, harsh events, unscheduled stops, and vehicle abuse.
- **Driving performance analytics:** Analysing driver performance metrics to identify areas for improvement and optimize driving habits.
- **In-Cab coaching:** Providing real-time feedback and alerts to drivers when they exceed set parameters, promoting safer driving habits.
- **Driver training programs:** Developing customised training based on individual driver performance data to improve driving skills and safety.
- **Fatigue and advanced driver assistance system monitoring:** Implementing advanced monitoring systems to detect driver fatigue and assist with driver assistance features for safer journeys.



Productivity & efficiency

- Asset efficiency and replacement planning.
- **On-board weighing:** Utilising on-board weighing systems to accurately measure the weight of loads, ensuring compliance with weight regulations, optimising load distribution, and preventing overloading, thereby improving safety and operational efficiency.
- **Tyre pressure monitoring:** Monitoring the tire pressure in real time to maintain optimal tire conditions, reduce fuel consumption, improve safety, and minimise downtime associated with tire-related issues.
- **Monitoring of fuel consumption & levels:** Monitoring fuel consumption in real time and tracking fuel levels to identify inefficiencies, optimise fuel usage, and reduce costs, contributing to improved productivity and operational efficiency.
- **Temperature monitoring:** Monitoring and maintaining optimal temperature conditions for sensitive goods during transportation, preventing spoilage or damage and ensuring product quality and customer satisfaction.
- **CANbus engine performance monitoring:** Monitoring the engine performance data through the controller area network (CANbus) system, including fuel consumption, engine diagnostics, and performance metrics, to optimise fuel efficiency, reduce maintenance costs, and enhance overall fleet productivity.



Control (Compliance)

- **An Advanced customisation based on customer requirements:** SMILE Script with customisable time settings, real time notification of excessive standing time, pre-defined zone speed, pre-defined Zone Management
- **Maintenance and service reminders:** Setting up automated alerts and reminders for scheduled maintenance, inspections, and service requirements of mobile and fixed assets.
- **Breathalysers:** Implementing breathalysers in vehicles to promote safe driving practices and prevent incidents caused by driving under the influence, enhancing safety and compliance with regulations.



Asset management

- **Real-time asset tracking:** Tracking the location and movement of mobile and fixed assets in real time, providing visibility and control over their whereabouts.
- **Asset utilisation monitoring:** Monitoring the usage and productivity of mobile and fixed assets to ensure optimal utilisation and identify opportunities for improvement.
- **Geo-fencing:** Setting up virtual boundaries or geo-fences around specific areas or sites to receive instant notifications when assets enter or exit those zones.
- **Load and asset monitoring:** Monitoring the weight, condition, and status of loads and assets in real time, allowing for efficient planning, allocation, and utilisation of resources, minimising delays, and maximising productivity.



The Power to Predict

Your all-in-one fleet management solution that goes beyond tracking and reporting.

Professional service centre to outsource your fleet management saving you time and money.

Crack Bureau Services offers a fully-fledged service centre with professionals to manage your growing fleet, analyse data and proactively identify areas of improvement.

Get a customised solution with SMART integrations into your business and individual requirements.

Crystal's scalability extends even further with our SMART Integrations, seamlessly connecting with third-party applications that cater to your specific industry needs. Whether it's activating bespoke SMILE scripts, monitoring trailers, implementing breathalysers, or keeping an eye on temperature in the cold-chain, our unique differentiators can be applied to any industry.

Crystal Analytics is where Telematics and Business Intelligence meet, so that real decisions can be made that not only increase productivity but reduce costs as well. It's big data, simplified – putting the Power to Predict in the palm of your hand.



Scan QR Code to instantly chat to a Specialist or contact us at [0860 333 444](tel:0860333444) or crack.com to learn more.

