



THE BENEFITS OF OUR ADVANCED FORKLIFT MANAGEMENT SOLUTIONS

Significant Fleet Management savings with FMX

Typical Fleet Management savings consist of the following proven and verified benefits (where appropriate response to Alerts and Reports are followed)

- Fuel & Life Cycle costs – 30% saving
- Risk Management costs – 25% saving
- Machine Repair costs – 10% saving
- Reduction in Machine Downtime – 10%
- Reduction in Unauthorised Usage – 100%

This translates to an average saving of 31% with typical Fleet Management

In addition FMX fleet management solutions produce:

- Up to 49% actual tyre savings due to Transmission Protection (Forklifts)
- Idle cut-out (depending on time out selected) produces fuel savings of up to 23%
- Engine (oil/water) & Transmission Protection extends life cycle by over 60%
- 100% identification and elimination of over-cranking with Starter Motor Protection (producing savings on starter motor replacement and reconditioning) and eliminating unnecessary battery damage
- The above will also help to identify Low Battery and Low/Empty gas
- Battery Cut Out, Low Battery, Opportunity Charging Detection
- Instant alerts
- Up to date exception reporting
- Comprehensive management reports
- FMX display with active feedback and online checklist

Additional benefits

Many of the other benefits of FMX, while not specifically measurable, do provide non-tangible savings such as:

- **Premium reductions** are possible from insurance companies due to the proactive risk reduction that FMX provides. The reporting can then assist with validating incidents that result in claims.
- The monitoring of daily engine lubricant checks is managed by our Bonnet Open/Closed reporting facility. This can assist in verifying lubricant checks, i.e. oil, water and hydraulic fluid, which could in turn, **extend the life cycle of a machine by 2-3 years**. The person/s responsible for carrying out the daily checks can now be held accountable.
- Transmission protection can **reduce drive chain wear** and tear; thereby **extending the life of a gearbox and differential by a further 2-3 years**.
- The correct utilisation of the productivity feature can assist in increasing/decreasing your fleet size and ensure **optimal usage of assets and drivers**; it can also **prevent unnecessary strain on the hydraulic pump, mast and hydraulic lines** with the Load Protection features, such as Excess and Overload alerts.
- Access control can **prevent unlicensed and unauthorised use** which has a benefit in reduction of repair costs and helps reduce Health and Safety claims.
- Speed Monitoring/Limiting helps **prevent Health and Safety incidents as well as impacts**. In addition to the Monitoring, and the Alerts on speed parameters breached, we can also perform Speed Limiting in a manner that does not affect machine performance and fuel usage – removing the possibility of speeding entirely and preventing possible safety issues in advance.
- Harsh Braking and Acceleration monitoring can **identify driver behaviour trends** leading to impacts and other incidents. It can also **reduce tyre and brake wear**.
- Impact detection can ensure that damage to forklifts, racking, product, buildings and other machines are identified on the machine as well by driver involved, **supporting the relevant follow-up actions** (disciplinary or remedial/training).
- Battery Cut Out, Low Battery Detection and Opportunity Charging detection can **extend your battery life cycle by 2-3 years**. Most operations get 3-4 years on their batteries, a well-managed charging process can extend battery life to 7 years.
- Accurate Run Hours **prevents unnecessary billing** and allows Run Hour comparisons on the fleet to **prevent incorrect service cycles**, and unnecessary overtime charges. This information can also be used for effective fleet rotation.
- Fuel Profiling can **identify trends in fuel usage**, particularly events that may be the result of siphoning.
- Engine Protection through monitoring of Oil Pressure, Engine temperature and Water Levels could **prevent the use of the machine when such use can cause damage to the engine**.
- Master tags ensure that **only authorised personnel are permitted to start the machine** if it has been immobilised for an exception, i.e. impact, over speed, battery low, engine protection, etc.
- **Ignition left on/excess idle alerting** reduces battery drainage, and resultant 'non-starts', reducing repairs/call outs and productivity losses, as well as unnecessary Run Hour accumulation.
- The **FMX display** is a full colour LCD, touch-screen, operator interface linked to our FMX fleet management system, enhancing the features already provided in order to optimise productivity and reduce operational costs. The display adds **dynamic, visual feedback** to the user before, during and after operation of the machine.

FMX - total fleet management solutions for forklifts

The cost of running a forklift includes the capital, insurance, maintenance, tyres, fuel, electricity, labour and accidental damage costs. FMX is the perfect tool to decrease these running costs and increase productivity by optimising the number of forklifts used, increasing the productivity of forklifts, increasing the forklift productive life and improving driver behaviour. Simply responding timeously to the exception alerts can pay for FMX in itself without the need for further justification.

The FMX hardware costs on an IC machine (single shift) are recoverable within 6 months and on a double shift machine within 3 months. (ROI based on tyre/fuel savings and reduction of unbilled excess run hours).

Discover the power of advanced, effective forklift management solutions for your operation, with FMX.

DISTRIBUTED BY:

Macrocomm Telecommunications
Tel: 086 100 0342
Email: sales@mcomm-rts.co.za
Website: www.mcomm-rts.co.za

