



Seven Keys to Maximizing ROI With Shunting

Discover how optimizing your yard operations through effective shunting can lead to significant cost savings and efficiency gains.



1 Lower Fuel Costs with Advanced Shunting Technology

OPTIMIZE PATHS:

Implement optimal paths to minimize idle time and fuel consumption within the yard.

ADOPT ELECTRIFICATION:

Transition to electric shunt trucks to save approximately **225 gallons of diesel per week per truck** and **reduce CO₂ emissions by 2.3 metric tons weekly**. Electric shunting vehicles can reduce operational costs by **up to 30%**.

INSIGHT:

Implementing purpose-built shunt vehicles can lead to **significant fuel savings and a reduced carbon footprint**.



2 Increase Yard Moves Per Hour

STREAMLINE WORKFLOWS:

Enhance operational efficiency to **boost shunter productivity by 30%** as demonstrated by leading grocer.

INSIGHT:

Optimizing shunting operations enhances yard efficiency, leading to more moves per hour. Within 90 days of optimization, a leading grocer **decreased the scheduled hours of shunt support by 15%**.



3 Reduce Trailer Dwell Time with Real-Time Insights

REAL-TIME MONITORING:

Implement tracking tools to decrease trailer dwell times, mitigating industry costs that can reach up to \$3 billion annually.

DATA ANALYSIS:

Identify bottlenecks and optimize processes to enhance yard throughput.

INSIGHT:

Real-time tracking **minimizes trailer idle times, improving supply chain flow**. Excessive trailer dwell time can cost the trucking industry up to \$3 billion annually.



4 Enhance Safety and Mitigate Personnel Risks

STANDARDIZE PROTOCOLS:

Establish consistent safety procedures to minimize incidents.

CONTINUOUS TRAINING:

Invest in regular driver education to promote a culture of safety.

INSIGHT:

Implementing safety observation systems **can improve operational safety** in shunting operations. Safety observation systems have been introduced to improve safety outcomes in shunting operations.



5 Lower Maintenance Costs with Specialized Equipment

USE SPECIALIZED EQUIPMENT:

Deploy purpose-built shunt trucks designed for durability and efficiency.

OUTSOURCE MAINTENANCE:

Partner with experts to handle upkeep, eliminating the need for in-house service technicians and associated expenses.

INSIGHT:

Purpose-built shunting equipment **reduces wear and tear, leading to lower maintenance expenses**. More than 40% of shunting operations involve truck downtime with the engine running, leading to unnecessary fuel consumption and wear.



6 Improve Uptime with Predictive Maintenance

MONITOR EQUIPMENT HEALTH:

Use predictive analytics to foresee and prevent breakdowns in order to address maintenance needs before they lead to costly downtime.

INSIGHT:

Predictive maintenance strategies prevent breakdowns, ensuring continuous operations. Implementing predictive maintenance can significantly **reduce unplanned downtime**, which can cost manufacturers up to \$260,000 per hour.



7 Make Data-Driven Decisions with Key Performance Indicators (KPIs)

TRACK KEY METRICS:

Focus on indicators like trailer dwell time, fuel usage, and yard moves per hour. Use data insights to refine operations and drive ROI.

INSIGHT:

Monitoring KPIs like fuel usage and yard moves per hour informs strategic decisions. Companies leveraging data analytics in operations can achieve up to a **+25% increase in productivity**.