

NEOS ENERJİ

INNOVATIVE ENERGY SOLUTIONS

NEOS ENERJİ

About NEOS

NEOS Group Inc. is a global consultancy and engineering holding company, headquartered in Los Angeles, USA, with a track record across **50+ countries** and **five continents**. The Group brings together two specialized entities:

NEOS ADVISORY

— Provides **strategic, regulatory, ICT, and financial consulting**, helping governments, regulators, and investors shape policy, markets, and investment frameworks.

NEOS ENERJI

— Offers **engineering and technical consulting** across the full project life cycle, from concept to operation, with a strong focus on digitalization, smart grid transformation, and innovation roadmaps to accelerate the energy transition.

Together, we combine strategic insight with technical depth, ensuring end-to-end expertise for clients in the **energy, water, utilities, and infrastructure sectors** worldwide.



NEOS Enerji

NEOS Enerji is a well-established **engineering and consulting company** specialized in the energy sector, creating innovative solutions across the entire project life-cycle, from concept and feasibility through development, execution, and operation.

Our team of **international engineers and consultants** with diverse expertise delivers tailor-made services in **power generation, transmission, and distribution**, helping clients worldwide achieve their goals.

Through NEOS's tailored-made services, our customers obtain:

— Strong, experienced and knowledgeable support

— High quality services from top-class experts

— Visionary and forward-looking perspective

— Best value for your money



Global Footprint



- **United States**
- Brazil
- Canada
- Colombia
- Guatemala
- Haiti
- Mexico

- **Türkiye**
- **UAE**
- **Iraq**
- Albania
- Belgium
- Czech Rep.
- Denmark
- France
- Kosovo
- Moldova
- Netherlands
- N. Macedonia
- Romania
- Serbia
- Switzerland
- Ukraine
- United Kingdom

- Burkina Faso
- Egypt
- Kenya
- Liberia
- Malawi
- Morocco
- Nigeria
- South Africa
- Tunisia
- Uganda

- Afghanistan
- Armenia
- Azerbaijan
- Georgia
- India
- Indonesia
- Japan
- Kazakhstan
- Kyrgyzstan
- Marshall Islands
- Oman
- Pakistan
- Papua New Guinea
- Saudi Arabia
- Sri Lanka
- Uzbekistan

NEOS Offices

Geographic Experiences

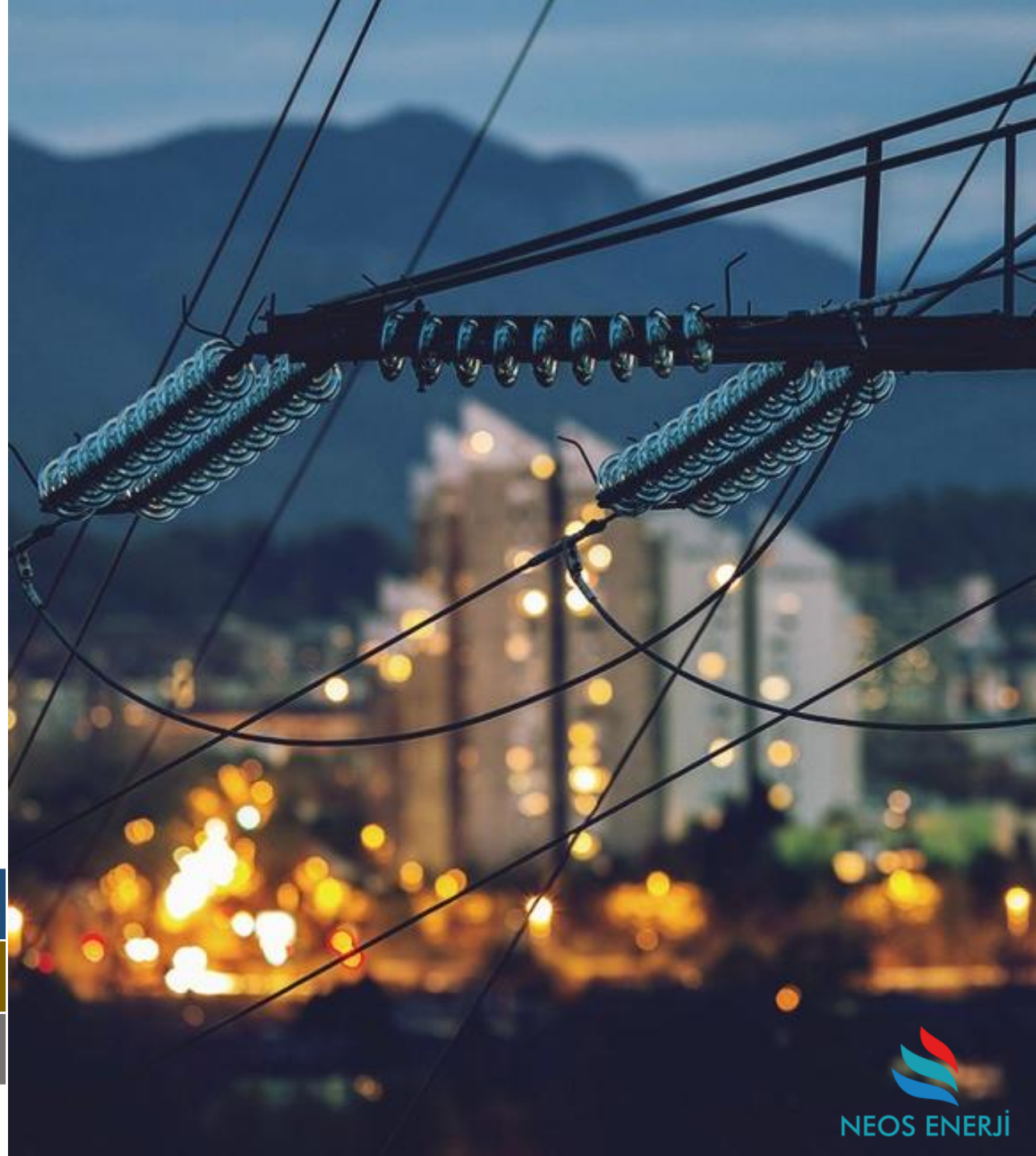
Why NEOS?



