Creating A Smarter Connected Logistics World

EPG®
Smarter Connected Logistics™

LFS.
Warehouse Management by E+P

EPG LFS

Since 1987, EPG has successfully helped more than a thousand businesses make significant improvements across their entire supply chains. Our warehouse management system, Logistics-Focused Solution (LFS), is comprehensive supply chain execution software that leverages 30 years of global warehouse and logistics experience to increase performance in even the most complex supply chains. It can operate on any technology platform or in the cloud and is developed for easy configuration at the end-user level for unparalleled user-friendliness.

With LFS from EPG, you get the flexibility and freedom you need to create smarter logistics through optimized warehouse management, warehouse automation and transportation management.

Industry-Leading Functionality

LFS offers robust, Tier I functionality across more of the supply chain through its WMS, WCS, WES, Voice and TMS modules. No other supply chain execution solution can match the breadth of LFS, which has been successfully implemented by customers across the globe in both traditional warehouses and some of the most advanced automated environments in the world. It has the scalability to handle one billion picks per day in a single distribution center and has shown to improve space allocation by up to 30% with its dynamic slotting capability.

Efficiency = Cost Savings

LFS has been proven to reduce:

- Errors 40-70%

- Dock-to-stock time 25-50%

- Receiving dwell-time 25-50%

- Inventory storage and handling costs 10-35%

- Fulfillment costs 10-50%

A Smarter, More Flexible Solution

Smarter Logistics

LFS seamlessly connects distribution centers to the latest in supply chain technology, leveraging the IOT to improve performance. By connecting workers, machinery and logistics, our solution empowers businesses to make smarter logistics decisions.

A Solution That Works the Way You Do

Thanks to its unrivaled configurability, LFS can be tailored to work within your existing processes. We employ a consultative approach to understand all the requirements of your business and then use that insight to build upon the LFS core with modules that will deliver the highest overall warehouse efficiency. LFS is certified to integrate with most leading enterprise resource planning systems and all major technology platforms, so you can count on seamless assimilation with your current and future infrastructure, regardless of whether it is in the cloud or on premises.

Optimize Any Type of Distribution or Fulfillment Operation

- **E-commerce order fulfillment**
  - View real-time order status and inventory
  - Leverage automated equipment
  - Enable advanced picking technologies

- **Retail distribution**
  - Simplify replenishment with dynamic slotting
  - Optimize workloads with innovative order management
  - Make receiving and shipping easier with streamlined process flows

- **Route-based delivery**
  - Sequence orders for reverse truck loading automatically
  - Maximize shipping efficiency through automation
  - Unify labor, picking technologies and workflow

- **Cross-docking**
  - Ensure seamless product flow with automated decision-making
  - Provide timely store delivery through planned loading
  - Relieve dock congestion by capitalizing on opportunities

Real Results in Every Environment

Improvements Across the Entire Supply Chain

LFS creates measurable, bottom-line impact for companies through its comprehensive functionality and the industry best-practice expertise of the EPG team. LFS can enhance inventory visibility and accuracy by 100%, increase throughput by 10-40%, and improve order fulfillment pick rates by 35%. With LFS, you optimize every stage of your supply chain, helping you to execute flawlessly and significantly reduce logistics costs.

The Ideal Software for Automated Environments

LFS is optimized to work in automated storage and retrieval environments, increasing the performance of existing automation investments. It runs both fully and partially automated warehouses to maximize space and enhance resource utilization, which increases the lifespan and capacity of facilities and equipment.

