EPG AURA™

Observer IDP

Intelligent Document Processing

In logistics operations, large volumes of document-based information are generated every day. Delivery notes, shipping documents, customs paperwork, hazardous materials documentation, goods receipt records, and order-specific attachments all contain critical data for operational control. At the same time, many organizations still process this information manually by reviewing, transferring, reconciling, or reworking it.

Particularly where documents from different sources, formats, or languages converge, delays, media disruptions, and unnecessary manual effort arise. Information is often not available at the speed required for operations.

EPG AURA Observer addresses exactly this gap in the document context. In addition to camera-based perception of real-world processes, the Observer includes Intelligent Document Processing, IDP, as an additional perception layer. Documents are automatically captured, contextually understood, and made directly usable as structured operational data.

Read, understand, and process documents.

IDP translates content from a wide variety of documents into usable data structures. This goes beyond simple text recognition to include contextual understanding of relationships, positions, document types, and their logistical relevance.

Processing is powered by AI within the AI-native environment of EPG AURA. Documents are analyzed, relevant content is identified, and information is provided in context. This creates immediately usable data for operational processes without the need for manual reading, transfer, or preparation.

Usability is intentionally simple. Which information should be recognized and processed can be flexibly defined. Different document types can be handled without complex rule sets.

- No complex template setup required
- No manual data entry needed
- No rigid form logic as a prerequisite
- Immediate operational value

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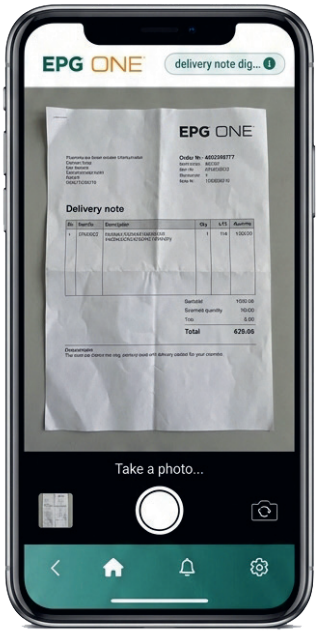
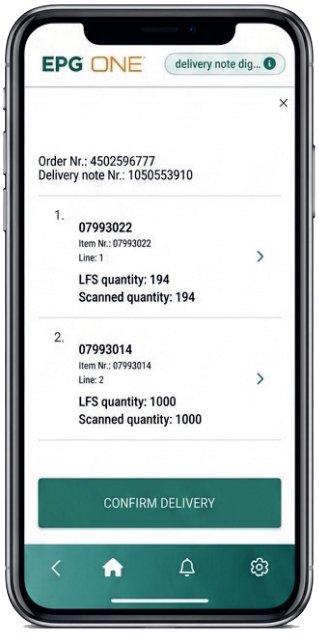
Key Benefits at a Glance

- Automated capture of logistics-relevant document content
- Flexible processing of different document types and layouts
- Reduced manual verification and data transfer efforts
- Direct provision of structured data for downstream processes
- Easy extension to additional document classes
- Seamless integration into existing operational workflows
- Contextual use of information across connected systems

Typical Logistics Use Cases

- **Goods receipt documents**
  Delivery notes, advance shipping notices, and accompanying documents are automatically extracted and made available for inbound processes.
- **Customs and foreign trade documents**
  Relevant data from customs declarations, certificates of origin, and export documentation is structured and accessible.
- **Hazardous materials and transport documents**
  Labels, compliance requirements, and transport-relevant data can be automatically verified.
- **Shipping documents**
  Mode-specific shipping documents such as airway bills, bills of lading, carrier documents, or shipping information are transferred directly into process logic.
- **Inspection and accompanying documentation**
  Documents from quality control, production, or special processes can be processed automatically.
- **Documents from decentralized sources**
  Heterogeneous inputs from email, scans, uploads, or mobile workflows can be integrated seamlessly.





Additional document types can be configured flexibly without programming and extended within the existing model logic.

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IDP is not limited to traditional document processing. In addition to documents, other image-based information can also be analyzed in a structured way and used operationally. This enables new use cases wherever visual information has previously been interpreted manually.

Additional Use Cases

- Object or unit counting
- Type and variant recognition
- Capturing visual features for process decisions
- Structured transfer of image-based data to downstream systems

Built for Direct Use in Document-Driven Processes

Especially in environments where documents must be processed in high volumes, from multiple sources, or under time pressure, IDP significantly reduces manual steps. Information becomes available faster, verification efforts decrease, and document-driven processes can be managed more reliably.

For example, in goods receipt, delivery notes and accompanying documents can be captured automatically, making relevant data immediately available for further processing. In shipping and foreign trade processes, IDP supports structured handling of carrier documents, customs paperwork, and hazardous materials documentation. In quality-related workflows, such as inspection reports or product-specific documentation, information can be made available faster and integrated directly into existing process logic.

The operational value is particularly evident where documents previously caused process interruptions. Information no longer needs to be searched, transferred, or verified separately. It is available directly within the relevant processing context.

Get Started Now

Ideal for companies looking to reduce document-driven process steps, accelerate data availability, and relieve operational workloads immediately.

EPG AT A GLANCE:
POWERING LOGISTICS EXCELLENCE

EPG is a leading international provider of a comprehensive supply chain execution suite (EPG ONE™) and employs 1000+ people in 23 locations across the globe. The group of companies offers its more than 1,600 customers WMS, WCS, WFM, TMS and voice solutions for optimizing logistics processes – from manual to fully automated logistics environments.

EPG's solutions cover the entire supply chain: from warehouse and road to ground and cargo handling solutions at airports. Logistics consulting, cloud services, managed services, and logistics training in the company's own academy round off EPG's comprehensive range of solutions.

EPG IN NUMBERS

★★★★★ **MORE THAN 1,600 CUSTOMERS**
ON ALL CONTINENTS WORLDWIDE

>1,000 EMPLOYEES WITH DEEP **LOGISTICS KNOWLEDGE** AND **INDUSTRY** EXPERTISE

OUR SOLUTIONS ARE AVAILABLE IN **60+ LANGUAGES**

LYDIA™ VOICE
FASTEST GROWING
VOICE SOLUTION IN THE WORLD AND **#1 VOICE SOLUTION** FOR ANDROID DEVICES

35+ YEARS LOGISTICS EXPERIENCE

600,000+
USERS ARE WORKING DAILY WITH **EPG SOLUTIONS**

TOP 3
SUPPLY CHAIN EXECUTION SUITE
WORLDWIDE