



Intelligent Fleet Management An IoT of Telematics

Connected Fleet, Driver Behavior & Road Safety



Telematics and IoT

Welcome to the Internet of Things — and as a fleet operator, you're going to start hearing from your trucks more often. They'll be checking in to tell you where they are, how fast they're going, how safe the driving is, whether they're low on fuel, need engine Checks, or are if the required temperature is maintained in reefers. Thanks to the emerging field of fleet telematics, managers and drivers get feedback that allows them to change their practices for the better: improve route planning, change resting points for better driver alertness.

Imagine predictive maintenance schedules, with trucks rolling into shops where the mechanics have known what work would be needed before the engine was even purchased — based on usage data mined from the rest of your fleet and updated as the truck in question moved through its service life.

Does it sound like science fiction and perhaps a great way to save money, it's a bit of both. But improved knowledge about your assets will make your fleet work better. That's the promise of IoT of telematics, a future where collecting and analyzing fleet data is more than just a competitive edge — it's practically compulsory.

GPS Tracking & Fleet Management

iFMS provides a comprehensive interface (**over web and Mobile**) that provides control and visibility of Fleet to Operators and Managers and helps them streamline resource utilization and increase profitability.



Standard Features:

1. Real-time positioning of both Fleet and personnel

2. Detailed activity reports

3. Automatic alarm management

4. Point of interest (Pump stations, clients, workshop etc.)

5. Export of data to XLS , XML, CSV , PDF, etc.

6. Advanced messaging between dispatchers and vehicle

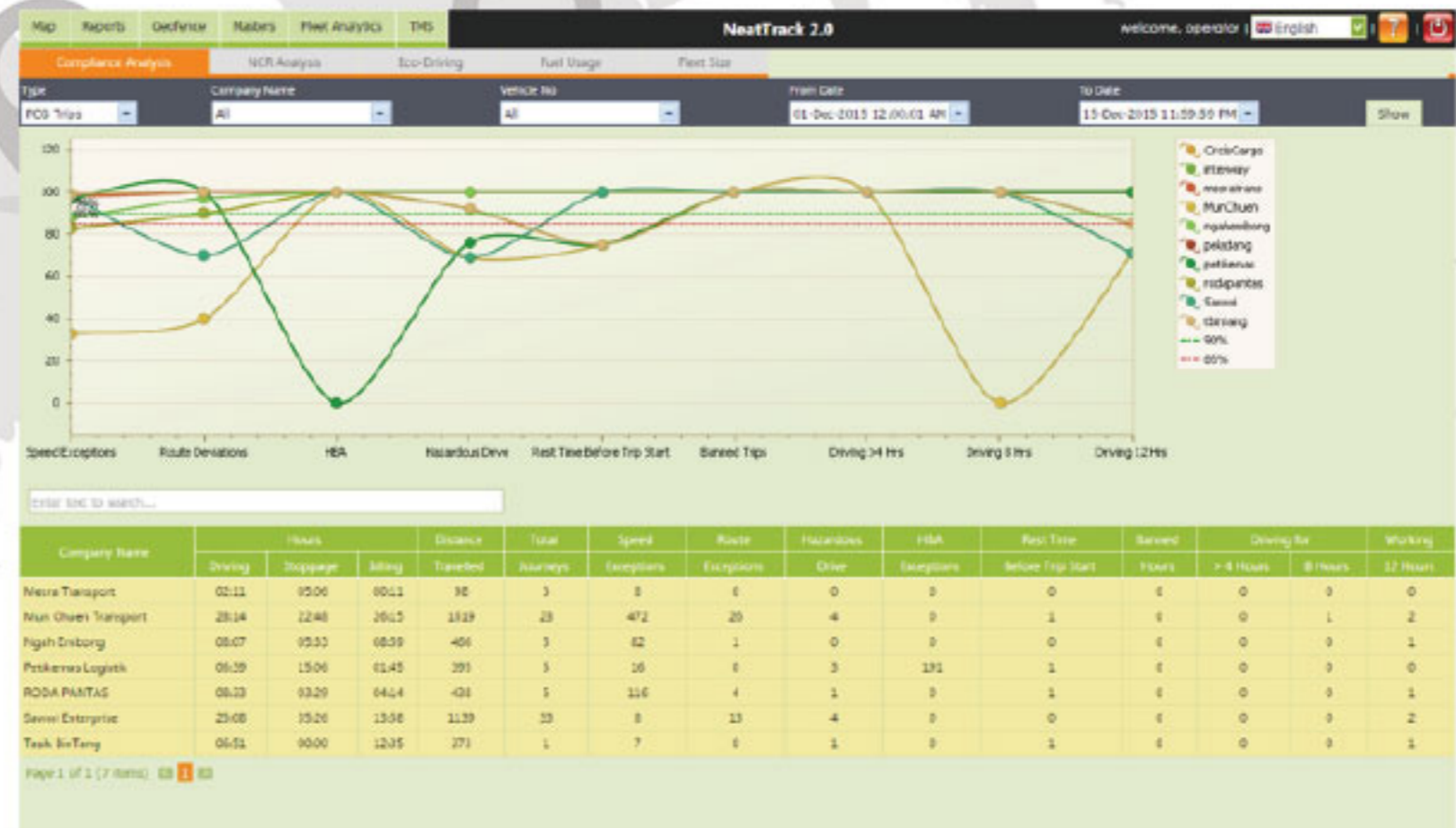
7. Find the nearest available resource

8. Automatically generated reports via email or to a server

9. Maintenance and service management

Analytics

Having access to necessary, critical information means everyone can do their jobs better, more effectively and efficiently. You need to be able to have immediate access to information that's relevant so that you or your managers can make informed decisions and initiate the most effective response



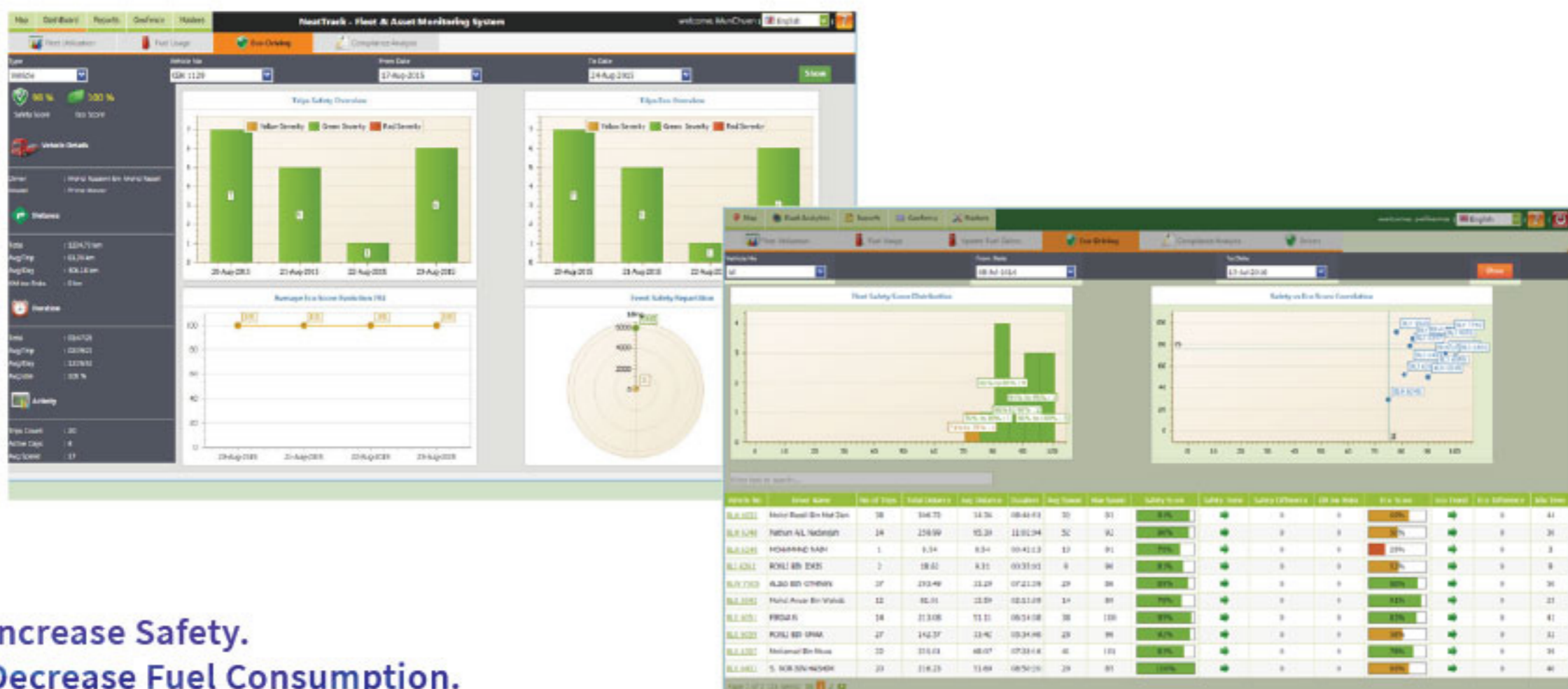
How It Works

At the press of a button, you'll be able to view all of the indicators you've defined as critical to make effective decisions and take the right action. Moreover, you and your managers will be able to receive critical alerts to events that can compromise your fleets' performance.

