QMASTOR Horizon
The Supply Chain Optimization Solution

PLANNING / SCHEDULING / OPTIMIZATION
QMASTOR Horizon Overview

THE ONLY ADVANCED PLANNING & SCHEDULING SOLUTION FOR MINES, PLANTS & BULK TERMINALS

Bulk commodity supply chains are complex — they involve multiple mines, stockpiles, transport legs/modes, ports, and processes. Efficient planning and scheduling that integrates all aspects of the supply chain is critical to maximizing throughput and ensuring a healthy bottom line.

QMASTOR Horizon™ delivers advanced planning and scheduling (APS) capabilities that enable complex supply chains to be modeled, planned, and scheduled simply and efficiently. The only APS solution for mines, plants, and bulk terminals, Horizon increases productivity and saves time and money by optimizing materials and resources. With Horizon, companies can proactively identify and fix potential supply chain bottlenecks before they become costly problems.

Horizon can be configured to represent a variety of processes in your supply chain for true end-to-end planning and scheduling, from the pit through to port management and customer delivery.

Key Business Benefits

- Save time and money by optimizing materials and resources
- Prevent capacity, inventory, equipment, and logistical issues
- Achieve on-specification deliveries through grade optimization
- Increase overall operational productivity
- Predict material qualities with higher accuracy
- Provide one system for planning and scheduling data enterprise-wide

Comprehensive, State-of-the-Art Scheduling

At the core of Horizon’s sophisticated scheduling capabilities is a real-time, heuristics-based solver that leverages advanced technology to rapidly generate plans and schedules. Horizon provides full support for manual schedule construction, automated schedule construction, or combinations of both.

Automated schedule generation is driven by user-specified key performance indicators (KPIs). Scoring techniques based on a weighted combination of KPIs enables schedule construction that delivers desired business outcomes. Numerous time and planning options enable the generation of short, medium, and long-term schedules, all in one system.

To facilitate consistent and valid scheduling, Horizon provides automated constraint- and preference-checking. Constraints and preferences may be modified on-the-fly in response to changing business conditions.

QMASTOR Horizon enables complex coal and mineral supply chains to be modeled, planned, and optimized simply and efficiently.
Intuitive, Graphical Interface

Horizon’s intuitive, graphical interface enables users to easily grasp relationships between supply chain elements. Rich images representing tasks, resources, assignments, constraint violations, and critical indicators ensure that the business has a clear, high-level view of current and proposed plans and schedules. Business rules are also represented visually, enabling them to be easily understood and verified by non-technical staff. A highly interactive and intuitive “workbench” makes it easy to manipulate, delete, and create schedule and plan elements.

Flexible and Modular

Horizon employs a highly configurable, modular design for maximum flexibility. Available modules include:

- Shipping/voyages/vessel loading/berth scheduling
- Stockyard/inventory management
- Task and equipment optimization
- Transportation management
- Process plant scheduling
- Resource scheduling
- Capacity planning
- Maintenance/outage planning

“By applying this leading edge technology, the mining industry gains a competitive advantage through improved mining practices, reduced costs, and increased productivity.”

— ABARE eReport “Mining Technology Services”
ABOUT TRIPLE POINT TECHNOLOGY, INC.

Triple Point Technology® is the leading global provider of cloud and on-premise Commodity Management software that delivers advanced analytics to optimize end-to-end commodity and energy value chains. The company provides real-time, innovative solutions to competitively address the complex and volatile commodities supply chain: buying, selling, trading, and procurement; enterprise risk management; scheduling and logistics; storage; processing; and settlement and accounting.

Triple Point’s Commodity Management platform enables over 400 customers in 35+ countries to profitably manage exposure to energy and raw materials across industries, including energy, metals, minerals, agriculture, transportation, shipping, consumer products (CP), industrial manufacturers, and big box retailers. Triple Point was named a “Leader” in Gartner’s ETRM Magic Quadrant for its completeness of vision and ability to execute in 2009, 2010, 2011, and 2012. Founded in 1993, the company employs over 800 staff in 14 offices and support centers around the globe. www.tpt.com.

How to Get Started

To learn how Triple Point’s QMASTOR mining supply chain solutions can benefit your organization, please contact us at info@tpt.com.

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