



AI

UMS Vision AI in Logistics

Practical AI solutions to meet your day-to-day needs

The UK logistics industry is characterised by a high number of documents such as transport orders, invoices and delivery notes, the manual processing of which is time-consuming and error-prone. By using artificial intelligence (AI) for automated document processing, companies can achieve significant efficiency gains and cost savings.

Some of the challenges you face

- Rising costs
- Capacity bottlenecks
- Driver shortage
- Sustainability and CO2 reduction
- Lack of transparency in the supply chain
- Automation and digitalisation
- Traffic congestion and unpredictable delivery times

How AI can solve these challenges

- Integrating AI-powered automation into logistics operations
- AI-driven predictive analytics for cost savings and smarter resource management
- Intelligent predictions and data analysis
- AI deployment and route planning
- Combining blockchain and AI together for transparency, traceability, control and data authenticity

Some Practical Examples

Communication processing and intelligent data analysis

Problem 1: A variety of transport orders, bill of lading, modifications via e-mail etc. are still manually entered or copied into the transport management system (TMS).

→ **Solution:** UMS Vision AI recognises and extracts all the necessary data from a variety of transport orders and supplies it in the right format for automatic data import into your TMS, ERP, etc.

Problem 2: Many orders contain several partial orders relating to individual containers, wagons, pallets, packages etc. Each of these "hidden" orders, assignments and resources must be manually entered into the TMS.

→ **Solution:** UMT Vision AI extracts all essential data from an order and generates multiple datasets (orders) for each container, wagon, pallet, package, or similar unit as required. These datasets are then formatted correctly for seamless automatic export into your TMS.

Problem 3: For export, the invoice, correct customs clearance code, and applicable regulations must be verified and aligned.

→ **Solution:** UMT Vision AI identifies and extracts key data from invoices, the customs database, and relevant regulations, then cross-checks this information with the customs application. Any discrepancies are highlighted visually and can be provided either as data or formatted for seamless data exchange.

Problem 4: What will future processes, procedures, and specific requirements look like?

→ **Solution:** UMS Vision AI can adapt to future needs and requirements and will still have the ability to integrate into your backend systems.

A hand holding a glowing 'AI' graphic surrounded by a network of nodes and lines, symbolizing artificial intelligence.

UMS Vision AI – Your Benefits

→ Significant Cost Savings

- 80 - 90% cost reduction in the processing of invoices, delivery notes and contacts through process automation
- \$600 billion in annual savings globally by reducing manual data entry errors
- 70% reduction in operating costs due to the efficient use of resources and reduction in error rate

→ Increased Productivity

- 70% reduction in the manual processing of invoices
- 61 days per year saved per employee through workflow automation
- More time to focus on other strategic tasks such as supply chain optimisation and customer support
- 70% of logistics companies globally are already using AI to process documents
- ROI of 3–9 months due to reduced processing costs and shorter processing time.

→ Improved Accuracy

- 95% error reduction through AI data extraction
- 99% accuracy in reading both structured and unstructured data
- Automatic validation of master data (e.g. project number, assignment number etc.)



AI

→ Scalability and Flexibility

- Processing volumes can vary from small quantities to more than 1 million documents per month
- Support for widely used languages and nearly all document types
- 80% of unstructured data is automatically classified (Gartner)

→ Improved Efficiency

- Processing time reduced from 15 minutes to 30 seconds
- 90% less manual work
- Seamless integration into TMS/ERP Systems

Any Questions?

We are more than happy to help.

You can book a free consultation appointment [here](#).



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