Driver DNA

Mitigating the potential for collisions is no doubt one of our primary concerns. Accidents can damage lives and property, delay cargo deliveries and hurt your company's reputation in the market, making driver safety critical. Interestingly, many of the same bad driving habits that decrease safety, increase fuel consumption – two things you definitely want to avoid.

Safe driving makes sense not only for your business, vehicles and drivers, it makes sense for the environment. That means you need to monitor, alert and improve bad habits, before they cause devastating results.



Increase Safety.
Decrease Fuel Consumption.

How It Works

Through comprehensive monitoring tools and sensors, you'll know things such as when a driver is speeding, hard braking, zigzagging through lanes and more. You'll be alerted if they've exceeded their hours of driving allotment, which could result in exhaustion and thus poor judgment. You and your drivers can get real-time alerts for dangerous driving patterns, enabling drivers to correct their behaviour and raising your awareness of potential risk.

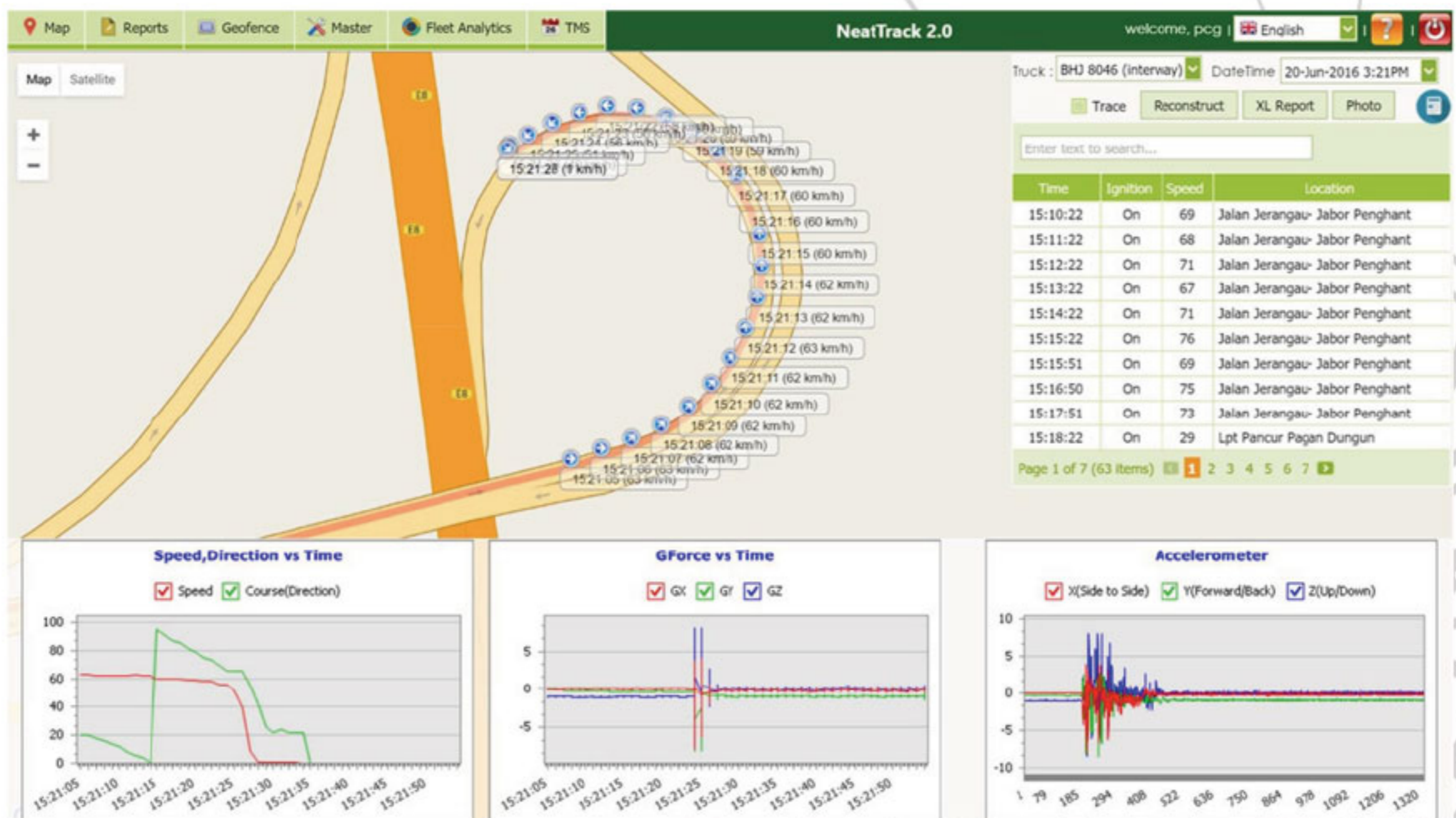
Besides saving lives, a safe and sustainable fleet brings real business benefits as it enhances your company's market position by ensuring timely deliveries.

