Logistics: WSX

SMARTER WOOD LOGISTICS

CFLogistics: WSX is a domain specific forestry logistics tool that is focused on the planning and execution of the woodflow process for the forest industry. WSX solution is also available as a full *Central Dispatch Management Service* (CDMS).

Trimble Forestry has over 20 years of effort focused in providing our dispatch services, which is underpinned by the WSX system.

Development of this system and service has been driven by our customers who are immersed in the forestry supply chain challenge. It has been specifically designed to **maximise log haulage productivity** and to support all the stakeholders involved in the process of planning woodflow, harvesting, loading, transport and delivery of logs.

Distribution management systems in most other industries do not incorporate production and inventory monitoring, which is critical in forestry because the visibility and reliability of supply is usually a major challenge. The forestry operating environment is typified by remote sites, rugged conditions and a production process than can be highly uncertain. WSX is uniquely proven at providing the **visibility required to manage log supply and distribution in the forestry environment**.

Key Benefits

▶ **Visibility** - Real-time visibility of the supply chain allowing for informed and timely stakeholder decisions

▶ **Control** - Management tools that allow for more effective control of the overall process and each component of the supply chain

▶ **Maximized Value** - Eliminate or minimize elements of the process that lead to suboptimal value recovery

▶ **Streamlined Data Management** - Minimize overhead in managing data during log supply process, including paperless E-ticket

▶ **Forest Industry Specific** - A partner with domain focus and commitment to R&D, aligned with strategic objectives for operational excellence

▶ **Proven Technology** - WSX has been meeting the needs of the forestry sector for more than 20 years, processing over 25 million tons annually.

WSX allows

▶ Dispatch operations to optimise transport fleet utilisation to minimize the cost of delivering logs to customers, within set and variable operating constraints

▶ Inventory status to be tracked from harvesting to customer

▶ Customer delivery requirements to be achieved and tracked in real time

▶ Truck journey creation with association of one or many uplifts, each uplift constitutes a docket

▶ Generation of electronic dockets to streamline administration

▶ Sharing of electronic data across systems

▶ Operates over the Web, enabling ready, controlled, access to everyone involved in the log supply process

Land   Forest   Fibre   Mill

Trimble

CFLogistics: WSX - WOOD SUPPLY EXECUTION

The WSX platform provides the level of visibility and control required to identify and drive performance improvements through the wood supply business, now and into the future. Implementing WSX enables our customers to benefit from our forestry specific Woodflow solution and provides significant value across all aspects of the Supply Chain.

"CFLogistics: WSX supports Hancock distribution objectives to responsively control fibre supply operations through improved haulage productivity and supply chain planning and execution. Moving forward the ability to manage transport cost and monitor compliance has been recognised as part of our competitive advantage within the market we operate, and improve the value of the underlying forest asset."

Chris Bailey, Distribution Manager
Hancock Forest Management (NZ) Ltd

Key Features

WSX delivers real-time supply chain visibility and provides key functional and reporting features to underpin the industry's ability to plan, control, and manage its operations, including;

Control uplift and delivery options by Contractor &/or Operation

▶ Control the movement of products for maximized value
▶ Timber security
▶ Track and manage delivery patterns with greater accuracy
▶ Online production estimates with input from harvest contractors, production and woodflow staff.
▶ Pre-notification of truck arrivals at delivery points for efficient turnaround and accurate docket/ticket management

Comprehensive web reporting platform to provide real-time visibility of operating metrics (plan v actual), to contractors and stakeholders.

▶ Log production and inventory
▶ Uplift and delivery reports
▶ Truck activity and metrics
▶ Electronic docket/ticket list by source/contractor/customer/scale
▶ Available on smartphones

WSX Mobile application for truck driver and/or loader operator on in-cab device

▶ Generate electronic load delivery dockets/tickets
▶ Control available data records and delivery options on the device
▶ Record health & safety or downtime events on device

Integrated In-cab Technology System (ICTS)

▶ Fully featured voiceless and GPS tracking solution
▶ Live tracking and geofence status recording by location
▶ Driver management and non-compliance reporting (NCR)
▶ Dashboard reporting for productivity performance and OH&S compliance
▶ Functionality options to future proof Chain of Responsibility requirements

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TRANSFORMING THE WAY THE WORLD WORKS

◈ **Trimble**