

— PRODUCT OVERVIEW · AI ITEM SEARCH

A smarter way to find items.

Not only finds items faster — it delivers reliable, context-aware results. Manual searching is replaced by context-based, AI-driven search that recognizes obsolete codes, abbreviations, and synonyms, consolidates scattered data, and links related records.

It does not search documents (that is what a RAG search engine is for), but works on the material master — making item, component, and material data searchable by meaning, even when the name, format, or material code differs.

unified

one record instead of multiple variations

semantic

the right result without knowing the exact term

integrated

built on the existing material master

connected

items and systems linked together

An Implementation Partner, Not a Consultancy

We build systems that solve real business problems — tailored to existing operations, sustainable in the long term, for mid-sized and large enterprises. We do not pursue the most fashionable solution; we pursue the best value for money.

Three Pillars, One Partner

AI Factory

Practical AI for enterprise environments: document processing, automation, customer service, image and video analytics, prediction, intelligent search.

Data Solutions

Reliable reporting starts with well-managed data: ETL, BI, master data management, migration, Data Governance.

Custom Development

Business applications, system integrations, process digitization — from frontend to backend, cloud and hybrid.

What Makes Us Different

- **The team that assesses the project also builds it** — from the first workshop to production.
- **We build systems, not disconnected APIs** — frontend, backend, databases, integrations.
- **We start from real operations, not templates.**
- **Modular approach** — complete systems or individual components.
- **We specialize in projects where the challenge is difficult to define.**

KEY MESSAGE

We start with assessment and finish with a working system — and the same team carries the project from the first workshop to production.

Practical AI with Real Business Value — Not Hype

A generic AI subscription is not the same as AI built around a specific business problem, measured and integrated into enterprise operations. We build the latter: complete AI processing pipeline from your data, testing multiple models on the same dataset and selecting the best value-for-money solution.

Core AI Capabilities

- **Document Processing** — invoices, forms, contracts (typically 80% processing time reduction).
- **AI Automation** — replacing repetitive manual processes.
- **Customer Service & Contact Centers** — AI-assisted responses in Hungarian.
- **Image & Video Analytics** — manufacturing and visual quality control, performance measurement.
- **Predictive AI** — quality and behavioral forecasting.
- **Intelligent Search (RAG)** — enterprise knowledge search with source references.

Ready-Made AI Products

- **AI Invoice Posting** — rule-based, audit-ready coding from images and PDFs.
- **AI Conveyor Monitor** — video analytics for operational performance.
- **Intelligent Chatbot** — hallucination-free, RAG-based knowledge assistant.
- **Intelligent Search Engine (RAG)** — answers from documents, not lists.

Every product and service at a glance

AI Factory brings together AI services; Data Solutions creates order in enterprise data; Development builds custom systems. Every engagement starts with a fixed-price assessment.

AI Factory ARTIFICIAL INTELLIGENCE

ENTRY AND LEVELS

AI Opportunity Check

€1,450 • 1 week

★ ENTRY

AI Compass Audit

From €4,950

ADVANCED

AI Pilot

From €7,950

ADVANCED

CAPABILITIES

Document Processing · AI Automation ·
Customer Service & Contact Center · Image & Video
Analysis · Predictive AI · Intelligent Search (RAG) · AI
Agents & Assistants · Customer Behavior Analytics ·
Anomaly Detection · AI Consulting & Training ·
CRM Solutions

READY-MADE SOLUTION

AI Invoice Posting · AI Conveyor Monitor ·
Intelligent Chatbot · Intelligent Search Engine

Data Solutions DATA MANAGEMENT

ENTRY

Data Assessment

From €1,450 • 2–3 weeks

★ ENTRY

CAPABILITIES

Data Preparation & Processing (ETL) · Business
Intelligence & Reporting · Data Cleansing & Validation ·
Master Data Management · Data Migration Management ·
Data Analytics · Oracle & Database Expertise · Specialized
Data Project Management · Data Governance

READY-MADE SOLUTION

CER — Material Master Data Gateway: SAP master
data framework (45 days → 4.5 days)

Custom Development CUSTOM DEVELOPMENT

ENTRY

Solution Concept

From €1,450 • 2–3 weeks

★ ENTRY

CAPABILITIES

UI/UX Design & Business Application Development ·
System Integration · Document & Workflow Management ·
Cloud & Hybrid Solutions · Data Protection & GDPR
Compliance · Handwriting & Form Digitization

READY-MADE SOLUTION

DOCMAN: Enterprise Document Management (Case
Management, QES, Company Gateway)

Built on your material master — semantic search, unified records

It makes the existing material master consistent and searchable by meaning — performing three roles at once.