Benefits

- Detects, analyses and reports aggressive or dangerous driver behaviour
- Identifies over-speeding, hard braking, hard braking while turning corners, accelerating, accelerating while turning, lane-deviation and engine idling over pre-defined thresholds
- Advanced reporting provides safety officers and trainers valuable insight
- Integrates with your ERP module, allowing you to calculate the cost of service per mile run and more

Accident Data reconstruction

- System captures and stores collision data for accident reconstruction – helping to establish cause and potentially mitigate liability.
- Automatic emergency alerting is initiated when an accident is detected with bi-directional communication enabled between the drive and the control centre, enabling a more effective response

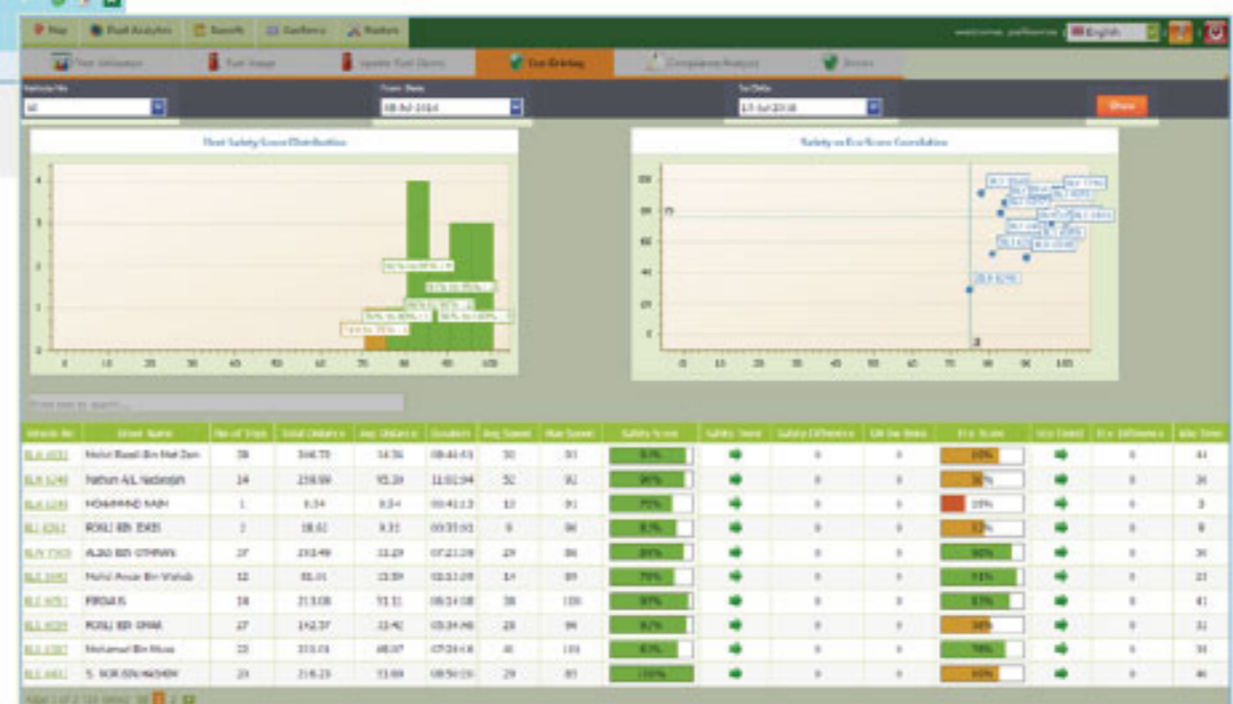


Route & Task Management

Get Efficient Planning

In logistics, timeliness isn't a suggestion, it's a necessity. In some cases, narrow time frames are part of your customers' business models, such as in lean manufacturing where minimal inventories are kept. Those customers deploy a strategy that includes minimal inventory, requiring suppliers to deliver material and goods with very tight timeframes. Not meeting those deadlines often results in fines or even losing the account. To avoid those consequences and meet all your customers' expectations, you need highly efficient planning of your routes and tasks.

ID	Driver	Vehicle	Status	Start Time	End Time	Distance	Time
1	Sethian	1001140	Summary Generated	15/11/2023 09:00 AM	15/11/2023 11:30 PM	100%	100%
2	Sethian	1001140	Summary Generated	15/11/2023 09:01 PM	15/11/2023 11:29 PM	100%	100%
3	Sethian	1001140	Summary Generated	15/11/2023 09:00 AM	15/11/2023 11:29 PM	100%	100%
4	Sethian	1001140	Summary Generated	15/11/2023 09:01 AM	15/11/2023 11:29 PM	100%	100%
5	Sethian	1001140	Summary Generated	15/11/2023 09:01 AM	15/11/2023 11:29 PM	100%	100%
6	Woo Hoong	1001140	Top Started	15/11/2023 01:25 PM	15/11/2023 11:30 PM	100%	100%
7	Sethian	1001140	Summary Generated	15/11/2023 11:00 AM	15/11/2023 11:29 PM	100%	100%
8	Sethian	1001140	Summary Generated	15/11/2023 11:00 AM	15/11/2023 11:29 PM	100%	100%
9	Sethian	1001140	Summary Generated	15/11/2023 09:04 AM	15/11/2023 11:29 PM	100%	100%
10	Woo Hoong	1001140	Summary Generated	15/11/2023 09:07 AM	15/11/2023 11:29 PM	100%	100%



How It Works