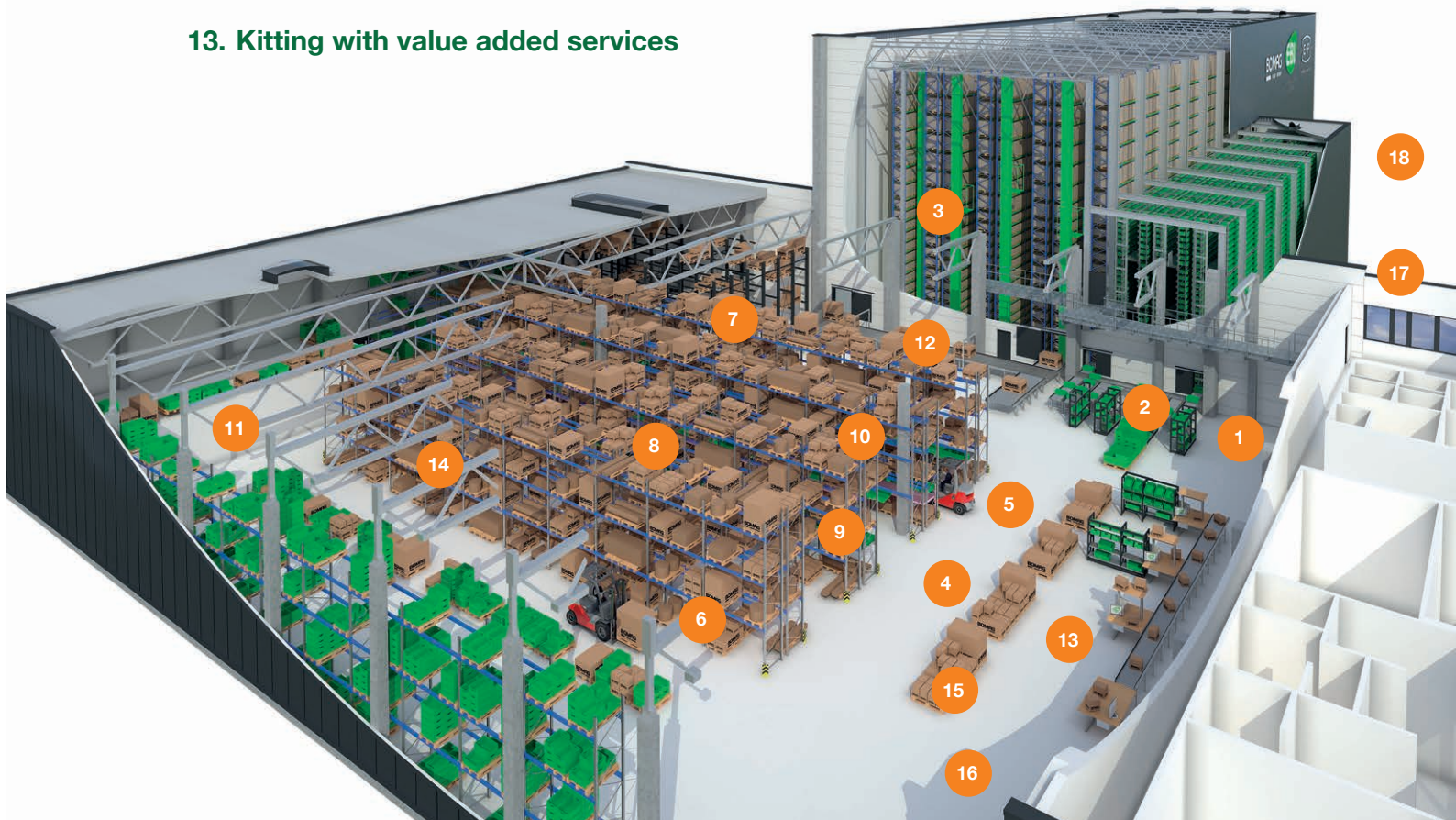## Hands-on Support During and After Implementation

- Comprehensive guidance is provided throughout the planning and implementation process
- Professional warehouse training courses and seminars ensure your staff is prepared to take control of the WMS
- Warehouse logistics experts can be reached 24/7 to answer your questions
- Flexible maintenance plans are available on demand

LFS Optimizes Every Component of Your Supply Chain

1. **Goods receiving area**
2. **Returns management**
3. **Automated High Bay Storage/Retrieval**
4. **Cross dock**
5. **Put-to-Store**
6. **Put-Away**
7. **Replenishment**
8. **Back stocking**
9. **Order selection**
10. **Order selection – batch picking**
11. **Order selection – freezer**
12. **Line loading**
13. **Kitting with value added services**

14. **Bulk transfer**
15. **Packing and labeling stations**
16. **Management office**
17. **Truck loading**
18. **Yard management**

Green text highlights areas where Lydia Voice excels in the Execution of these workflows

A Module for Every Warehouse Management Need

Our LFS modules enable us to configure a solution for you that fits your business perfectly. With dozens of options to choose from and limitless developments on the horizon, you can be confident that every requirement you have will be covered now and in the future.

