

— PRODUCT OVERVIEW · AI CONVEYOR MONITOR

Turn conveyor activity into measurable performance.

The footage already exists — it simply needs interpretation. AI Conveyor Monitor extracts operational performance data from existing camera footage: measuring conveyor utilization, worker activity, and downtime from video that was previously visible but not measurable.

This is not a security system and not a quality-control solution. It transforms video into structured operational data, making utilization and shift efficiency visible and comparable.

video → data

measurable performance

3 metrics

idle / normal / overloaded

existing cameras

new business value

shifts

comparable performance indicators

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)

Measurable data from video — not a security camera, not a QC machine

Existing camera footage can be transformed into operational performance data — delivering three business benefits at once.

- 1 Video interpreter**
Transforms camera footage into structured, measurable performance data.
- 2 Objective metric**
Conveyor utilization (idle / normal / overloaded) becomes measurable based on facts, not assumptions.
- 3 Comparison engine**
Shifts become comparable through standardized performance indicators.

IMPORTANT DISTINCTION

AI Conveyor Monitor is neither a security system nor a quality-control machine. It extracts operational performance data from existing camera footage: conveyor utilization, worker activity, and downtime from what has previously been visible but not measurable video. Conveyor monitor is one application of our image and video analytics capability — not a single-purpose standalone product.

Three situations where footage never becomes knowledge

- 1 Footage never becomes data**
Reviewing footage is slow and rarely produces actionable information. Video contains information, but not measurable data.
- 2 Worker activity is not visible**
It is unclear how many workers are active during a shift and how workload is distributed, making capacity planning uncertain.
- 3 Shifts cannot be compared**
Without standardized performance metrics, shifts cannot be objectively compared and improvement decisions rely on assumptions.

BOTTOM LINE

Unmeasured utilization and assumption-based capacity decisions continue to create hidden losses. The footage already exists — it simply needs interpretation.

Three perspectives, one measurement system — and where the impact appears

Typically manufacturers and logistics companies where operations rely on conveyors or production lines and cameras are already in place. The challenge for operations and production management is that utilization is still often assessed through estimates or manual measurements.

Operations / Production Manager

Fact-based utilization and shift comparison support better decisions.

Lean / Process Improvement

Downtime and workload become measurable.

Operational Leadership

Existing cameras gain additional value without new investments.

Where change becomes measurable

Measurability

What was previously only visible video becomes objective performance data.

Better decisions

Capacity and improvement decisions are based on measurable facts instead of assumptions.

Better use of existing investments

Existing cameras create new business value — typically without additional hardware.

What it does in practice — core capabilities

Utilization measurement

Measures conveyor utilization (idle / normal / overloaded) automatically and objectively.

Worker activity

Shows how many workers are active during a shift and how workload is distributed.

Downtime detection

Identifies and quantifies downtime events automatically.

Shift comparison

Compares shifts and periods through standardized performance indicators.

Management dashboard

All indicators are available in a single visual dashboard.

Built on existing cameras

Uses existing camera footage — typically without additional hardware investment.

— THE DIFFERENTIATOR · THE THREE BUILDING BLOCKS

Three layers — from visible video to measurable operational data

1

Video processing layer

Continuous frame-by-frame computer vision analysis of existing footage.

2

Event and activity detector

Automatic recognition of workload, worker activity, and downtime.

3

Metrics layer

Standardized KPIs and management dashboards.

WHY IT MATTERS

Conveyor monitor is one application of our image and video analytics capability. Three connected layers transform visible video into measurable operational data — using existing camera infrastructure.

Proof of expertise

Core architectural principles

Video processing layer

Continuous frame-by-frame analysis using computer vision.

Event and activity detector

Automatic recognition of workload, worker activity, and downtime.

Metrics layer

Standardized KPIs and management dashboards.

What makes AI CONVEYOR MONITOR different

Built on existing cameras

No new hardware investment required.

Multiple use cases from the same foundation

Conveyor monitor is one application of our image and video analytics capability — using existing camera footage to generate measurable operational data.

Facts, not assumptions

Decisions are based on measurable data.

Related, proven application

In a real-world image and video analytics project, machine-learning-based quality prediction reduced scrap rates by 61% at a manufacturing company.

ABOUT PRICING — HONESTLY

There is no fixed price list. Pricing depends on the number of cameras, use case complexity, and integration requirements. The real question is not the price, but the cost of unmeasured utilization. The footage already exists — it simply needs interpretation.

— THE NEXT STEP

What is hidden in your conveyor footage?

In a 30-minute discussion, we review your conveyor footage and show what measurable performance indicators can be extracted from it. If AI Conveyor Monitor is not the right fit, we will tell you that honestly.

Measurable

Objective utilization instead of assumptions.

Evidence: idle / normal / overloaded utilization data.

Comparable

Standardized indicators across shifts.

Evidence: shift comparison.

Straightforward

Built on existing cameras.

Evidence: typically no new hardware required.

WEB

omnit.hu

PRODUCT

AI Conveyor Monitor · utilization ·
downtime · shifts

COMPLIANCE

ISO 27001 + 9001

[Request a consultation →](#)