Trip Schedules are uploaded into the system, including routes, delivery schedules required by the customer, point of interest locations, refreshment stops and refuelling stations. Once the vehicle begins its trip, the system monitors execution and alerts in the event of an exception. Investigations can be executed and reported in the event a customer complains about certain aspects of the delivery.

In the event that a regulatory compliant delivery notification is required, a report will be mailed to the customer that includes sensor data.

Benefits

- Monitor the trip status in real-time & get trip completion notification
- Deviation from pre-determined arrival at delivery location crates alerts (before or after customer "window" of delivery)
- Alerts will be sent in the event the vehicle performs trips that have not been approved or trips are executed during hours that have not been approved

Fuel Fraud prevention

Fuel is your fleet's largest single source of operating cost. And as such, fuel consumption and fuel fraud, deserves special attention. You need to optimize consumption and reduce theft or other loss when and wherever possible given, which has a direct impact on your organization's bottom line performance.



How It Works

The fuel sensor installed in with the telematics Unit collects real-time level data, which is analyzed in conjunction with distance travelled. In addition to monitoring fuel level, fuel theft or sharp drop in fuel level is notified by alerts.

Benefits

- Real-time Identification of fuel fraud by matching consumption trends, gas stations locations with gas-filling and sudden drops in fuel tanks
- Identifies cost and fuel waste caused by idle driving, excessive speed and use of the vehicle outside of the hours of service
- Calculates and compares fleet performance indicators – mileage per liter/mile, detect evolution of fuel price per mile run and more
- Detects fuel theft between refuellings using CAN data or a fuel-probe sensor.

Vehicle & Driver Safety

Boost Your Security

Theft and the more life threatening act of robbery, are a primary concern for all fleet operators. Transporting valuable goods, and operating high value vehicles makes your business an attractive target for criminal elements. You need the right tools, expertise and support to mitigate both the potential of these acts and reduce their impact if they do.



How It Works

An Immobilizer is installed in the Vehicle that releases Starter circuit only upon using an Authorized Driver Identification Tag / key. Any un-authorized attempts to start ignition can trigger a buzzer and send instant notification to Driver and operation manager.

Drivers can use easily accessible SOS button to send notification for emergency.