ISO 9001:2015

ISO 14001:2015

ISO 45001:2018



Snapshot of Successes

50+ MERGERS, ACQUISITIONS, & PPP PROJECTS

COMPLETED ACROSS SECTORS, INCLUDING POWER, WATER, AND RENEWABLE ENERGY

100+ ASSESSMENTS & DIAGNOSTICS

FOR UTILITIES AND ENERGY COMPANIES TO UNCOVER EFFICIENCIES AND DRIVE STRATEGY

SECTOR EXPERTISE

DEVELOPED **22** SECTOR REFORM PLANS FOCUSING ON POLICY, REGULATORY COMPLIANCE, AND MARKET DESIGN

PRIVATIZATION AND PSP

SUPPORTED THE PRIVATIZATION OF **15** STATE-OWNED UTILITIES AND EXECUTED **25** GREENFIELD PROJECTS

TRANSFORMATION SCALE

DIGITIZED **35+** ENTERPRISES, MODERNIZING CRITICAL OPERATIONAL AND IT SYSTEMS

HIGH-IMPACT PROJECTS

100+ STRATEGIC CAPITAL PROJECTS, INFRASTRUCTURE DELIVERY, AND PERFORMANCE IMPROVEMENT

SPECIALIZED IN RESTRUCTURING & PERFORMANCE TURNAROUND

FOR PUBLIC SECTOR ENTITIES IN EMERGING MARKETS

TRAINED 40,000+

ACROSS MULTIPLE UTILITIES, BUILDING LOCAL CAPACITY AND ENHANCING OPERATIONAL EFFECTIVENESS

CERTIFICATIONS & COMPLIANCE

ISO 9001 AND ISO 27001 CERTIFIED FOR QUALITY AND INFORMATION SECURITY MANAGEMENT



Our Values

We are defined and driven forward by our core beliefs

Innovation

We always look for beyond the conventional, pushing limits to create a value and to make an impact. Making brave decisions and supporting each other are for what we believe in.

Curiosity

We have niche competencies and we are passionate about making an impact by sharing our expertise. Expanding our knowledge to make a difference, we are motivated by our curiosity to grow and learn more.

Synergy

We put people at the heart of our business and embrace all perspectives, collaborating across borders to make a positive impact. Supporting and bringing out the best in each other shows our belief in the power of differences.

Our Strategy

GROWTH

International expansion into leading positions

- Strengthening presence in core markets
- Targeted growth in selected niches
- Participation in global investment projects

VALUE CREATION

Business model shift to deliver higher value

- Increasing share of projects and solutions
- Leveraging cross-NEOS capabilities to meet global drivers
- Developing new concepts and tailored offerings
- Optimizing professional services

OPERATIONS

Driving operational excellence

- Simplified and agile organization
- Smart financial steering
- Optimized pricing and sourcing
- Strong ethical standards

PEOPLE

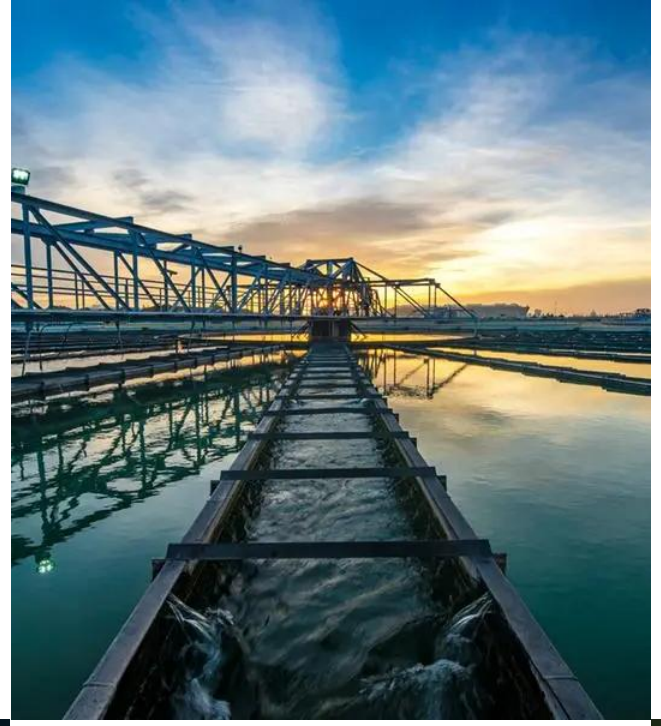
Best in class people practices

- Leadership and talent development
- Engagement and continuous growth
- Strong employer brand
- Effective recruitment and onboarding
- Commitment to diversity and inclusion

NEOS ENERJİ

ENERGY & WATER SECURITY

- Security of Supply
- Market Development
- Sector Governance & Utility Regulation
- Critical Infrastructure Resilience
- Crisis Management



