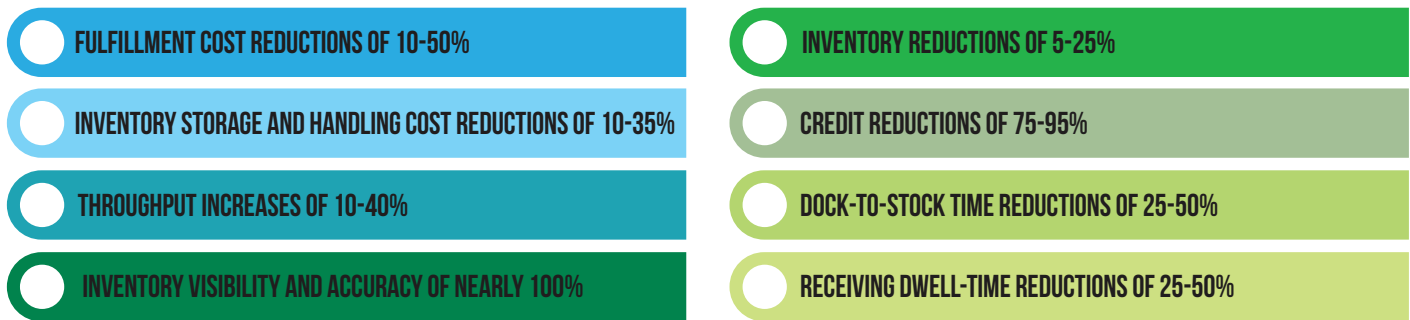


BLUEYONDER WAREHOUSE MANAGEMENT

PART OF BLUEYONDER'S INTELLIGENT FULFILLMENT™ SOLUTION, BLUEYONDER WAREHOUSE MANAGEMENT IS A COMPREHENSIVE, REAL-TIME WAREHOUSE AND DISTRIBUTION CENTER MANAGEMENT SYSTEM THAT SKILLFULLY HANDLES REAL-WORLD DISRUPTIONS TO HELP DRIVE IMPROVED PERFORMANCE AND COMPETITIVE EDGE. BLUEYONDER WAREHOUSE MANAGEMENT HELPS MANUFACTURERS, RETAILERS, DISTRIBUTORS AND THIRD-PARTY LOGISTICS PROVIDERS THRIVE IN AN EVER-CHANGING AND HYPER-CONNECTED OMNI-CHANNEL WORLD BY PROVIDING THE POWER TO QUICKLY ADAPT TO CHANGE AND OPTIMIZE AND EXECUTE THE TASKS TO GET THE RIGHT INVENTORY, AT THE RIGHT LOCATION, AT THE RIGHT TIME. USERS ARE EMPOWERED WITH MORE FLEXIBILITY, REAL-TIME RESPONSIVENESS AND THE ABILITY TO EASILY MANAGE COMPLEX WAREHOUSE OPERATIONS.

BLUEYONDER WAREHOUSE MANAGEMENT CUSTOMERS HAVE ACHIEVED SUBSTANTIAL ROI:



BLUEYONDER WAREHOUSE MANAGEMENT FEATURES:

BLUEYONDER'S WAREHOUSE MANAGEMENT TECHNOLOGY AND SERVICES PROVIDE A COMPREHENSIVE, MOBILE-READY SOLUTION FOR DISTRIBUTION AND INVENTORY MANAGEMENT COVERING:



