ADVaSol
DISTRIBUCIJA

CAPABILITY STATEMENT

Mobile & Telecommunication Networks

Independent expertise for network planning, optimization and telecom data — from radio access to analytics.

Radio Network Planning · Network Optimization · In-Building & DAS · Private & Critical Networks · Telecom Data & Analytics

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

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WHO WE ARE

Engineering the Network Behind the Service

Mobile networks have become critical infrastructure for business, public services and everyday life. Decisions about how they are planned, extended and operated have long-term consequences.

ADVaSol supports operators, system integrators, infrastructure and venue owners, and regulators with independent engineering advice — based on more than 25 years of telecommunications research, licensed engineering practice and international project experience.

Areas of Expertise

- Coverage and capacity planning, propagation modelling, link budgets
- Radio access network performance analysis and optimization
- Network dimensioning for high-density events
- In-building coverage and distributed antenna systems
- Private LTE/5G and critical broadband
- Spectrum studies and regulatory support
- Telecom data platforms, QoE and ML for network operations

Key Principles

Measure before you optimize

Customer experience, not only KPIs

Vendor-neutral across generations

Every number must be defensible

AI where data and processes allow

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 Radio Access to Analytics

Radio Network Planning

Coverage and capacity planning, propagation modelling, link budgets and site design for current and next-generation networks.

Network Optimization

Performance analysis and optimization, including high-traffic events and complex urban environments.

In-Building Coverage & DAS

Distributed antenna systems for halls, venues and large public buildings — from design to acceptance.

Private & Critical Networks

Private LTE/5G and broadband for infrastructure, industry and public safety, coordinated with professional radio.

Telecom Data & Analytics

Network and customer data platforms, KPI frameworks, quality of experience and ML for network operations.

Technical Review & Tender Support

Independent review of designs and offers, technical specifications and acceptance testing.

Typical Deliverables

- Radio planning study
- Link budget and capacity calculations
- Optimization report
- DAS design documentation
- Technical specification
- Design review report
- Data platform architecture

REPRESENTATIVE EXPERIENCE

Operators, Regulators and Large Venues

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

Major International Sporting Event

In-building network modelling, planning and validation for a major international sporting event.

Mobile Network Operators

Radio access and core network design, in-building design verification, optimization and drive-test campaigns in Europe.

National-Scale QoE Analytics

Hourly, subscriber-level quality of experience analytics with pipelines processing tens of terabytes per day.

Regulators

Spectrum monitoring system design, spectrum clearance procedures and feasibility studies for new wireless technologies.

Large Exhibition Venues

Indoor coverage and broadband radio design for large exhibition halls.

Research

Doctoral research and publications on RAN dimensioning for high-density special events.

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, Extending or Optimizing a Network?

Independent engineering advice early in a project saves cost and avoids decisions that are difficult to reverse.

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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.