EMANS WES INTELLIGENT

ANASOFT

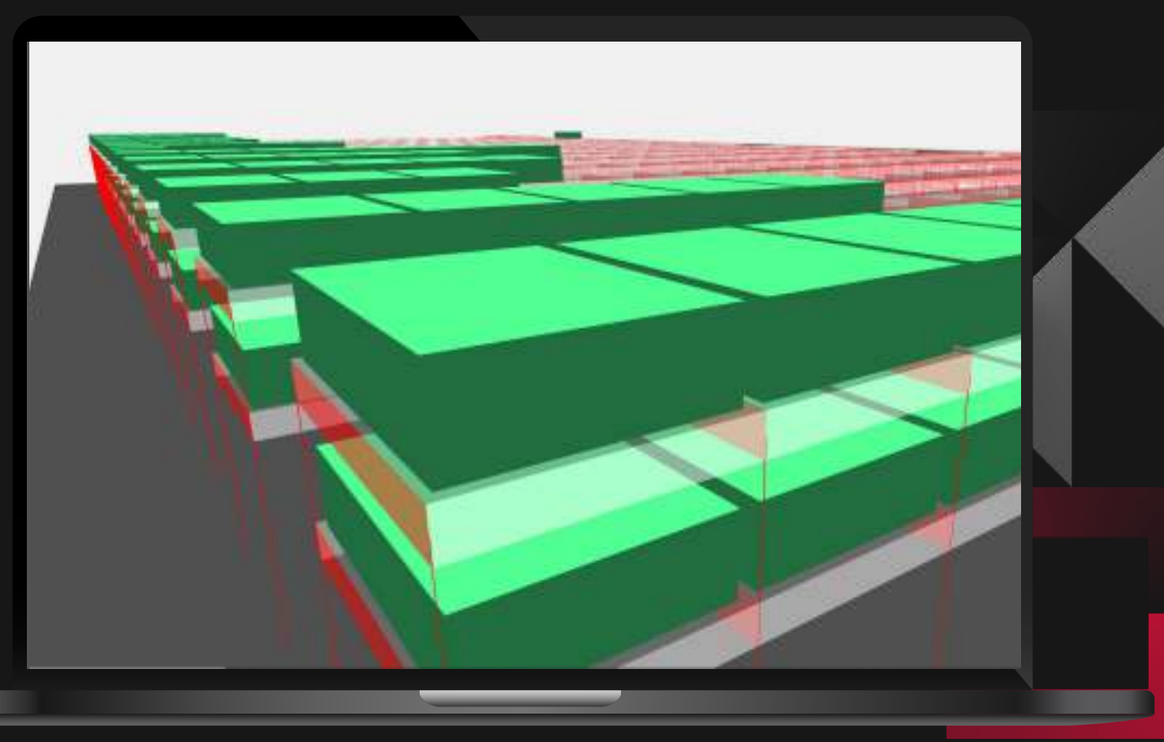
HIGH-THROUGHPUT AUTOMATED LOGISTICS TAILORED TO YOUR KEY OPERATIONAL PARAMETERS AND BUSINESS PRIORITIES

A robust warehouse execution system designed to manage warehouse and distribution logistics under the most demanding performance requirements of multi-channel order picking and fulfilment.

- **AUTONOMOUS STORAGE ZONE ORCHESTRATION**
  Advanced order management capabilities that prioritise orders based on customer type, delivery deadlines, inventory availability, and delivery proximity.

- **ADAPTIVE PICKING STRATEGIES**
  Dynamic picking algorithms continuously adjust to real-time warehouse conditions and evolving customer requirements.

- **ADVANCED ORDER CONSOLIDATION**
  Intelligent order consolidation that groups compatible orders and line items, reducing picking time while improving packing efficiency and outbound dispatch.



SOLUTION RECOMMENDED FOR

Large Distribution Centres | Cold Chain Logistics and Warehouses | Manufacturing Logistics and Warehouses