LABOR MANAGEMENT

LABOR REPRESENTS 50-75 PERCENT OF NON-INVENTORY COSTS IN MOST DISTRIBUTION CENTERS, SO OPTIMIZING EACH AND EVERY TASK IS CRITICAL TO ACHIEVING AGILE, EFFICIENT AND LEAN OPERATIONS. THIS REQUIRES CONSISTENCY AND CONTROL OVER WHAT TASKS ARE ASSIGNED AND HOW THEY ARE CARRIED OUT. LABOR VISIBILITY IS NOW INTEGRATED WITHIN BLUEYONDER WAREHOUSE MANAGEMENT. YOU CAN GRAB A QUICK WORKFORCE VIEW TO SEE WHETHER WORKERS ARE GOING TO COMPLETE THEIR TASKS IN TIME OR IF YOU HAVE TO ADJUST WAVES OR TASKS WITH THE LABOR AVAILABLE IN THE WAREHOUSE. BLUEYONDER IS A LONG-TIME LEADER IN LABOR AND WORKFORCE MANAGEMENT, TRANSFORMING YOUR WORKPLACE INTO A SELF-ACCOUNTABLE, PERFORMANCE-FOCUSED CULTURE. THIS TRANSFORMATION IS ACCOMPLISHED THROUGH A PROVEN, STEP-BY-STEP METHODOLOGY THAT INCORPORATES CULTURE-ALTERING CHANGE MANAGEMENT AND STRATEGIC PROJECT MANAGEMENT PROGRAMS.

THE TRANSFORMED BUSINESS IS ENABLED BY TECHNOLOGY FOR:

WORKFORCE PLANNING AND SCHEDULING TO ENSURE JUST THE RIGHT NUMBER OF WORKERS WITH THE RIGHT SKILLS ARE AVAILABLE EXACTLY WHEN NEEDED TO FULFILL ORDER DEMAND. SCHEDULE OPTIMIZATION THE ABILITY TO QUICKLY ASSIGN AND REASSIGN WORKERS TO PRIORITY WORK AREAS AND FUNCTIONS BASED ON ORDER FLOWS, DEADLINES, SKILLS AND COST CONSIDERATIONS. TASK OPTIMIZATION MAKING SURE ALL TASKS ARE ASSIGNED AND EXECUTED IN THE PROPER SEQUENCE WHILE BALANCING WORKFLOWS AND ORDER PRIORITIES TO MAXIMIZE EFFICIENCY AND QUALITY OF SERVICE. COMPLIANCE AND MEASUREMENT MEASURING PERFORMANCE AND ENSURING COMPLIANCE WITH REGULATIONS AND WORK RULES IS CENTRAL TO WORKFORCE MANAGEMENT. THIS INCLUDES TRACKING INDIRECT TIME, ATTENDANCE, QUALITY AND SAFETY, AS WELL AS CALCULATING INCENTIVE REWARDS.

INBOUND OPERATIONS

ONCE YOU HAVE VISIBILITY INTO INBOUND SHIPMENTS, THERE ARE MANY TASKS THAT SHOULD BE OPTIMIZED TO STREAMLINE INBOUND OPERATIONS. JDA'S WAREHOUSE MANAGEMENT SOLUTION PROVIDES OPTIMIZATION CAPABILITIES.

APPOINTMENT SCHEDULING

INTERACTIVE, USER - FRIENDLY GRAPHICAL DOCK CALENDAR FOR:

- INBOUND AND OUTBOUND APPOINTMENT SCHEDULING
- STANDING APPOINTMENT MANAGEMENT
- EXCEPTION MANAGEMENT
- SUPPLIER AND CARRIER COMPLIANCE
- ASN, PO AND PACK LIST MANAGEMENT
- RECEIVING DOCUMENTATION, INCLUDING GLOBAL TRADE MANAGEMENT
- INTEGRATION OF DOCK SCHEDULING WITH BLUEYONDER TRANSPORTATION MANAGEMENT SYSTEM

YARD AND DOCK MANAGEMENT

CHECK-IN TO CHECK-OUT MANAGEMENT OF YARD EQUIPMENT, INVENTORY MOVEMENTS, DOCK DOORS AND PERSONNEL, INCLUDING:

- GATE CHECK-IN AND CHECK-OUT
- YARD AND DOCK LOCATION ASSIGNMENTS
- INVENTORY AND HANDLING UNIT
- SYSTEM-DIRECTED MOVEMENTS VIA WIRELESS DEVICES
- OPTIMAL DOOR SELECTION
- YARD AUDITS