UTILITY MODERNIZATION

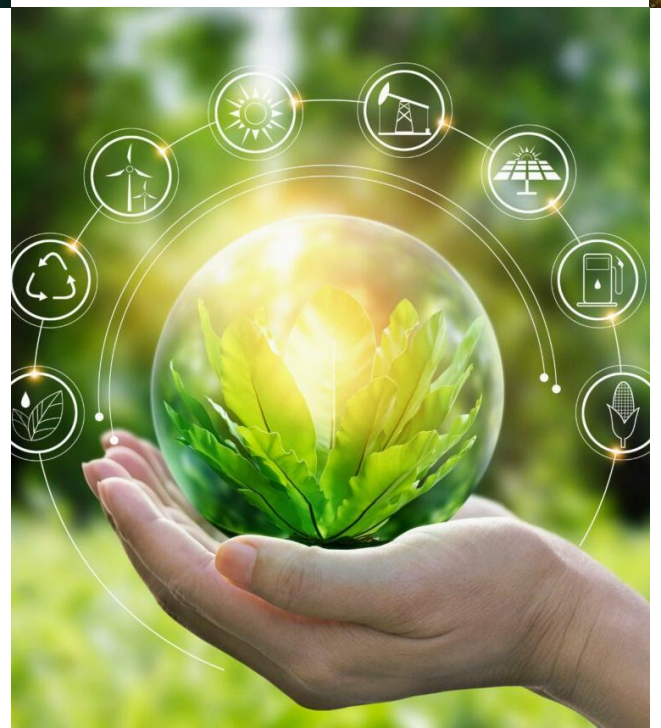
- Performance Improvement & Turnaround
- Digital Transformation
- Information & Cybersecurity
- Resilience & Business Continuity
- Due Diligence & Transactions





CAPITAL & INFRASTRUCTURE ADVISORY

- End-to-End Project Delivery
- Project Development
- PMO Setup and Capacity Building
- Digital Tools & Smart Infrastructure Integration
- Public-Private Partnerships (PPP) & Privatization



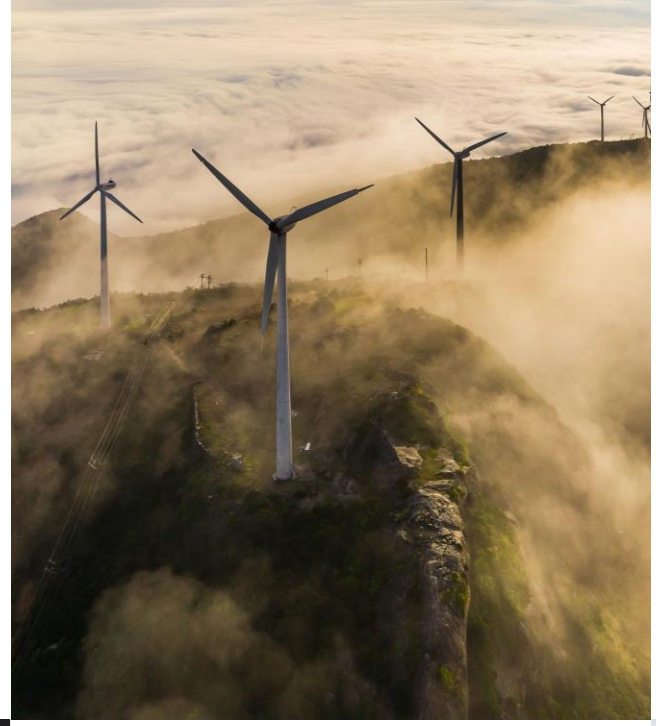
SUSTAINABILITY

- Future Ready Communities
- Renewables & Decarbonization
- Circular Ecosystems
- Smart Grids, Energy Storage & Efficiency
- Waste Management

NEOS ADVISORY

CONSULTING SERVICES

- Due Diligence & Feasibility
- Owner’s/Lender’s Engineering
- Power Generation
- Solar, Wind & Energy Storage
- EPC-M Services
- FEED for Investments
- Proposal & Procurement Support



ENGINEERING & DESIGN SERVICES

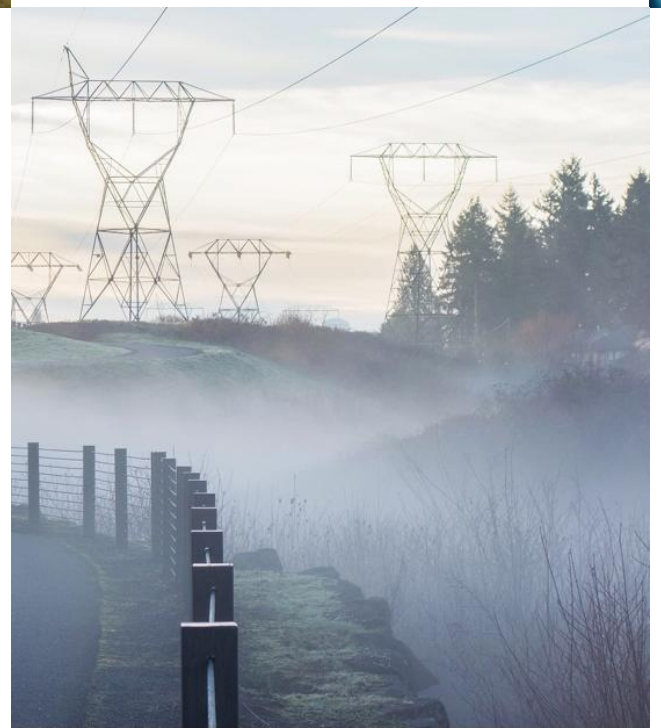
- Power Plants
- Generator Control Systems
- Power Transformers, Generators & Substations
- Process & Piping Engineering
- Stress & Support Engineering
- CAD Design, Drafting & As-Built
- Electrical, Instrumentation & Control





RESEARCH & DEVELOPMENT

- Smart Grids & Digitalization
- Renewable Integration & Flexibility Solutions
- Prosumer Strategy & Emerging Technologies
- System Modeling & Simulation
- Sustainability & Innovation Programs



T&D SERVICES

- Master Planning
- Network Design Projects
- Grid Assessment Studies
- Power System Studies incl. Grid Code Compliance
- Owner’s / Lender’s Engineering
- Ancillary Services

