ADVaSol
DISTRIBUCIJA

CAPABILITY STATEMENT

Artificial Intelligence & Machine Learning

Artificial intelligence should solve problems, not create them. We help organizations apply AI where it creates measurable value.

AI Strategy · **Enterprise AI & Knowledge Assistants** · **Intelligent Document Processing** · **Machine Learning** · **AI Advisory**

ADVaSol Distribucija d.o.o. · Independent Engineering Consulting · Belgrade, Serbia

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WHO WE ARE

Engineering Before Algorithms

Successful AI adoption requires much more than selecting a model or deploying software. It depends on knowledge quality, process design, data readiness and people who trust the result.

ADVaSol helps organizations identify where artificial intelligence creates measurable value, and how to implement it responsibly, effectively and sustainably. We define the approach, design the architecture and guide the client's team or chosen supplier through delivery — so that knowledge stays with the client.

Areas of Expertise

- AI opportunity and readiness assessment
- Enterprise knowledge assistants and retrieval-augmented generation
- Intelligent document processing
- Machine learning for forecasting, classification and anomaly detection
- AI solution architecture and vendor evaluation
- MLOps / LLMOps practices and AI project delivery (PMI-CPMAI)

Key Principles

Start with the problem, not the model

Measure value before scaling

Extend existing systems where possible

Human oversight where decisions matter

Governance from day one

ABOUT ADVASOL

ADVaSol Distribucija is an independent engineering consultancy in Belgrade, Serbia, with six practice areas: Mission Critical Communications, Mobile & Telecommunication Networks, Artificial Intelligence & Machine Learning, AI Governance & ISO/IEC 42001, Advanced Analytics, and Engineering Consulting & Technology Advisory. Its work builds on more than 25 years of engineering, research and international consulting experience.

SERVICES

From Opportunity to Production

AI Strategy

AI opportunity and readiness assessment, executive workshops and AI roadmaps aligned with business priorities.

Enterprise AI

Knowledge assistants, internal AI assistants, semantic search and retrieval-augmented generation over organizational knowledge.

Intelligent Document Processing

Extraction and validation of data from invoices, contracts, technical reports and engineering documentation, with defined accuracy targets.

Machine Learning

Forecasting, predictive analytics, anomaly detection, classification and optimization for operations and finance.

AI Advisory

Technology assessment, architecture review, vendor evaluation, cost and performance baselines, implementation planning.

AI Governance

Responsible use, risk management and AI management systems aligned with ISO/IEC 42001 — see our separate capability statement.

Our Methodology



The objective is not simply to deploy AI. The objective is measurable operational improvement, with performance baselines, decision gates and cost control defined before investment is committed.

Technology Approach

We remain vendor-independent. Depending on the requirements, solutions may combine large language and vision-language models, classical machine learning, computer vision, retrieval-augmented generation, vector databases, knowledge graphs and workflow automation — in the cloud or fully on-premise where data must not leave the organization.

REPRESENTATIVE EXPERIENCE

AI in Production, Not in Presentations

Specific references are available on request, subject to client confidentiality.

Intelligent Document Processing

Hybrid vision-language and language-model architecture for high-volume business documents, with defined accuracy targets — processing time reduced by up to ten times.

Conversational AI in a Local Language

Domain-specific assistant for the tourism sector based on a fine-tuned language model for a less-resourced European language.

On-Premise Personalization Platform

Architecture of an on-premise AI platform for customer personalization, keeping sensitive data within the organization.

Budget Forecasting

Machine learning budget projections integrated into an existing ERP environment for a large public-sector budget system — quarterly projections within approximately 5%.

Telecom Machine Learning

Customer experience scoring, churn prediction, root cause analysis, anomaly detection and ML-based network optimization for mobile operators.

AI Adoption in a Software Company

Introduction of AI into internal workflows and governance for the use of AI coding agents.

Registered work

Seventeen technical solutions and articles in telecom analytics and machine learning authored by Dr. Vujić are registered with the Intellectual Property Office of the Republic of Serbia.

Led by Dr. Dejan Vujić

PhD in Electrical Engineering – Telecommunications · Licensed Professional Engineer (Serbian Chamber of Engineers, licences 353 and 453) · PMI-CPMAI™ · 25+ years in engineering, research and international consulting.

How we engage

Project-based consulting · independent advisory and design review · long-term advisory · specialized expert support for a single project phase.

Planning an AI Initiative?

We help you find where AI creates real value — and deliver it responsibly, with measurable results.

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Specific project references are available on request, subject to client confidentiality. The ADVaSol brand is also used by Aleksandar Vujić PR ADVaSol Beograd-Zemun; see advasol.net/legal.html.