- 1 Consolidator**
Identifies duplicates and variations, then merges them into a single, unified record.
- 2 Semantic search engine**
Search is based on meaning, not exact wording — the item remains discoverable even when described differently.
- 3 Connector**
Automatically links related items across multiple systems.

IMPORTANT DISTINCTION

AI Item Search does not search documents (that is the role of a RAG search engine). It works on the material master: consolidating item, component, and material data and making it searchable by meaning — even when names, formats, or material codes differ. It does not replace your master data; it makes it usable.

Three situations where master data chaos creates operational friction

- 1 Inconsistent records**
Abbreviations, typos, and naming variations make the master data inconsistent; multiple disconnected records exist for the same item.
- 2 Fragmented systems**
Systems are not connected, so data does not flow across platforms and search remains fragmented.
- 3 More records, less transparency**
As data volumes grow, transparency decreases: manual searching becomes slower and more error-prone, while variations create operational bottlenecks.

BOTTOM LINE

Manual searching, duplicate item creation, and process bottlenecks still cost money today — the data is already there; what is missing is consistency.

Three perspectives, one solution — and where the business impact appears

Typically relevant in manufacturing, distribution, and supply-chain environments where there are many material codes and the same item appears under multiple names across multiple systems. Daily operations are slowed down by fragmented and inconsistent master data.

Procurement / Supply chain manager

Fast, accurate item search directly accelerates operational processes.

Master data owner

Duplicate detection and record consolidation provide the greatest value.

Operational users

Semantic search saves time and reduces errors in everyday work.

Where change becomes measurable

Faster search

Semantic results instead of manual searching — even when entered differently.

Data consistency

Duplicates and variations disappear — one unified record per item.

Faster processes

Accurate item search accelerates procurement and supply-chain processes.

What it does in practice — core capabilities

Duplicate detection

Recognizes when the same item appears under different names, codes, or formats and merges them.

Semantic search

Searches based on item meaning, not exact wording — results remain discoverable even when phrased differently.

Obsolete codes and synonyms

Recognizes legacy codes, abbreviations, and synonyms — connecting old and new names to the same item.

Record consolidation

Turns multiple variations into a single, unified, decision-ready record.

Cross-system linking

Automatically connects related items across multiple systems.

Built on existing master data

Does not create a new master database; it makes the existing one consistent and searchable.

— THE DIFFERENTIATOR · THE THREE BUILDING BLOCKS

Three layers — from consolidation to semantic discovery

1 Consolidation engine

Duplicate and variation detection, record merging — one clean record instead of many.

2 Semantic search engine

Meaning-based (vector) search instead of exact-word matching — understands what the item represents.

3 Relationship layer

Automatically links related items across multiple systems.

WHY IT MATTERS

True semantic search is built from three interconnected layers: the consolidation engine that merges duplicates, the semantic search engine that understands meaning, and the relationship layer that links related items across systems.

Proof of expertise

Core architectural principles

Consolidation engine

Duplicate and variation detection, automatic record consolidation — transforming multiple versions of the same item into one clean, unified record.

Semantic search engine

Meaning-based search instead of exact-word matching.

Relationship layer

Automatic linking of related items across systems.

What makes AI ITEM SEARCH different

Built on CER expertise

Built on CER and years of master data experience.

Meaning, not keywords

True semantic search — not just faster text matching.

Built on existing data

It does not create a new master database; it makes the existing one usable.

Reliable results

Consistent, connected, and trustworthy results.

ABOUT PRICING — HONESTLY

Pricing depends on the size of the material master and required integrations. The real cost is often the problem itself: manual searching, duplicate item creation, and process bottlenecks. The data is already there — what is missing is consistency.

— THE NEXT STEP

The data is there — can your team actually find it?

In a 30-minute discussion, we review your material master and show where duplicates and variations can be eliminated. If AI Item Search is not the right fit, we will tell you that honestly.

Unified

One record instead of multiple variations.

Proof: duplicate consolidation.

Semantic

The right result without knowing the exact term.

Proof: semantic search.

Reliable

Consistent, connected results you can trust.

Proof: linking related items.

WEB

omnit.hu

PRODUCT

AI Item Search · material master ·
semantic consolidation

COMPLIANCE

ISO 27001 + 9001

[Request a consultation →](#)

