

REAL-TIME VISIBILITY



The power of *Crack's* telematic information is realised through *Crack's* easy-to-use suite of software solutions that add value to your business. The software solutions provide real-time access to your fleet through either a computer or mobile device, and includes valuable management information to increase overall productivity and effectiveness.

So, if you want a comprehensive solution that keeps your fleet always visible, then the flexibility of *Crack's* software solutions is what you have been looking for.

mobi®

Crack Mobi provides real-time access to the latest information and whereabouts of your fleet and employees from mobile devices such as smartphones and tablets. This easy-to-use application gives you an instant snapshot as to the location of your vehicles and assets along with their status details such as speed in list and map views. *Crack Mobi* is the ideal solution for remotely viewing your fleet when you are away from your office.



online®

Crack Online is a zero footprint internet based vehicle tracking and reporting application, with no software installation requirements, which gives businesses a real-time visibility and control tool to manage their fleet operations. Measureable business benefits ranging from reducing fleet running costs, boosting resource productivity to raising the level of customer service will be derived from using this application. Furthermore, the software requires no downloads.

Crack Online is suitable for fleets of all sizes, providing immediate operational benefits and financial returns. Information on vehicles, drivers, points of interest, geo-zones, general businesses, addresses and tasks are all available within *Crack Online*.



Using mapping such as Google, Nokia, Tele Atlas and Digital Globe, *Crack Online* enables a variety of viewing options to monitor multiple and individual vehicles in normal, terrain and satellite views (with labels) as well as access to live traffic flow information and journey directions.

No-go, preferred and waypoint geo-zones may be created to trigger email and SMS alerts regarding unauthorised vehicle movements into or out of predefined areas.

Making use of *Crack Online*, dispatch and schedule tasks may be effectively allocated to drivers by identifying the nearest vehicles to a job and selecting the appropriate employee based on required skill set. And via quick route calculations, distance and expected travel time can be displayed. Trip replays analysed with comparison overlaying map feature that monitors vehicle journeys on the map to identify job allocation issues and areas of improvement to increase jobs per week and maintain customer service.

Many leading companies are already choosing *Crack* MaXx to boost fleet performance and gain valuable business insight. *Crack* MaXx is a powerful management tool that combines advanced vehicle tracking with one of the most sophisticated business analysis packages currently available in the marketplace.

Not only does the system enable companies to better manage their fleet operations through improved visibility and control, but it also unlocks valuable knowledge to support:

- Business Transformation
- Change Management
- Innovation and Idea Management
- Trend Analysis
- Business Group and Cost Centre Analysis
- Automated Reporting Procedures

One of the key features of the *Crack* MaXx software is that all *Crack* systems report to one software platform allowing the management of all systems in one application. And because *Crack* MaXx adheres to all the latest industry technologies such as 64-bit computer processors, Windows Vista, Windows 7 and Microsoft SQL 2008 - system compatibility is seldom an issue.

Using *Crack* MaXx, companies can gain valuable insight into the needs and challenges of their business by understanding all aspects of fleet, driver and vehicle activity. This in-depth analysis can identify areas of improvement that can save time and money, as well as boost business and operational performance.

BENEFITS

Fleet and Workflow Management

- Identify nearest vehicles to a job based on status, skill set or available time and dispatch appropriate employee using a *Crack* cCom in-vehicle console.
- Integrate *Crack* MaXx with existing planning and scheduling tool to automate job allocation processes.
- Implement passive and proactive area management with the creation of geo-zones and points of interest to personalise the tracking tool and receive status alerts regarding key vehicle movements.

Advanced Vehicle Tracking

- Achieve added visibility and control by knowing the exact location and status of employees and vehicles in real time.
- Gain real advantage by driving down fleet running costs, boosting resource productivity and improving customer service.
- Enhance fleet performance by reducing fuel consumption, validating overtime claims, eliminating unauthorised vehicle use, achieving more per day, supporting environmental compliance, and increasing security.

Business Analysis

- Generate, schedule and issue many different management reports, with a range of flexible delivery options and easy to understand graph and table formats.
- Effectively analyse operational data, so critical business intelligence can be quickly shared across an organisation.
- Access a top level overview of key performance areas using an intelligent dashboard application that drills down to whatever level of detail is required to easily identify areas of under performance.
- Replay journeys for analysis of specific vehicle movements including route, 'green band' driving, RPM and speed in grid and map format.

