



FORKLIFT MANAGEMENT SOLUTIONS DRIVING YOUR BUSINESS FORWARD

The cost of running a forklift includes the capital, insurance, maintenance, tyres, fuel, labour and accidental damage costs. FMX is the perfect tool to increase productivity and decrease running costs, extend the lifespan of the forklift and improve operator behaviour.

FMX's range of unique, customizable solutions have made it the number one name in Forklift Fleet Management systems. FMX offers a combination of advanced fleet management features which include:

- Operator Display
- Operator Identification
- Immobilization
- Message to Display
- Run Hour Monitoring
- Engine, Starter Motor, and Transmission Protection
- Battery Management
- Weight Indication

FMX offers a number of features and benefits to establish a forklift management system that meets your operational requirements. From a single machine used in a small facility, to a national fleet comprised of multiple functions and requirements, any facility will benefit from our forklift management solutions.

Fleet Management Savings with FMX

Typical fleet management savings consist of the following benefits (where appropriate response to alerts and reports is followed)

- Fuel & Life Cycle costs – 30% Reduction
- Risk Management costs – 25% Reduction
- Machine Repair costs – 25% Reduction
- Machine Downtime – 10% Reduction
- Unauthorized Usage – 100% Reduction
- Tyre Wear - 49% Reduction



FLEET MANAGEMENT AT YOUR FINGERTIPS

FMX Display

The FMX Display is an LCD, touch-screen, operator interface linked to our FMX fleet management system, enhancing the features already provided in order to optimize productivity and reduce operational costs. The Display adds dynamic, visual feedback to the user before, during, and after operation of the machine.

Display features

- 5" Color Capacitive Touch LCD Screen with a resolution of 800x480
- Robust Industrial Strength Casing
- Access Control
- A Pre-Operational Checklist to report on any faults on the vehicle and prevent the vehicle from starting if required
- Active feedback to the operator on all alerts & warnings



FMX Bureau Services

Our FMX Bureau service ensures that our customers receive the maximum benefits of FMX, with minimal effort. At Macrocomm RTS we understand that you have a business to run and may not have the time to analyse the FMX data and reap the full benefits. We now offer customized day-to-day FMX Bureau services that will make managing your fleet easier and more convenient.

Our FMX Bureau Services include:

Instant Alerts

- FMX detects critical events

Daily Automated Reports

- You will receive automated reports which will assist in identifying issues of concern and potential cost saving areas

Weekly Health Reports

- Fault finding is done on your fleet by a dedicated FMX Bureau agent

Monthly Synopsis Reports

- This is a detailed report that points out areas of your operation that can be improved upon

After Hour Reports (Emailed Daily)

