

CASE STUDY

DuPont Boosts Supply Chain Performance and Reduces Costs with PSA BDP's Managed Drayage Solution



Customized Managed Drayage Transportation Solution for North American Port & Rail Operations

Customer Benefits

- Cost Savings
- On-Time Performance
- Enhanced Visibility and Analytics
- Operational Efficiency
- Risk Mitigation

The Challenge

In today's rapidly evolving supply chain landscape, companies like DuPont face increasing pressure to reduce costs, improve efficiency, and maintain seamless logistics operations.

For over 4 decades, PSA BDP has been a trusted partner in managing DuPont's supply chain, providing a comprehensive suite of services and solutions, including freight forwarding, customs brokerage, trade management, transportation and order handling. This longstanding collaboration between PSA BDP and DuPont led to exploring and identifying opportunities to further optimize DuPont's drayage operations in North America.

Optimization opportunities included:

- Reducing detention and demurrage charges
- Improving shipment visibility, reliability, and inventory planning
- Streamlining scheduling and coordination to minimize delays and additional costs
- Enhancing compliance framework to enable smoother operations
- Securing drayage capacity during peak periods to reduce delays and costs

The Solution

With a clear understanding of DuPont's specific business needs, PSA BDP designed a customized, managed drayage transportation solution, focused on import and export container moves to and from ports and rail ramps to enhance supply chain efficiency across North America. This solution focuses on optimizing import and export drayage operations while improving visibility, cost control, and overall logistics performance.

Key components of the solution:

- **Procurement:** a data-driven procurement approach leveraging market assessments, standardized rate and contract management, brokerage support, strategic sourcing, and savings tracking.
- **Managed Transportation Management System (TMS):** a TMS solution that streamlines transportation planning by managing routings, contract and rates, providing real-time visibility, optimizing shipments, and generating performance data.
- **Shipment Execution:** a fully integrated execution framework providing operational excellence from order to delivery through drayage carrier selection, tailored short-haul container movement planning, supplier management, in-transit monitoring, and shipment optimization.





- **Business Intelligence:** a cutting-edge analytics platform focused on drayage operations, delivering real-time container milestone tracking, port and rail event visibility, automated reporting, and expert consultation. This enables proactive exception management, accessorial cost analysis (e.g., detention and demurrage), and data-driven continuous improvement initiatives.

Delivering Measureable Benefits for DuPont

PSA BDP's solution has delivered tangible, data-driven results, reinforcing DuPont's supply chain resilience:

- **Cost Savings:** From Q1 to Q3 of 2024, PSA BDP's strategic cost management and efficiency enhancements generated \$220,000 in savings across seven sites.
- **On-Time Performance:** DuPont achieved 100% on-time pickup for import containers, near 100% on-time export deliveries, and a 90% on-time rate for empty container returns.
- **Enhanced Visibility and Analytics:** With real-time reporting, milestone tracking, and seamless EDI/API integrations, DuPont improved decision-making, operational visibility, and agility.
- **Operational Efficiency:** Streamlined container scheduling and centralized communication reduced delays and improved coordination between drayage carriers, drivers, and site stakeholders. Focused specifically on import and export drayage, PSA BDP's specialized operations team provided proactive issue resolution, milestone tracking, and strategic support to ensure timely and efficient container movements to and from ports and rail ramps.
- **Risk Mitigation:** PSA BDP ensured regulatory compliance, rigorous safety measures, proper insurance coverage, and contract management, minimizing operational risks for DuPont.

The collaboration with PSA BDP not only helped DuPont streamline its North American import and export drayage operations but also provided scalability, flexibility, and proactive support for long-term success. This enhanced logistics strategy has unlocked new opportunities for growth, allowing DuPont to better serve its end customers while adapting to evolving industry demands.

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