

# 8peaks: Sovereign AI Infrastructure & Agentic Orchestration

Bridging the gap between Generative AI power and Enterprise Sovereignty — Technology Readiness Level 7

## 01 Local Intelligence Engine

Open Source · On-Premise · Edge

- **Local Deployment:** Secure on-prem installation of Llama 3, Mistral, Falcon, EuroLLM
- **Fine-Tuning:** Native LoRA / QLoRA adapter support to train models on private company data without exposing it externally.
- **SLM Optimization:** Small Language Models for sub-100 ms inference on consumer hardware — cost-effective and low-latency.

## 02 KennisAI Flow Platform

Low-Code / No-Code · 10× Faster Dev

- **Visual Data Flow Canvas:** Drag-and-drop environment to engineer complex AI workflows, multi-model orchestration & real-time testing.
- **100+ Native Integrations:** OpenAI, Azure, AWS, Google, SAP, Salesforce, SQL, Vector DBs (Qdrant), IoT, ERPs & custom APIs.
- **Enterprise Governance:** Full PII redaction, RBAC, audit trails, version control & one-click deployment to production REST APIs.

## 03 Agentic AutoML Toolbox

The "Autonomous Data Team" — 3-Agent Trinity

**Agent Trinity:** Data Architect (schema + cleaning) → Business Strategist (use-case discovery) → ML Engineer (model code).

**7-Step Pipeline:** Schema Inference → PII Sanitization → Feature Engineering → Model Training (XGBoost, LightGBM etc.) → SHAP Explainability.

**Features:** Supports Classification, Regression, Time-Series & Anomaly Detection.

## 04 Zero-Trust AI & Compliance

Compliance-as-Infrastructure · Sovereignty by Design

- **Zero Trust Framework:** "Never Trust, Always Verify" — AI Firewall, confidence thresholds, validation layers & failsafe escalation.
- **EU AI Act · GDPR · HIPAA:** Automated "Black Box" logging (Art. 12), explainability reports, automatic PII detection & redaction.
- **Certifications:** ISO 27001 · SOC 2 Type II · GDPR Data Protection · AI Ethics governance. Sovereign data residency guaranteed.

# 8peaks — Platform, Products & Enterprise Services

Your AI. Your Data. Your Rules. Antwerp, Belgium · 8peaks.io

## PRODUCTS & PLATFORMS

### KennisAI

Enterprise Low-Code AI Platform — visual workflow builder, 100+ integrations, GDPR-ready governance.

### ecommand

AI Recommendation Engine — +45 % conversion, collaborative & content-based filtering, from \$500/mo.

### Green AI & Sustainability

–60 % carbon footprint via smart model selection. Annual transparency reports on emissions, energy & equality. CEO-level governance.

## SOVEREIGN AI USE CASES

- **Financial Services:** Fraud detection, risk assessment, AML, compliant credit scoring (XAI).
- **Healthcare:** Clinical decision support, patient triage, HIPAA-compliant imaging analysis.
- **Manufacturing:** Predictive maintenance, digital twins, air-gapped quality control (93.7 % accuracy).
- **Public Sector:** Sovereign citizen services, case-file summarization, GDPR policy analysis.
- **Retail & E-Commerce:** Hyper-personalized recommendations (+45 % conversion), demand forecasting.
- **Agriculture:** Edge-based precision farming, sovereign resource & smart-grid management.

### EU Institutional Partnerships

- EU European Commission — AI & Infrastructure proposals participant
- Horizon Europe — Research & Innovation programs
  - Digital Europe — Digital Infrastructure Programme

## PROFESSIONAL SERVICES

### AI Roadmap Strategy

Assess → Pilot → Scale → Sustain methodology.

### Cloud Migration

Multi-cloud (AWS / Azure / GCP), zero-downtime, cost optimization.

### Cyber Security

Penetration testing, ISO 27001 audits, incident response.

### Program Management

PMP / PRINCE2 / SAFe Agile delivery for complex transformations.

## CERTIFICATIONS & STANDARDS

ISO 27001

SOC 2 Type II

GDPR

HIPAA Ready

PMP · PRINCE2

AWS SA · DevOps · Security

TOGAF

CISSP · CEH · CISM

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