



## The Warehouse Productivity Problem Defined

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Most warehouse operations managers are painfully aware of the high costs and productivity killers in their fork truck fleet operations. Warehouse profits are tied up in the high costs of:

- Drivers weighted compensation and low productivity (i.e.: the high cost per move operation )
- Constant damage to equipment, facilities, and product
- Spiraling compliance, training, record keeping and maintenance costs
- Lease and capital purchase costs for trucks, accessories, batteries, chargers, etc.
- Fuel and energy
- Recruiting, retaining, and hiring
- High insurance costs, medical expenses, lost work time, and legal liability costs from fork truck-related injuries
- What about the cost of mistakes??- Inventory errors, missed shipments, inventory write-offs, disruptions, search parties, physical inventories, etc.



In today's warehouse environments, operations managers lack the technology to directly attack the causes of low efficiency and low productivity (visibility, minimal accountability, inadequate performance and operational data, and lack of automatic data collection).

**Low Visibility** - Managers responsible for fleet operations have little real time knowledge about where their assets are and what they are doing. When a truck and driver disappears down an aisle or into the back of the warehouse, the manager has no knowledge of what they are doing, what is happening, or even when he will see them again. This lack of visibility leads directly to the next problem.

**Low Accountability** - fork truck operations are the last "cowboy" operations in the supply chain. Drivers are on their own for most of the day, out of sight, making spot decisions, and out of direct control. Most of the time managers do not even know where their assets are and what they are doing. To make it worse the manager has little reliable data to understand the productivity issues and to improve resource utilization and productivity, beyond broad metrics, personal observations, and anecdotes.

**Inadequate Performance Data** - Managers cannot manage or improve what they cannot measure. Indoor logistics managers have almost no objective data to use for productivity analysis, driver training and management, fleet utilization, predictive maintenance, or identification of abusive and dangerous practices.

**Lack of Automatic Data Collection** - To be trustworthy and accurate, data needs to be collected automatically without any effort or input required from drivers. Data collected by clipboard or even bar code scanners, is often riddled with errors or not completed at all. To

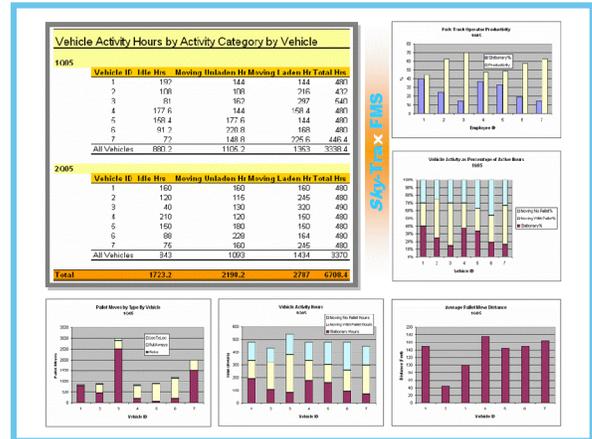
make matters worse, data collection tasks rob drivers of time that could be used to perform the primary job of moving materials.

## Warehouse Productivity Considerations

Sky-Trax Inc. develops software solutions designed to address all of the costs associated with low efficiency and low productivity. These costs represent a form of untapped profit that managers can free up for higher revenues, and competitive advantage.

Imagine the difference - Having complete real time visibility from any computer to see where each asset is and what it is doing. In addition, complete tracking and reliable audit data of what each truck has done, where it has been, what its utility is, -- all collected automatically and presented in standard reports for analysis and optimization of operations. Finally, operations and indoor logistics managers have the data and tools they need to capitalize on the hidden profit within warehouse facilities.

Regain control and manage your fleet operations to expose the profit in your warehouse through:



- Fewer trucks
- Fewer driver hours
- Lower damage and maintenance costs
- Fewer mistakes
- Fewer accidents
- More productive moves per hour (lower cost per pallet move)
- Higher storage density strategies for better space utilization
- Reduce capital expenses by 10% or more by right sizing your fleet and improved management of your assets.
- Improve productivity or decrease operational costs by 30% or more with real time in-accurate tracking of assets and materials.

[Sky-Trax IPS](#), bridges the information gap by providing the warehouse manager with hard data previously unavailable, such as:

Historical forklift utilization reports

- Event capture and replay
- Real-time forklift location
- Current inventory location

With this additional data, the warehouse manager is able to more effectively match inventory needs with inventory assets, which will increase productivity and warehouse profitability.

## The Sky-Trax Solution

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Sky-Trax solutions, such as [Sky-Marx Overhead Labeling System](#) and [Sky-Trax Indoor Positioning System](#), enable warehouse managers to improve warehouse productivity by removing elements that are some of the leading causes of inaccurate inventory; like damaged floor labels, poor inventory controls, or inconsistent inventory reporting.



(Damaged floor label)

Sky-Trax solutions solve these problems by removing these obstacles before they can create bad data:

- Incorrect pallet location
- Did not scan the pallet at all
- Inaccurate reporting

As a result, Sky-Trax is able to ensure that pallet locations are properly scanned when an inventory action is taken; a pallet is picked or placed.

In addition, since Sky-Trax is able to determine pallet and forklift locations within one-inch, warehouse managers are able to more efficiently route jobs to the proper forklift operators, thereby increasing productivity along with inventory accuracy.

## Contact Us

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To learn more about how Sky-Trax solutions can help you improve warehouse productivity inventory accuracy within your warehouse environment, please contact us at:

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