NEOS ENERJİ

Major Clients





CONSULTING SERVICES

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CONSULTING SERVICES

Due Diligence & Feasibility

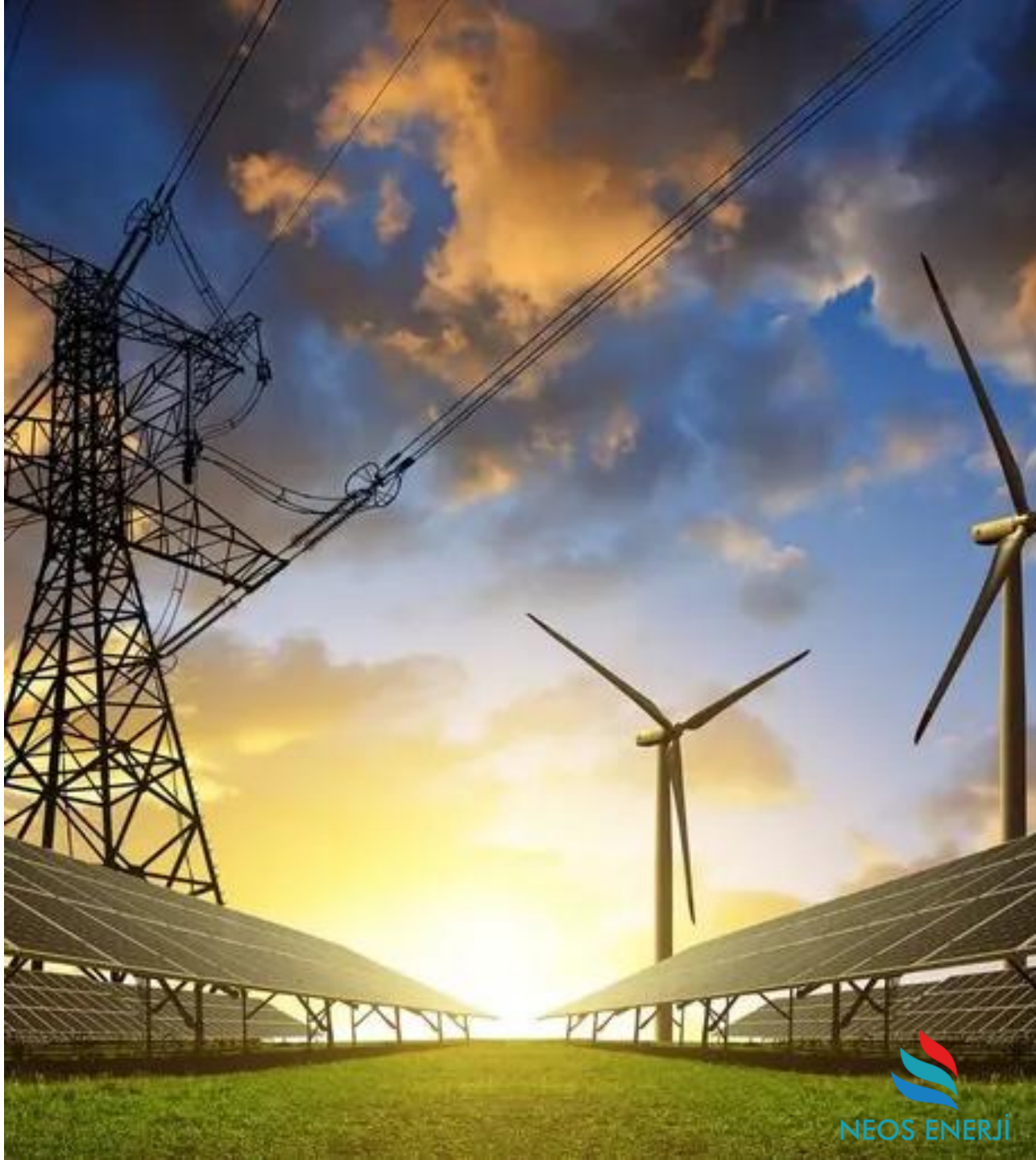
Comprehensive assessment of project viability, covering technical, economic, and regulatory dimensions to ensure informed investment decisions and sustainable outcomes.

— Technical, financial, and regulatory assessment

— Energy yield and performance analysis

— Grid interconnection and compliance studies

— Investment risk and mitigation strategies



CONSULTING SERVICES

Owner’s / Lender’s Engineering

Independent engineering support ensuring design quality, construction integrity, and compliance with technical and contractual requirements across all project stages.

— Design, construction & commissioning oversight

— Independent project review & validation

— Quality, safety & environmental compliance

— Risk management & progress monitoring



CONSULTING SERVICES

Power Generation

Advisory services for optimizing the performance, reliability, and efficiency of conventional and renewable power generation assets.

— Thermal, hydro & renewable project advisory

— Performance & efficiency enhancement

— Lifecycle cost & asset management

— Modernization & retrofitting strategies

— Owner’s/Lender’s engineering

— Project management

— Tender preparation



CONSULTING SERVICES

Solar, Wind & Energy Storage

Specialized consulting in renewable energy development, from resource evaluation to hybrid integration and environmental permitting.

— Full feasibility studies

— Owner’s/Lender’s engineering & due diligence

— Grid connection & power system studies

— Regulatory, permitting & licensing support

— Tendering, procurement & EPC/O&M advisory

— Construction, commissioning & operational readiness



CONSULTING SERVICES

EPC-M Services

End-to-end management of engineering, procurement, and construction processes, ensuring timely, cost-effective, and quality project delivery.

— EPC strategy & implementation planning

— Contract administration & stakeholder coordination

— Quality, cost & schedule control

— Construction monitoring & reporting



CONSULTING SERVICES

FEED for Investments

Front-end engineering and financial definition to support investment-grade decision-making and project bankability.

— Concept development & preliminary design

— CAPEX/OPEX estimation & financial modeling

— Bankability assessment & project structuring

— Optimization for investment readiness



CONSULTING SERVICES

Proposal & Procurement Support

Strategic support throughout bidding and procurement, enabling transparent, competitive, and technically compliant contracting.

