

DOES YOUR FORKLIFT TAKE THE ROAD LESS TAKEN?

TRY SMARTMOVE

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Today forklifts are the most common sight in a warehouse. They are heavy vehicles with a pronged device for moving goods from unloading area, to shelves and taking them for the dispatch area. They carry bulk weights and facilitate easy movement of the inventory. These are very costly equipment, so they have to be utilized to the best of their capacity in order to realize an effective ROI on them.

In fact, the trickledown effect of forklift efficiency flows down to the bottom line not only by reducing warehouse operating costs, but also by improving safety & maximizing warehouse space utilization. However, the reality is otherwise, an Industry survey shows that 94% of material handling businesses does not have an accurate record of their forklift fleet!!

With IoT finding its way into warehouse management systems, smart forklifts can act as change agents to realize better efficiency through forklift management. So, now let us discuss on how smart forklifts improve Efficiency?



1. **Tracking Forklift Movement:** When a warehouse is operating heavy machinery like Forklifts for material handling, it's important to know how the forklifts are moving, and where they are moving, because each movement of a forklift has an insight to be looked into & work upon!

Is the forklift carrying optimal weight per every kilometre of its travel?

How many kilometres per day it is travelling with null weight (Empty movement) & how to reduce it? Which forklift driver is consistently performing well? Which forklift driver is below the expectation? and the list goes on.

Smart forklifts equipped with indoor RTLS systems enable 100% visibility of forklifts and forklift drivers. We can track every movement of forklift including speed and direction.

2. **Safety:** Man machine interface is one of the key parameters to evaluate the safety of operations. This interface should be minimum to ensure smooth and safe operations. In this context its inarguable that forklift movements have to be continuously monitored for safety of the drivers, forklifts & inventory. With the ever rising complex structures of the warehouses & volume of operations, the safety managers should take decisions about safety routes & loads on the basis of most reliable data. Smart forklifts can give recommendations on less congested routes by analysing the data on forklift density over a path in real-time. It also provides the speed profile of forklift operators on a monthly basis, which helps the safety managers to plan training sessions & safety guidelines at blind spots.
3. **Warehouse Space Utilization through Analytics:** With changing customer requirements and the production of multitude new items every day, warehouse slotting cannot afford to be static anymore. The Bin selection logic should be such that right items are placed at right places and the design of optimal paths should facilitate optimal forklift movement. With smart forklifts, the software plots historical forklift movement on the warehouse layout. It gives insights on routing pattern and also identifies locations – that are hidden but eating on the productive time of the warehouse. The heat map analysis gives insights into any changes of A class, B class & C class items and subsequently their storage pattern. It suggests optimal routes on a real time basis, which improves performance as well as safety.
4. **Improve Drivers' Productivity:** By making forklift operators aware of their driving pattern, indicating strengths, weaknesses, peak & low performance hours, it's possible to give individual feedback and training sessions.

The Smart Move solution from Addverb comes as a power pack with all the above features. It is also capable of providing insights at a deeper level like the impact of driver's fatigue level on the productivity, easy integration with any WMS, preventive maintenance module, Forklift Battery Management system and many more, all of which helps in improving the performance of the drivers, easy supervising for managers, and ultimately to realize the best operational efficiency in safe environment.

To know more about **SmartMove** solution, drop a note here, we would love to hear from you!!

