

— PRODUCT OVERVIEW · CER (MATERIAL MASTER DATA GATEWAY)

Bringing order to **master data chaos.**

CER is a controlled SAP gateway for material master data that directs the creation, approval, and maintenance of material master data into a structured process — before the data enters the ERP system.

It is not another database and not a parallel system. It sits in front of SAP (or another ERP), acting as a controlled gateway — ensuring that only clean, validated, approved data reaches the ERP.

45 → 4.5

days process cycle time

SAP gateway

tisztclean ERP input

BPMN

controlled workflow

AI

semantic search + KPIs

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)

A controlled gateway in front of SAP — not a database, but a process

CER directs the creation, approval, and maintenance of material master data through a controlled process — serving three roles at once.

- 1 Process framework**
BPMN-based workflows guide every step of the material master process, with built-in control points.
- 2 Quality gate**
Real-time validation prevents invalid data from reaching SAP.
- 3 Audit layer**
Every change is recorded and fully traceable: what changed, why it changed, who changed it, and when.

IMPORTANT DISTINCTION

CER does not replace SAP and is not a parallel database. It sits in front of SAP, acting as a controlled gateway where material master data is created and approved before entering the ERP system. As a result, SAP only receives clean, validated, approved data. Errors are filtered where they originate — not corrected later.

Three typical master data management problems

- 1 Slow, opaque approval processes**
Approval workflows are slow and difficult to follow. Nobody knows where a request is currently waiting, who owns the next step, or where the process is blocked.

- 2 Uncontrolled access, unclear ownership**
Business users can modify master data directly, without automated controls. Errors are often discovered only afterwards, and accountability is unclear.

- 3 Wasted expert time**
Highly skilled employees spend valuable time on manual administration, duplicate data entry, duplicate cleanup, and post-correction activities. This becomes a major obstacle to scaling.

BOTTOM LINE

Manual administration, duplicate records, lengthy approval cycles, and SAP errors corrected after the fact all have a cost — and companies are paying that cost every day.

Four perspectives, one process — and where the impact can be measured

CER is primarily relevant for mid-sized and enterprise organizations using SAP or another ERP system, where there are many materials and frequent master data changes. The problem appears mainly within business and operational teams, but the solution also affects IT and Data Governance.

Operations / supply chain manager

The most visible result is reducing cycle times from 45 days to 4.5 days.

Master data manager

Struggles daily with duplicate records, incomplete data, and post-correction activities.

IT / SAP manager

Benefits from fewer downstream data errors and cleaner ERP input.

CFO / controlling

Interested in auditability and the hidden costs caused by poor-quality master data.

Where the change can be measured

Process cycle time

Master data processes can shrink from days to hours — in actual deployments from 45 days to 4.5 days.

Data consistency

Errors are filtered at the source, meaning only clean, validated data reaches SAP.

Freed-up expert capacity

Manual administration and post-correction work disappear, allowing employees to focus on value creation.

The material master data journey — process steps

Request / creation

A controlled entry point with role-based access and a single source of input.

Real-time validation

The system identifies invalid or incomplete data immediately during entry.

Approval workflow

BPMN workflow steps, control points, automated notifications, and complete traceability.

SAP synchronization

Approved, clean data is transferred automatically into the ERP system.

Maintenance and audit

Every future modification follows the same controlled and fully logged process.

AI layer · semantic material search

Users can find materials even without knowing the exact SAP name. Search is meaning-based rather than exact-text based. Searching for “drive unit” may still find materials named “electric motor”, for example. The AI layer also provides real-time KPI reporting for master data processes.

THE DIFFERENTIATOR · THE SAP GATEWAY

The SAP gateway logic — filtering errors at the source

1 Source

Material master data is created through CER's controlled gateway, with role-based validation.

2 Gateway

Invalid or incomplete data cannot proceed. Errors are filtered where they originate.

3 SAP

Only clean, approved material master data enters the ERP system — eliminating costly downstream corrections.

WHY IT MATTERS

In the traditional approach, business users can modify SAP master data directly, often without controls. Errors are discovered later and corrected at significant cost. With CER's controlled gateway, invalid data never reaches the ERP system, and every change remains fully auditable.

Proof of expertise

Core architectural principles

Workflow engine

BPMN-based workflows with branching logic, control points, and role-based routing.

Validation layer

Field-level and rule-based real-time validation during data entry.

SAP integration layer

Bidirectional synchronization ensuring only approved master data reaches SAP.

AI layer

Semantic (meaning-based) material search — find materials without knowing the exact SAP name — and real-time KPI analytics for master data.

What makes CER (MATERIAL MASTER DATA GATEWAY) different

Tailored implementation

Adapted to your organization, not delivered off the shelf.

Gateway, not repair

The SAP gateway logic filters errors where they occur instead of fixing them afterwards.

Proven results

In real deployments, process cycle times have been reduced from 45 days to 4.5 days.

Unified data competence

Complete data expertise under one roof, closely connected to Master Data Management and Data Governance initiatives.

ABOUT PRICING — HONESTLY

There is no fixed price list. Pricing is project-based and depends on the number and complexity of workflows, the size of the material master domain, and the required integrations. The real question is not the project price, but the hidden cost of the current operation: manual administration, duplicate records, 45-day cycle times, and SAP errors corrected after the fact all appear on the organization's bill. CER replaces these recurring hidden costs with a controlled, scalable process.

— THE NEXT STEP

Why should SAP be the place **where errors are discovered?**

In a 30-minute discussion, we review your material master process and show exactly where errors can be filtered at the source. If CER is not the right fit for your organization, we will tell you that honestly as well.

Transparent

Data, responsibilities, and ownership in one place.

Proof: workflow, audit trail.

Automated

Controlled process with less administration.

Proof: 45 → 4.5 days.

Reliable

Real-time validation and SAP synchronization.

Proof: invalid data never reaches SAP.

WEB

omnit.hu

Product

CER · SAP gateway ·
BPMN · validation

Compliance

ISO 27001 + 9001

[Request a consultation →](#)