— Tender & bid document preparation

— Technical & commercial bid evaluation

— Negotiation & contract finalization

— Vendor qualification & performance review





RESEARCH & DEVELOPMENT

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RESEARCH & DEVELOPMENT

Smart Grids & Digitalization

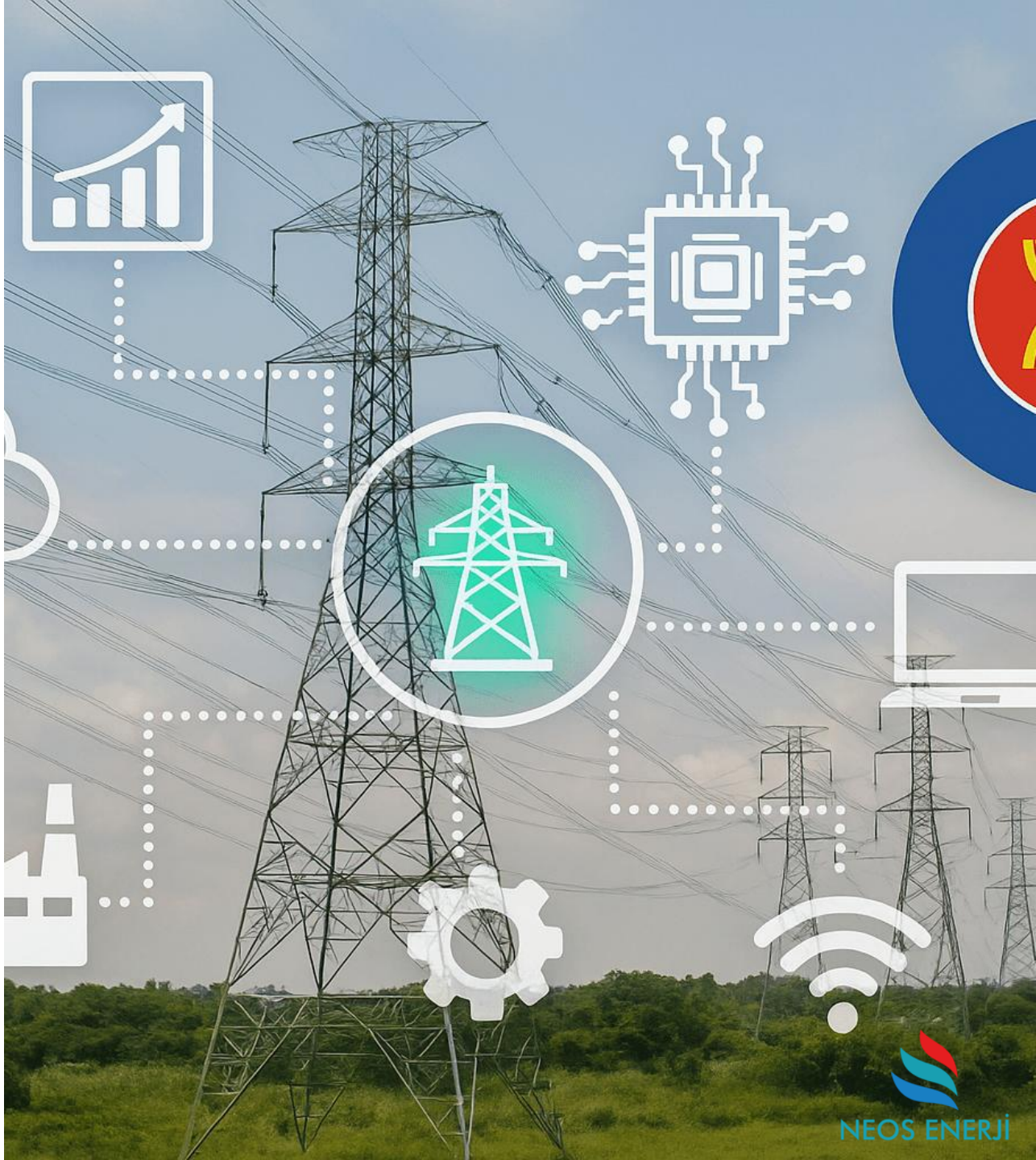
Development of advanced grid architectures, interoperability frameworks, and digital roadmaps to enable data-driven operations and flexibility management

— Grid modernization & automation

— Advanced metering infrastructure (AMI)

— Data analytics & decision support tools

— Digital twin & predictive maintenance



RESEARCH & DEVELOPMENT

Renewable Integration & Flexibility Solutions

Research on high-RES penetration impacts, grid flexibility enhancement, storage modeling, and distributed generation management.

— Grid impact & stability assessment

— Energy storage optimization

— Flexible generation & demand response

— Hybrid system modeling (PV, wind, storage)



RESEARCH & DEVELOPMENT

Prosumer Strategy & Emerging Technologies

Policy and business model development for distributed energy resources (DER), electric vehicles, and demand response participation.

— Distributed energy resources (DER) integration

— EV charging infrastructure & grid impact

— Demand-side management & dynamic tariffs

— Business models for active prosumers



RESEARCH & DEVELOPMENT

System Modeling & Simulation

Use of state-of-the-art analytical tools for network modeling, energy forecasting, and scenario analysis under varying regulatory and market frameworks.

— Power system (static & dynamic) & load forecasting models

— Grid reliability & contingency analysis

— Scenario-based planning tools

— Market and regulatory simulations



RESEARCH & DEVELOPMENT

Sustainability & Innovation Programs

Collaboration with academia and industry partners on pilot projects, demonstration programs, and innovative R&D initiatives in clean energy transition.