CROSS - DOCKING

HOT RECEIPT FUNCTIONALITY TO PRIORITIZE INBOUND INVENTORY WITH OUTBOUND ORDERS, REDUCING HANDLING, STORAGE AND COSTS WHILE IMPROVING SERVICE:

- REAL-TIME DEMAND ASSESSMENT AND PRIORITIZATION
- OPPORTUNISTIC AND PLANNED TO PROVIDE FLEXIBILITY ON HOW INVENTORY IS ROUTED FROM INBOUND THROUGH TO OUTBOUND
- INTEGRATION OF DOCK SCHEDULING WITH BLUEYONDER TRANSPORTATION MANAGEMENT SYSTEM

RECEIVING AND PUTAWAY

OPTIMIZED RECEIPT AND STOWAGE, INCLUDING:

- RECEIPT CHECK-IN BY PAPER OR RF DEVICE
- DETAILED SKU ATTRIBUTE CAPTURE AND VERIFICATION
- CART/CONTAINER OPTIMIZATION
- SYSTEM-DIRECTED PUTAWAY BASED ON CUBE, WEIGHT, DIMENSIONS, NESTING AND STACKING, COMMONALITY, LOCATION AVAILABILITY, ZONING AND PRODUCT DEMAND
- OPERATOR-MANAGED OVERRIDES AND EXCEPTIONS
- OPTIMIZED TASK INTERLEAVING

RETAIL STORE – FLOW THROUGH PROCESSING

INBOUND PROCESSING FOR RETAIL DISTRIBUTION, INCLUDING:

- STORE-READY DISTRIBUTIONS
- PUT-TO-STORE
- MERGE-IN-TRANSIT

INBOUND SERVICES

SYSTEM-DIRECTED WORK ASSIGNMENTS FOR:

- SUPPLIER/CARRIER COMPLIANCE STATISTICAL SAMPLING
- QA WORKFLOW CONTROL

REVERSE LOGISTICS / RETURNS PROCESSING

BLUEYONDER PROVIDES RETURNS MANAGEMENT FOR OMNI-CHANNEL ORDERS TO ENSURE THAT PROPER IDENTIFICATION AND DISPOSITION OF INVENTORY IS POSSIBLE TO GET MERCHANDISE BACK INTO THE SUPPLY CHAIN AND AVAILABLE FOR ORDER MANAGEMENT QUICKLY.

WE PROVIDE SYSTEM DIRECTED WORK ASSIGNMENTS FOR:

- EVALUATION AND BREAKDOWN
- DISASSEMBL /DE-KITTING
- CLEAN/REWORK/REPACKAGE
- PUTAWAY OR RETURN TO VENDOR
- DISPOSE OR DESTROY
- E-COMMERCE RETURNS

INVENTORY MANAGEMENT

EFFECTIVE INVENTORY MANAGEMENT REQUIRES VISIBILITY AND CONTROL FROM SUPPLIERS' PRODUCTION ALL THE WAY THROUGH TO THE END USER. BLUEYONDER PROVIDES THIS REAL-TIME VISIBILITY AND CONTROL TO OPTIMIZE THE TRACKING, MOVEMENT, HANDLING, STORAGE, AND IF NECESSARY, RECALL OF ALL TYPES OF RAW MATERIALS, WORK-IN-PROCESS AND FINISHED GOODS INVENTORY. KEY FUNCTIONS INCLUDE:

SUPPLIER COLLABORATION

VISIBILITY INTO SUPPLIER PRODUCTION, PACKAGING, QA PROCESSING AND SHIPMENTS, WITH EXCEPTION MANAGEMENT.

ASSET MANAGEMENT

BLUEYONDER PROVIDES THE ABILITY TO DEFINE AND TRACK ASSETS, SUCH AS RETURNABLE CONTAINERS, CARTS AND PALLETS FOR THE PURPOSE OF HANDLING AND VISIBILITY. THESE ASSETS CAN BE WITHIN A FACILITY, ACROSS A CAMPUS OR AROUND THE GLOBE.