Retrieval

- Pick and pack principle
- Multi-order picking
- Multi-stage picking
- Path-optimized processing
- Paper-based picking
- Pick-by-voice
- Pick-by-light
- RFID-supported picking
- Pick-to-belt
- Pick-to-carton
- Parallel and cross-dock order picking
- Automatic picked-good sorting
- Retrieval allocation
- Quality control and inspection
- 1-stage and 2-stage picking (Pick + Pass)
- Transparent quality assurance
- Personnel activity history

Packing

- Registration and scanning of serial numbers
- Package barcode and delivery labels
- Package content lists
- Two-stage packing
- Delivery list printouts
- Consignment data provisioning
- Location consolidation

Transport

- Path calculation
- Empty trip avoidance
- Pending transport priority control

Shipping

- Routing
- Loading and scanning
- Master shipping unit handling
- Pallet account keeping
- Load space calculation
- Freight cost calculation
- Integrated shipping system
- Shipment tracking
- Notification of delivery

Transportation

- Route planning
- Telematics
- Transit management
- Idle time tracking
- Optimized transport order transmission
- Support for multiple transporters

Clear Supply Chain Insight and Control

Statistics

- Comprehensive statistical functionality
- Warehouse occupancy
- Picking numbers and times
- Performance statistics
- Order numbers
- Order, goods-in and transport monitoring
- Cycle times for each order
- Turnaround rates
- Reach analysis
- Individual item frequency
- Individual queries
- Access frequency
- Allocation overviews
- A-B-C analysis

Graphic User Interface

- Digital product image display
- Web-enabled interface
- Graphical statistic display
- Wireless touchscreen support
- 3-D visualization of warehouse processes

Quality Assurance

- Quality status and characteristic handling
- Quality assurance order generation and processing
- Quality status change history
- Quality assurance personnel authorization

Resource Management

- Cost reduction of 15% to 20% from enhanced resource optimization
- Planning and logistic process optimization based on available resources
- Optimized assignment based on: shift schedules and qualification, available vehicles, etc.
- Graphical visual comparison of the existing resources with the current and future workload
- Planning based upon order volume and SLA

Comprehensive Tracking and Optimization

Material Tracking

- Splitting and repacking
- Cross-docking
- Quality control
- Product labeling
- Barcode labeling
- Data transfer
- Batch management
- Slot management
- Two-stage bin allocation
- Wireless printers
- Pallet tracking

RFID

- Product and load RFID
- RFID group detection
- Immediate, event-controlled online restocking
- Real-time order tracking

Storage

- Automated high-bay warehouses
- Shuttle systems
- Automated guided vehicles
- Wireless pickers and forklifts
- Electronic scales
- Automatic material-handling technologies

Inventory

- Dynamic bin allocation
- Cross-section bin allocation
- Fixed bin allocation
- Manual bin allocation
- Warehouse without bin allocation
- Bin segmentation
- Dynamic field allocation
- Block storage locations
- Overflow to larger bins
- Warehouse-specific storage logic
- Storage routines
- Carton flow
- Rack aisle slotting

Stock

- Stock classification
- Owned and consigned inventory differentiation
- Duty-paid and non-duty-paid stock separation
- Stock reserving
- Differentiated stock identification
- Hazardous goods handling
- Stock level monitoring
- Restocking reminders
- Parameter controls

Our Customers

More than a thousand companies across every industry have used LFS to help them optimize and thrive. From commerce to trade to logistics service providers, LFS has cut supply chain costs in every environment.

EPG | Simply Smarter

EPG is the leading provider of comprehensive supply chain execution software for smarter logistics management. We have decades of deep industry expertise, and we are the only company to develop and implement its own best-of-breed warehouse management, warehouse control and automation, transportation management, and voice solutions, which enables us to optimize any warehouse in any industry.

Contact us now to learn more about how LFS can improve your supply chain.

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