— Clean energy transition strategies

— Pilot & demonstration projects

— R&D partnerships with academia/industry

— ESG-driven innovation and reporting





ENGINEERING & DESIGN SERVICES

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ENGINEERING & DESIGN SERVICES

Power Plants

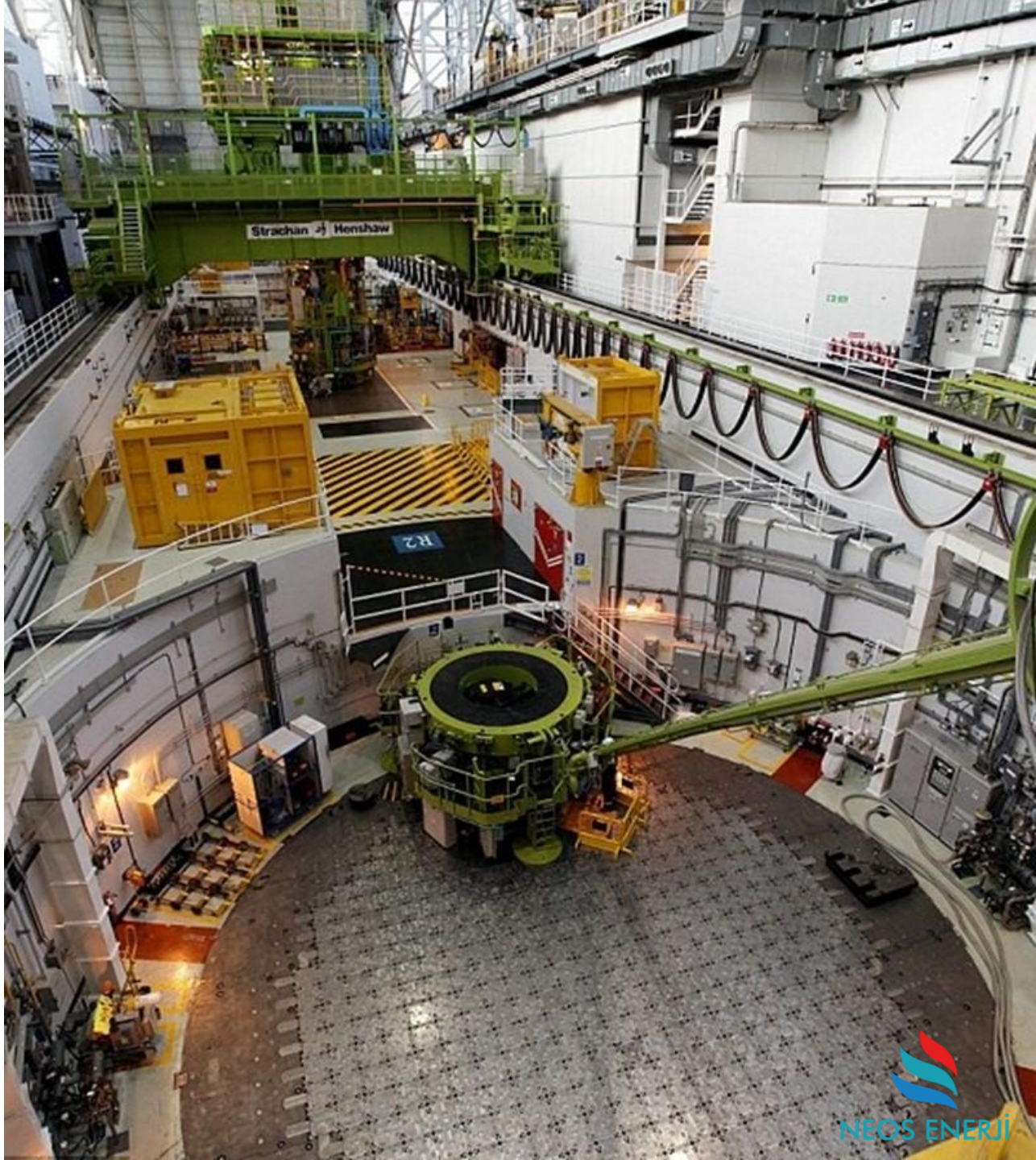
Comprehensive engineering solutions for conventional and renewable power plants, from conceptual design to detailed engineering and performance enhancement.