Business Centre and Cost Centre Support Configurability

- Use Business Groups and Costs Centres to partition employees, vehicles and system users to mirror the hierarchical and operational structure of the organisation.
- A server-based system for organisations that want to manage operational real-time data locally for easy interfacing to 3rd party teams and bespoke reporting.
- Remotely access the in-vehicle unit to configure settings without the need for a physical diagnostic test.

ADDITIONAL FEATURES

MaXx Data Warehouse

Through industry/market investigations and research, we also included the option to install a data warehouse with the *Crack* MaXx software.

Key features

- Star Schema data warehouse structure: Fact and Dimension tables are industry best practices.
- Industry standardisation resulted in Cube Friendly *Crack* MaXx data warehouse. This feature will allow future expansion of dashboards and management information.
- The *Crack* MaXx data warehouse makes use of an ETL (Extract, Translate and Load) process to extract the *Crack* data from the existing MS SQL database. The ETL process is currently configured to execute once a day.

Benefits

- Speed of data retrieval. Months' worth of data is quickly displayed for management purposes.
- Highly scalable (fleet size). Small fleets to enterprise fleets containing more than 5000 vehicles can utilise the data warehouse.
- The data warehouse contains normalised and summarised *Crack* information. This will allow 3rd parties to interface much more easily with *Crack* information for their own report generation.

MaXx Executive Dashboard

Crack MaXx offers an executive dashboard option where information, which is contained in the data warehouse and has been through the ETL process, is displayed in dashboard format.

The KPAs (Key Performance Areas) with their KPIs (Key Performance Indicators) have been provided based on our market experience and research. The *Crack* MaXx executive dashboard is generated through MS SQL 2008 reporting services.





SOFTWARE COMPARISON

• Standard o Optional

General	mobi [®]	online [®]	maXx [®]
Zero Footprint Internet Software	•	•	
Server Based Software (installed)			•
Enterprise Data Warehouse			•
Multi-User LAN/WAN/Intranet/Internet	•	•	•
Visibility and Control			
Vehicle Polling	•	•	•
View Vehicle on Map	•	•	•
View Vehicle List	•	•	•
View Trip History on Map	•	•	•
Organisational Hierarchy Support Structure			•
Driver Behaviour			
Driving Information	•	•	•
Driver Information		•	•
Interactive Tacho Analysis			•
Operational Control and Productivity			
Multiple Management Report with Scheduling		•	•
Mobile Resource Management		•	•
Remote Area Management (Geo-zones)		•	•
Route Monitoring		•	•
Executive Dashboards		o	o
Reporting			
Safety		•	•
Security		•	•
Productivity		•	•
Driver Behaviour		•	•
Green Driving		•	•



FEATURES DEFINED

Visibility and Control

- **Vehicle Polling**
Remotely access information relating to the location of the vehicle.
- **View Vehicle on Map**
Indicates the location and status of the vehicle on a map.
- **View Vehicle List**
Shows the vehicles currently operational in an area.
- **View Trip History on Map**
Indicates the trip history of a vehicle on a map.
- **Organisational Hierarchy Support Structure**
The partitioning of employees, vehicles, assets and system users to mirror the hierarchical and operational structure of the organisation and its cost centres.

Driver Behaviour

- **Driving Information**
Indicating the style of driving.
- **Driver Information**
Indicates the profile of the current driver (age, name, skills etc.).
- **Interactive Tacho Analysis**
Displays a vehicle's speed and RPM on a time sealed grid sampled at 10 second intervals.

Operational Control and Productivity

- **Multiple Managing Reports with Scheduling**
Provides multiple reports on the status and efficiency relative to scheduling requirements.
- **Mobile Resource Management**
Connected via navigation and in-cab display.
- **Remote Area Management (Geo-zones)**
Displays preferred routes along with waypoints and no-go zones.
- **Route Monitoring**
Indicates static and scheduled route management.
- **Executive Dashboards**
Including KPIs and trend analysis.
- **Automated Scheduling Reporting**
Reports can be scheduled to automatically take place during predetermined times.

Reporting

- **Safety**
Speed violations, harsh braking, panic button, off route and seat belt indicators.
- **Security**
Includes panic button, battery tamper, no-go area, preferred area and off route indicators.
- **Productivity**
Helps to identify late starters and early finishers. (Derived from working hours.)
- **Driver Behaviour**
Includes speed violations, over-revving, harsh braking, harsh acceleration, harsh cornering and excessive idling indicators. These are all rated.
- **Green Driving**
Speed violations, over-revving, excessive idling and fuel used. (Fuel measured from CANBUS or fuel flow meter.)



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