SLOTting

IMPROVES PRODUCTIVITY BY SYNCHRONIZING PRODUCT PLACEMENT TO ORDER DEMAND. KEY FEATURES INCLUDE:

- BALANCES PICK VELOCITY WITH TRAVEL DISTANCES, ERGONOMICS AND EQUIPMENT CONSTRAINTS FOR OPTIMAL WORKLOAD EFFICIENCY AND SAFETY
- INTEGRATES WITH REPLENISHMENT ACTIVITIES TO DYNAMICALLY RE-SLOT, MINIMIZING DISRUPTION AND COST

REPLENISHMENT

SUPPORTS MULTIPLE STRATEGIES TO TAILOR REPLENISHMENT TO PRODUCT, LOCATION, ENVIRONMENT AND SLOTTING NEEDS.

REPLENISHMENT CAN BE TRIGGERED BY:

- QUANTITY OR TOP-OFF
- ON-DEMAND/EMERGENCY
- SLOTTING OR OTHER FULFILLMENT PLANS

INVENTORY CONTROL

TRACKS INVENTORY BASED ON MANY SKU AND USER-DEFINABLE ATTRIBUTES, INCLUDING:

- LOT NUMBER/EXPIRATION DATES, WITH VARIABLE AGING
- CATCH-WEIGHTS AND VOLUMES
- NESTED SERIAL NUMBERS
- COUNTRY OF ORIGIN
- TEMPERATURE-CONTROLLED REQUIREMENTS
- NESTING AND STACKING LIMITATIONS

SPECIAL HANDLING

ENFORCES RULES FOR HANDLING, STORAGE AND TRACKING OF SKUS THAT REQUIRE ENVIRONMENTAL OR HAZMAT SEGREGATION, PROCEDURES AND CERTIFICATIONS.

CYCLE COUNTING

SYSTEM-DIRECTED WORK PROVIDES 99+ PERCENT ACCURACY, VIRTUALLY ELIMINATING THE NEED FOR TRADITIONAL CYCLE COUNTING. HOWEVER, MULTIPLE CYCLE COUNTING PROCEDURES ARE SUPPORTED, INTERLEAVED WITH DAILY ACTIVITIES.

WORK ORDER PROCESSING

A LOT MORE GOES ON IN DISTRIBUTION CENTERS TODAY THAN SIMPLE PICK, PACK AND SHIP. THROUGH POSTPONEMENT STRATEGIES, CUSTOMER SERVICE REQUIREMENTS AND STORE-READY PROCESSING, DCS ARE BECOMING LIMITED PRODUCTION CENTERS, REQUIRING SKILLS, EQUIPMENT, WORK ORDERS AND MANAGEMENT PRACTICES NOT SEEN IN TRADITIONAL WAREHOUSES. WORK ORDER PROCESSING IN THESE DCS CAN BE MORE AKIN TO MANUFACTURING PROCESSES THAN TRADITIONAL DISTRIBUTION FUNCTIONS. JDA'S WORK ORDER PROCESSING SOLUTION ASSIGNS, SEQUENCES AND DIRECTS TASKS TO ENSURE TIMELY, CONSISTENT AND ACCURATE COMPLETION OF WORK ORDER PRODUCTION. IN MANY WAYS IT CAN BE THOUGHT OF AS A MANUFACTURING EXECUTION SYSTEM FOR THE DC.

BLUEYONDER WORK ORDER PROCESSING IS HIGHLY CONFIGURABLE, PROVIDING THE FLEXIBILITY YOU NEED TO TAILOR PROCESSING TO YOUR INITIAL NEEDS, AS WELL AS TO EVER-CHANGING FUTURE REQUIREMENTS. SYSTEM-DIRECTED WORK ENSURES EFFICIENCY AND THROUGHPUT EVEN WITHIN THE CHAOS OF MULTIPLE, CHANGING CUSTOMER REQUIREMENTS- PUTTING YOU IN CONTROL.