— Thermal, hydro & renewable systems design

— Plant layout & equipment configuration

— Efficiency optimization & modernization

— Environmental & safety compliance



ENGINEERING & DESIGN SERVICES

Generator Control Systems

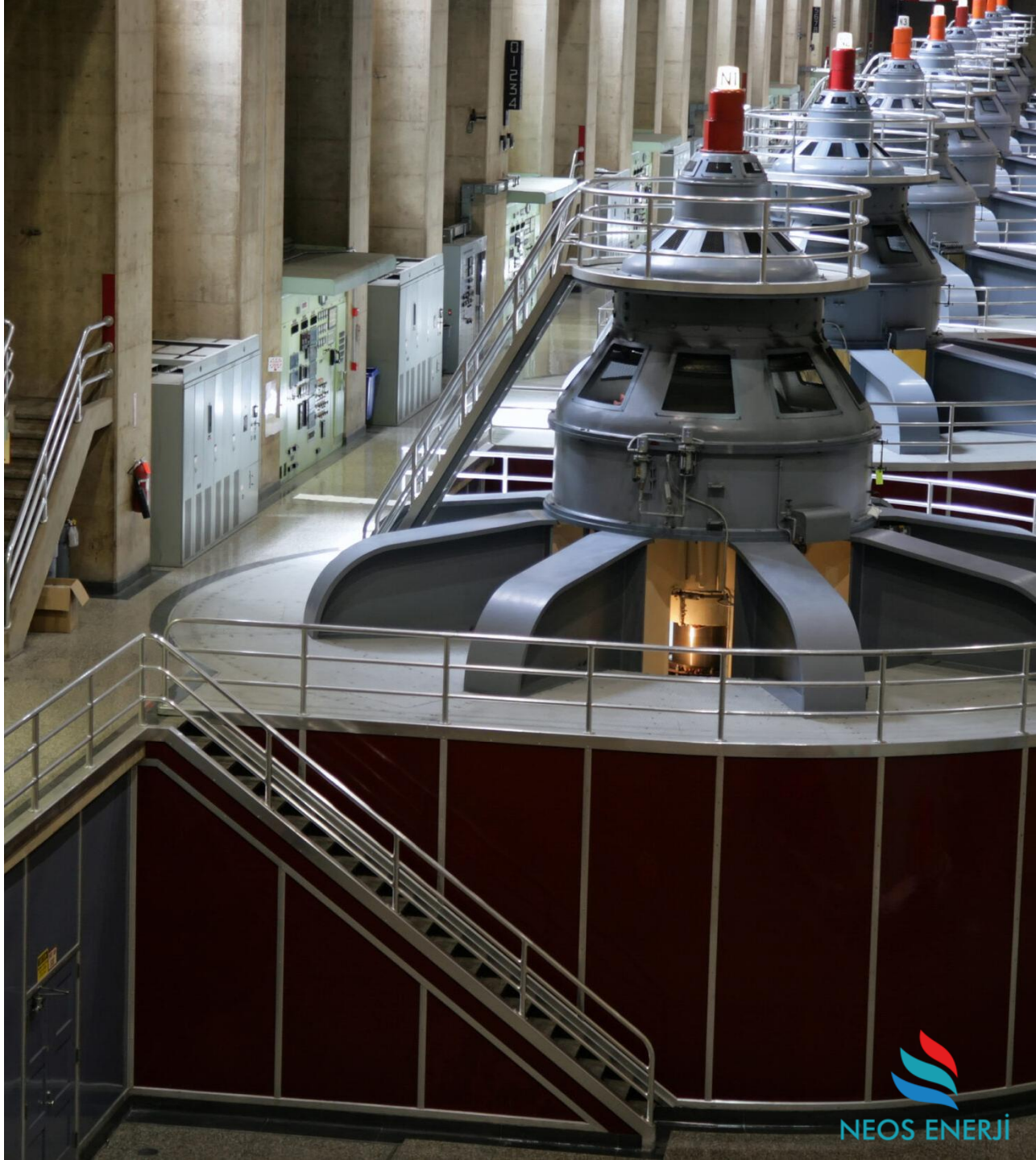
Design and optimization of advanced control systems ensuring stable, efficient, and automated generator operations under diverse grid conditions.

— Governor and AVR design & tuning

— Protection, automation & control logic development

— SCADA & monitoring integration

— Dynamic performance analysis



ENGINEERING & DESIGN SERVICES

Power Transformers, Generators & Substations

Engineering design and performance evaluation of power transformers, generators and substation systems to ensure reliability, safety, and energy efficiency.

— Substation design & interconnection studies

— Protection coordination & earthing systems

— Loss minimization and thermal optimization

— Design review, manufacturing supervision, FAT/SAT support

— Failure investigation and root-cause analysis study (RCA)



ENGINEERING & DESIGN SERVICES

Process & Piping Engineering

Integrated process and piping engineering for energy and industrial facilities, ensuring system efficiency, safety, and maintainability.

— Process flow & instrumentation diagrams (P&ID)

— Stress and flexibility analysis

— Material selection & specification development

— 3D modeling and layout optimization



ENGINEERING & DESIGN SERVICES

Stress & Support Engineering

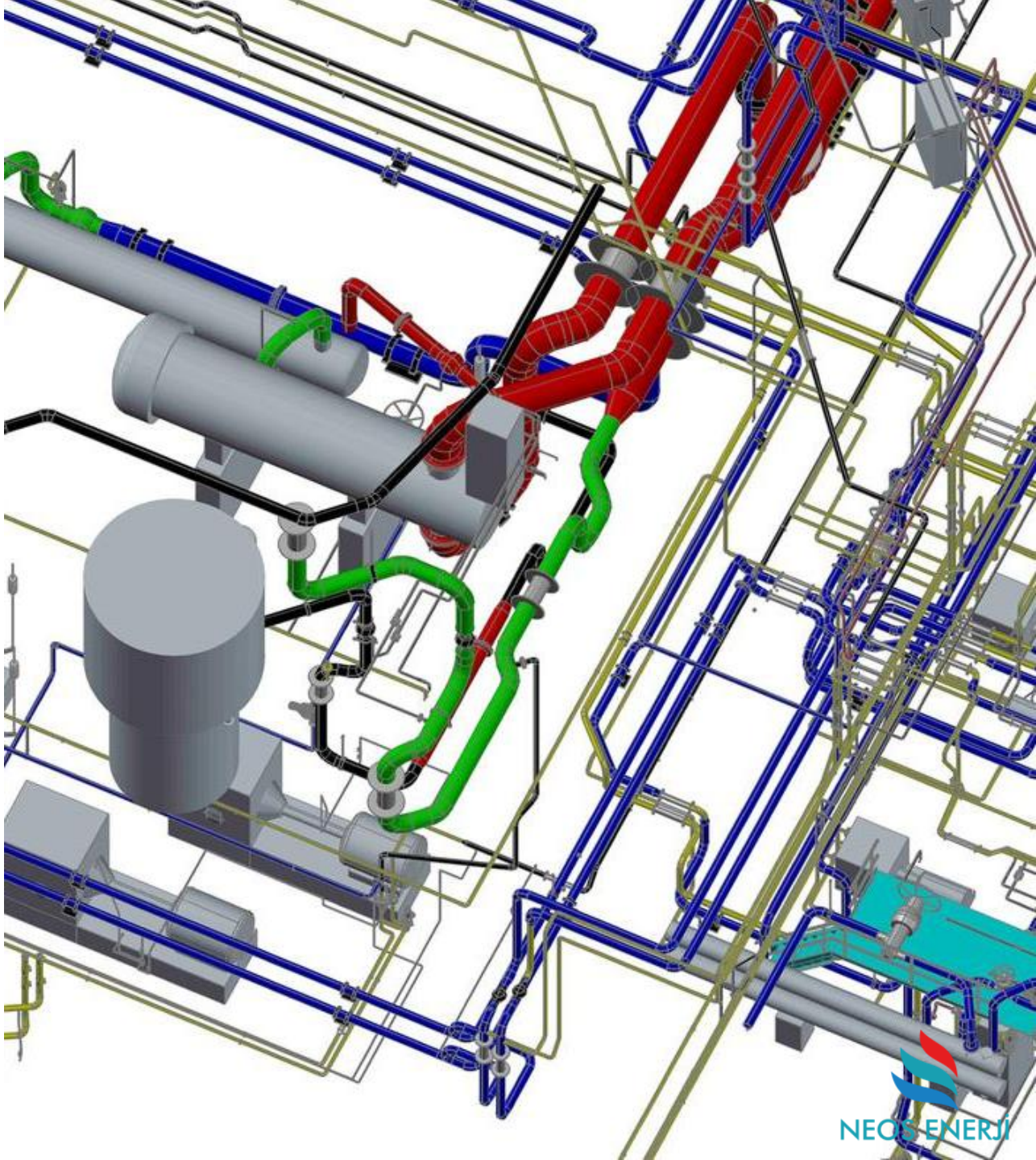
Structural and mechanical integrity assessment for piping and equipment systems, ensuring durability and code compliance.