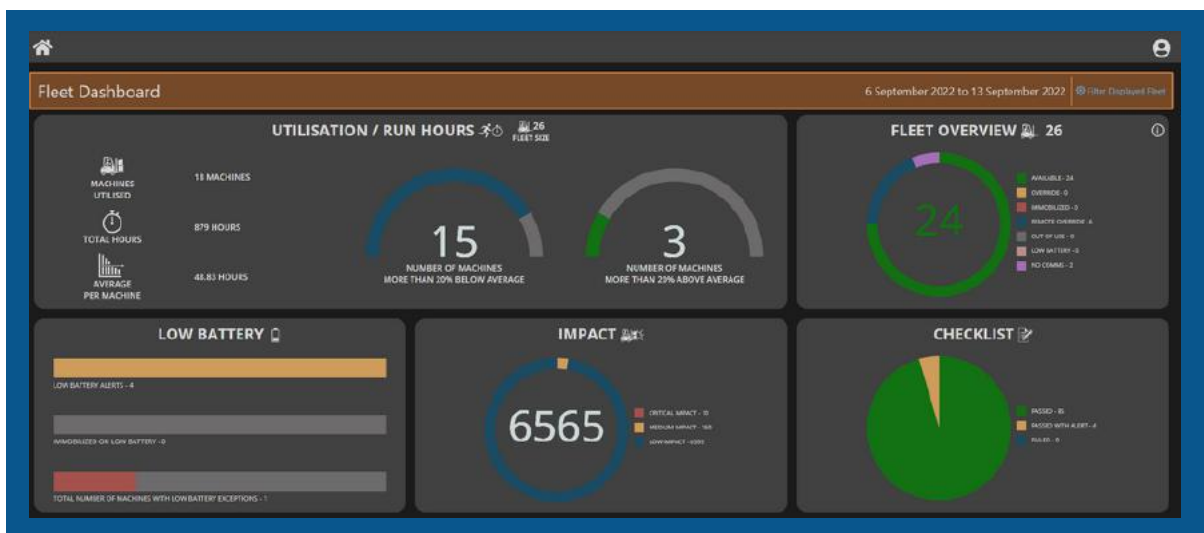
- Afterhours exception report

CONVERTING INFORMATION TO INSIGHT

FMX Dashboard

ICEcloud is the platform that hosts FMX software. It boasts a new and improved interface, designed for optimal functionality and ease of use. FMX offers Fleet Overview, a Dashboard and Machine Status. The Dashboard displays a graphic synopsis of your fleet's utilization, battery alerts, impacts, checklists, and more.

Fleet Dashboard



Detailed View

The Detailed Impacts view provides a drill-down of the data from the Fleet Dashboard. It is divided into two main sections:

Operator Impacts

Operator	Employee No	Branch	Total Critical Impacts	Total Impacts
Machine in Overide		DSV Plumbago Solutions - DEE	22	1991
Nihesant Roshmadi	195316	DSV Plumbago Solutions - JSD	3	42
Machine in Overide		DSV Plumbago Solutions - MTN/ Huawei	1	246
Machine in Overide		DSV Elidz	1	179
Solomon Motolopa	2514	DSV Plumbago Distribution	1	89
No Driver Logged In		DSV Plumbago Distribution	1	88
Thibbeu Selume	141756	DSV Automotive Roslyn Fiat	1	77
Dario Abahama	105021	DSV Road Distribution Solar City	1	42

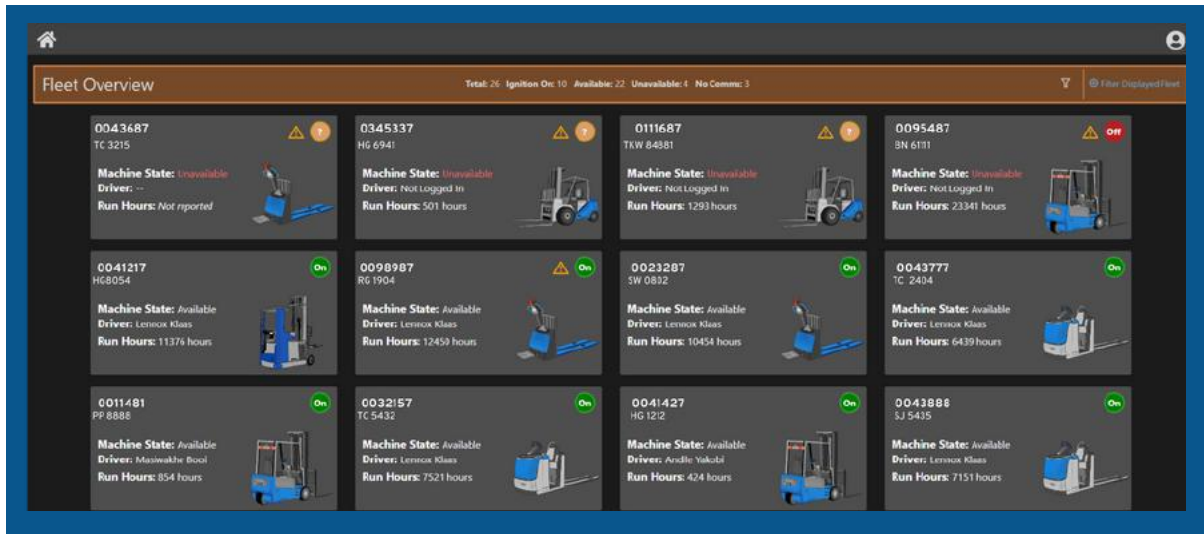
Machine Impacts

Ref No	Fleet No	Model	Brand	Critical	Medium	Low
96623399	96623399	ECE225	DSV Plumbago Solutions - DEE	11	33	658
96623398	96623398	ECE225	DSV Plumbago Solutions - DEE	4	18	243
96623731	96623731	ECE225	DSV Plumbago Solutions - JSD	3	7	139
96623394	96623394	ECE225	DSV Plumbago Solutions - DEE	2	26	217
96623395	96623395	ECE225	DSV Plumbago Solutions - DEE	2	10	145
96644895	96644895	ECE225	DSV Plumbago Distribution	2	3	189
96259004	96259004	ECE 130	DSV Plumbago Distribution	2	0	41