BLUEYONDER WORK ORDER PROCESSING FUNCTIONALITY INCLUDES:

- WORK ORDER ASSIGNMENT, SEQUENCING AND EXECUTION
- RAW MATERIAL CONTROL, INCLUDING BACKFLUSHING
- MULTI-LEVEL BILLS OF MATERIAL
- POSTPONEMENT STRATEGIES
- VALUE-ADDED SERVICES
- WORK CELL PLANNING AND SCHEDULING
- LIGHT MANUFACTURING / ASSEMBLY
- KITTING / DE-KITTING
- STORE-READY CONTAINERS / PALLETS
- COMPONENT-LEVEL TRACKING OF ATTRIBUTES SUCH AS LOT AND SERIAL NUMBERS

OUT BOUND OPERATIONS

FROM PRE-PACK TO PROOF OF DELIVERY, BLUEYONDER OPTIMIZES EVERY STEP OF OUTBOUND OPERATIONS TO ENSURE ACCURACY, TIMELINESS, EFFICIENCY, COMPLIANCE AND OPTIMAL CUSTOMER SERVICE. THE BREADTH OF CAPABILITIES INCLUDE:

TASK MANAGEMENT AND INTERLEAVING

BLUEYONDER'S UNIQUE WLM MAPPING OF FACILITIES ENABLES THE MOST EFFICIENT TASK ASSIGNMENTS FOR ALL WORK, WITH INTEGRATED VOICE OR RF-DIRECTED INTERLEAVING OF TASKS. TASKS ARE ASSIGNED AND INTERLEAVED BASED ON PROXIMITY, PRIORITY AND PERMISSIONS TO MAXIMIZE EFFICIENCY AND SERVICE WHILE ENSURING SAFETY AND ADHERENCE TO WORK RULES AND CERTIFICATION REQUIREMENTS.

MULTIPLE PICK METHODS

A VIRTUALLY UNLIMITED NUMBER OF PICK METHODS CAN BE DEPLOYED SIMULTANEOUSLY. METHODS SUPPORTED OUT-OF-THE-BOX INCLUDE MULTIPLE VERSIONS OF: BATCH, WAVE, ZONE, AND CLUSTER PICKING SUPPORTING LIFO, FIFO, LEFO AND FEFO INVENTORY TURN STRATEGIES.

PACKING AND SHIPPING

SYSTEM-DIRECTED PACKING, CARTONIZATION, QA VERIFICATION, STAGING, AND PACK-AND-HOLD MANAGEMENT ENABLES ACCURATE, TIMELY, DAMAGE-FREE SHIPMENTS.

PARCEL MANIFESTING

PROVIDING COST-EFFECTIVE SMALL PACKAGE SHIPPING FOR THE OMNI-CHANNEL TO ENSURE DELIVERY OF CONSUMER PURCHASES IN A WAY THAT FULLY MEETS THEIR EXPECTATIONS FOR SPEED, CONSISTENCY AND PERSONALIZATION. JDA DELIVERS A GLOBAL, SEAMLESS AND HIGH-QUALITY CUSTOMER FULFILLMENT EXPERIENCE. BLUEYONDER PARCEL HELPS SHIPPERS IMPLEMENT A MULTI-CARRIER STRATEGY USING A COMBINATION OF GLOBAL, REGIONAL AND LOCAL CARRIER NETWORKS TO REDUCE COSTS AND DRIVE CUSTOMER SATISFACTION. INCLUDES IN-LINE PARCEL LABELING, FREIGHT AUDIT, PARCEL RETURNS AND MANIFESTING CAPABILITIES FOR MOST CARRIERS.