BENEFITS

+150% increase in warehouse performance

99% Quality Assurance

+99% Inventory Visibility

+45% Picker Productivity Improvement

+35% Optimization of Warehouse Space Utilization

+58% Reduction of operational downtime

+45% Increase in warehouse throughput

+38% Accelerated Order Picking

HBPO THE MODULE COMPANY | SCHNELLECKE LOGISTICS | ZKW | twd | TRELLEBORG | EUROFIT

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EMANS *intelligentWES*

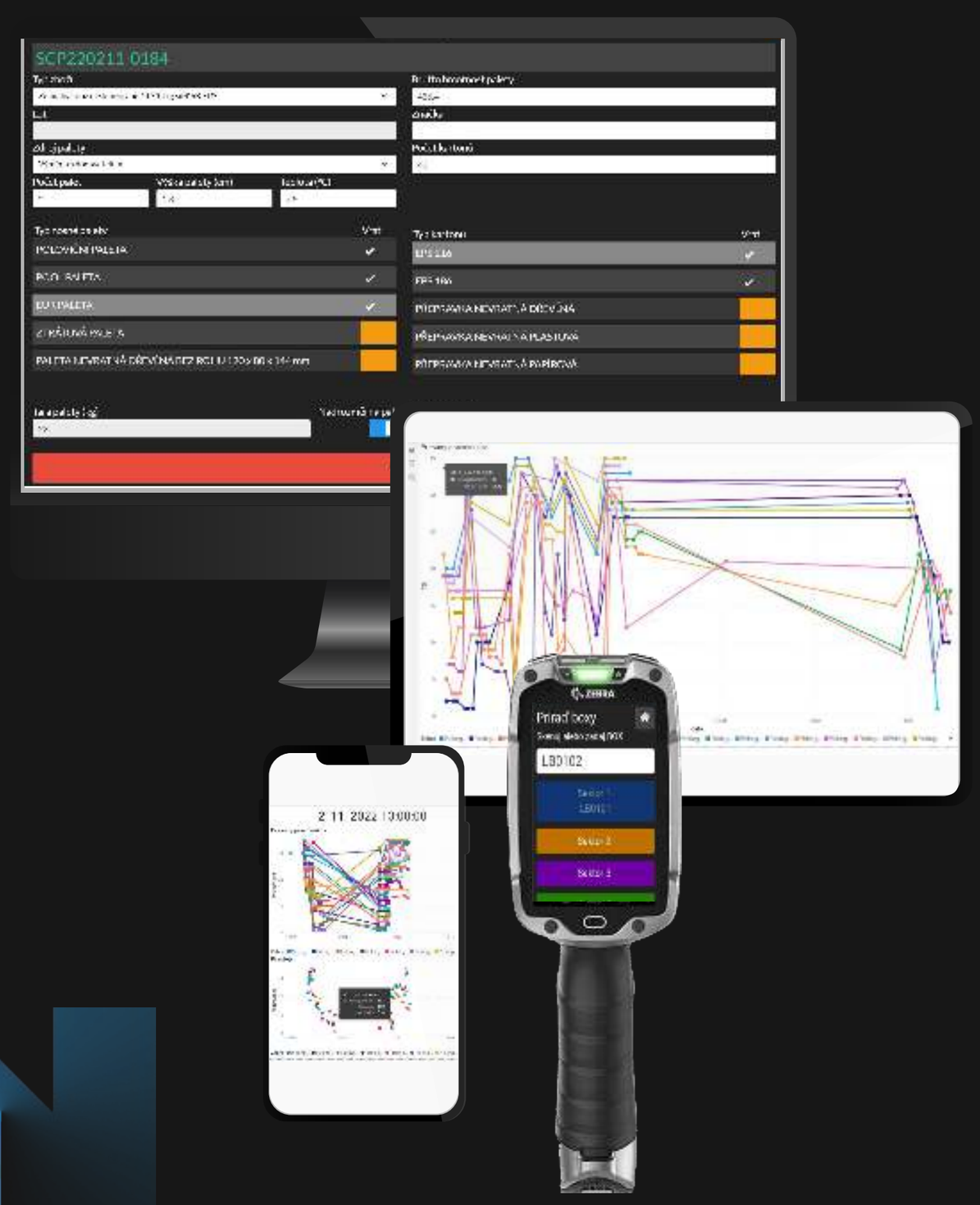
1. **REAL-TIME AUTOMATED REPLENISHMENT**: intelligentWES uses real-time operational data and predictive algorithms to automatically replenish inventory based on current demand signals and anticipated trends.
2. **STORAGE OPTIMISATION**: Advanced algorithms optimise inventory placement based on product velocity, seasonality, and SKU compatibility, reducing picking times and overall material handling costs.
3. **CROSS-DOCKING AND FLOW-THROUGH EXECUTION:** Intelligent load-balancing algorithms dynamically combine and assign tasks to optimise resource utilisation, shorten putaway and picking cycles, and increase overall operational efficiency.
4. **PREDICTIVE RETURNS AND REVERSE LOGISTICS ANALYTICS:** Predictive return models enable more efficient resource allocation and optimisation of reverse logistics processes.
5. **SYNCHRONIZED MULTIMODAL PICKING:** Enables the simultaneous use of combined picking methods within a single zone, increasing operational flexibility and supporting a wider range of order profiles.

KEY FEATURES

- Task interleaving and workload balancing across operators and automated equipment
- Machine learning and predictive analytics
- Lean logistics execution aligned with end-to-end supply chain processes
- Integration with advanced automated storage, retrieval, and picking technologies
- Multi-carrier outbound execution and shipment orchestration
- Real-time performance metrics and operational alerts

„The system EMANS from ANASOFT manages the supply of material for the largest domestic automotive factory plant in real-time, the exact deliveries of the right components are ready for dispatch unto the production lines within 17 minutes of placing the order"

Ľuboš Konopeus, IT Manager
Schnellecke Logistics



IntelligentWES IS RECOMMENDED FOR WAREHOUSES WITH THE FOLLOWING PARAMETERS:

Warehouse size

+ 10 000 storage positions

Assortment size

+ 10 000 SKUs

Daily transaction volume / material handling operations

+ 20 000 operations

Number of concurrent warehouse operators

+ 50 pickers

Technological equipment

- Autonomous Mobile Robots (AMR)
- Autonomous Vehicles (AGV)
- Single-use Robots for Palletizing, Depalletizing, Packaging, and Order Picking
- Automated Storage & Retrieval Systems (ASRS)
- Real-Time Location Systems