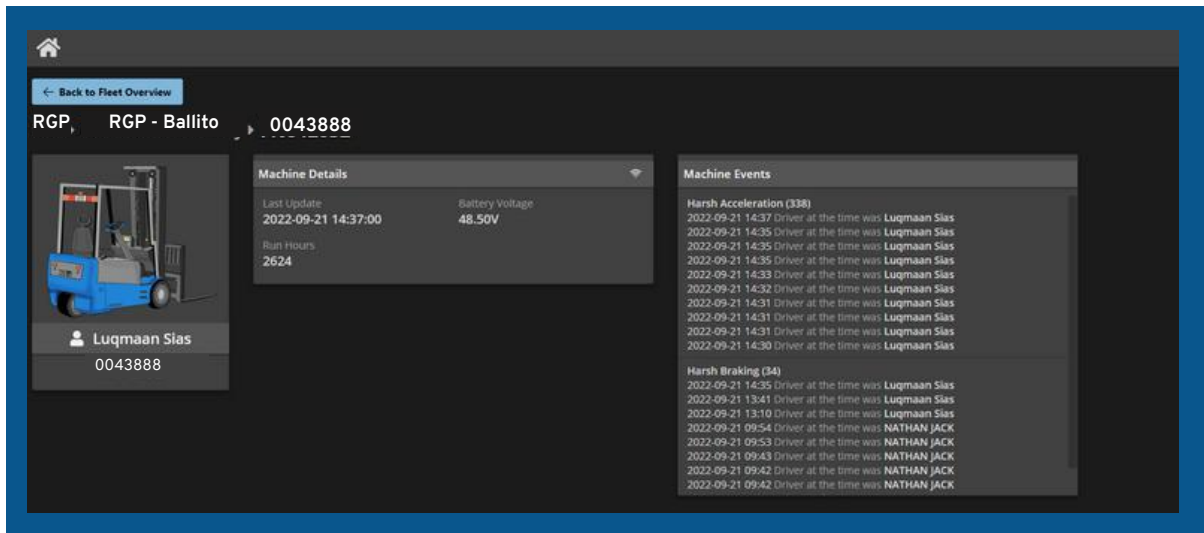
The new look FMX software strives to simplify the data previously only available via reports by presenting it in a graphical format. By clicking on one of the items on the Fleet Dashboard, you can see a drill down of the info behind the dash. Here you can view machine data and then corresponding operator data with the click of a button.



Fleet overview



Detailed View



FEATURES

- Dynamic Interface
- Fleet Overview
- Machine Status
- Fleet Dashboard

BENEFITS

- Mobile Friendly
- User-Friendly Interface
- Easily access machine status and fleet overview
- Remote management
- Complete control & customisation

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FMX: THE INTELLIGENT SOLUTION FOR YOUR BUSINESS



Benefits

FMX provides real time communication that helps reduce maintenance costs. Live reports and alerts allow for instant notifications of unwanted actions or incidents while work is still in progress.

Monitoring Harsh Braking and Acceleration:

- Reducing tyre wear and transmission damage control, automatically improving maintenance costs.

Impact Detection:

- Immobilization on critical impact. Identifying the operator involved and damage to forklifts, racking and products.

Ignition Left On/Excess Idle:

- Reducing unnecessary run hour accumulation, and saving fuel. The accurate reporting on run hours helps with billing and servicing schedules and will increase the time between service intervals, ensuring services are actually required.

Battery Monitoring:

- Low battery detection facilitates the prevention of damage to batteries and electronic components on electric forklifts, by cutting out on low battery.

Access Control:

- Prevents unlicensed, unauthorized use of machines and thereby leads to more responsible habits due to increased accountability.

Daily Fluid Checks:

- Daily checks managed by our bonnet closed reporting facility assist with good maintenance.

Engine & Transmission Protection:

- Monitors oil pressure, engine temperature and water levels and extends the life cycle by over 60% (in IC Forklifts).

FMX Display:

- Touch screen with operator interface, online checklist, and active feedback.
- Direct two-way messaging between operator and control room.

Speed Monitoring/Limiting:

- Helps to prevent impacts, thus reducing health and safety incidents.

Master Tags:

- Only authorized personnel are permitted to start the machine if it has been immobilized.

FMX Weight Indicator:

- Provides an indication of the load weight on the forks.

Health & Safety:

- Provides seatbelt monitoring and start lock out.
- Overload warning and immobilization.
- Speed warning and limiting.
- Online checklist (with FMX Display only).
- Impact detection including immobilization on critical impact.
- Operator identification provides accountability, limits unauthorized usage, and gives early warning of expiry of drivers' licenses.

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