SHIPMENT DOCUMENTATION

THE SYSTEM PRODUCES ALL OUTBOUND SHIPMENT LABELING AND DOCUMENTATION, INCLUDING:

- CUSTOMER, RETAIL AND CARRIER COMPLIANT LABELING
- DOMESTIC AND INTERNATIONAL PARCEL E-MANIFESTING
- BONDED WAREHOUSE AND INTERNATIONAL TRADE LOGISTICS DOCUMENTATION

LOGISTICS BILLING

ACCURATELY TRACKS ALL LOGISTICS ACTIVITIES AND CALCULATES CHARGES OR COSTS, INCLUDING FREIGHT TARIFFS, FOR INVOICING AND ANALYSIS. THIS IS AN IMPORTANT COMPONENT OF ANY COST-TO-SERVE ANALYSIS

TRANSPORTATION MANAGEMENT

BLUEYONDER PROVIDES A SOPHISTICATED TRANSPORTATION PLANNING AND EXECUTION SOLUTION, WITH THE INDUSTRY'S ONLY REAL-TIME OPTIMIZATION ENGINE, TO REDUCE THE COST AND COMPLEXITY OF SHIPMENTS WHILE IMPROVING VISIBILITY AND CUSTOMER SERVICE.

INBOUND TRANSPORTATION MANAGEMENT

BLUEYONDER TRANSPORTATION MANAGEMENT SYSTEM HELPS PROVIDE REAL-TIME OPTIMIZATION OF:

- INBOUND SHIPMENT PLANNING AND SCHEDULING
- LOAD CONSOLIDATION AND ROUTING
- CARRIER SELECTION, TENDERING AND MANAGEMENT
- ROUND-TRIP COORDINATION WITH OUTBOUND SHIPMENTS

ARCHITECTURE

BLUEYONDER'S WMS PLATFORM STRATEGY IS BASED ON SEVERAL GUIDING PRINCIPLES. THEY MINIMIZE TOTAL COST OF OWNERSHIP AND HELP YOU BETTER SUPPORT YOUR BUSINESS AS IT CHANGES OVER TIME.

- ENSURE LONGEVITY. FLEXIBLE, SCALABLE AND UPGRADEABLE PLATFORM WITH A RECORD OF FUNCTIONS AND TECHNICAL EVOLUTION
- SUPPORT CONNECTIVITY AND COLLABORATION. EMBEDDED INTEROPERABILITY AND BUSINESS PROCESS ORCHESTRATION
- ENABLE EXTENSIBILITY. CUSTOMIZATION VIA CONFIGURATION TO MAKE IT YOUR SYSTEM
- PROMOTE USABILITY AND OWNERSHIP. PRESCRIPTIVE UI, MANAGEMENT TOOLS, TRAINING AND TRANSPARENCY

INTEGRATION

TO MEET THE CHALLENGE OF COMPATIBILITY WITH VIRTUALLY ANY SYSTEM, USING ANY TRANSPORT METHOD IN ANY FORMAT, BLUEYONDER BUILT ITS OWN SUPPLY CHAIN-FOCUSED ENTERPRISE APPLICATION INTEGRATION (EAI) TOOLSET. IT PROVIDES THE DATA CONNECTIVITY AND WORKFLOW TRANSPORT BETWEEN BLUEYONDER APPLICATIONS AND EXTERNAL CUSTOMER SYSTEMS USING THE TRANSPORT METHODS AND FORMATS CUSTOMERS PREFER. BY BUILDING OUR OWN EAI TOOLSET, WE ENSURED THAT IT COULD MEET ALL OF THE REQUIREMENTS OF THE SUPPLY CHAIN AND RETAIL OPERATIONS ENVIRONMENT WITHOUT ADDING THE COST AND COMPLEXITY OF THIRD-PARTY MIDDLE WARES. AND THE TOOLSET HAS ADVANCED DATA FLOW MONITORING AND DEBUGGING TOOLS THAT HAVE OFTEN BEEN USED TO DEBUG EXTERNAL SYSTEMS, SUCH AS SAP ERP SYSTEMS. BLUEYONDER'S EAI TOOLSET REDUCES THE TIME AND COST OF IMPLEMENTATION, ENSURES UPGRADE COMPATIBILITY IN BOTH DIRECTIONS-YOUR SYSTEMS AND OURS, AND PROVIDES THE SECURE INFORMATION AND WORK FLOW YOU NEED TO BETTER RUN YOUR BUSINESS.

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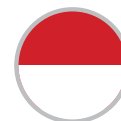
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