— Static & dynamic stress analysis

— Pipe support & hanger design

— Finite element analysis (FEA)

— Compliance with ASME, ANSI & API standards



ENGINEERING & DESIGN SERVICES

CAD Design, Drafting & As-Built

Comprehensive multi-discipline design documentation and 3D modeling services supporting precision, coordination, and quality assurance.

— Multi-discipline drafting and document control

— 2D/3D modeling, BIM integration, and design reviews

— As-built documentation & redline updates

— Drawing control & revision management



ENGINEERING & DESIGN SERVICES

Electrical, Instrumentation & Control

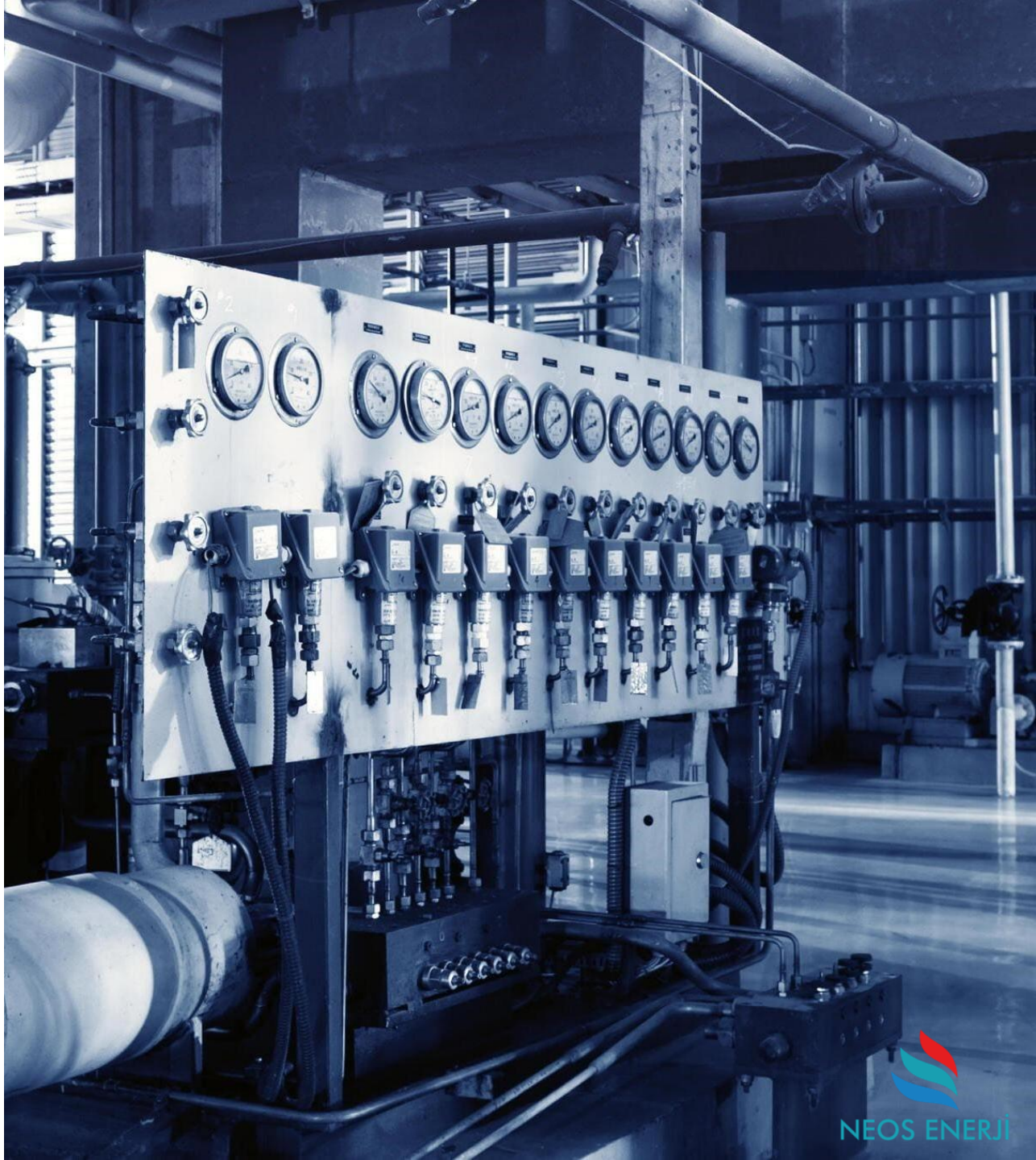
Specialized design for electrical and control systems ensuring operational safety, precision, and automation across energy facilities.

— Power distribution & protection systems

— Instrumentation & control logic design

— SCADA, PLC & DCS integration

— Commissioning & functional testing





T&D SERVICES

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Master Planning

Development of long-term network expansion and reinforcement strategies ensuring system reliability, efficiency, and regulatory alignment.

— Transmission & distribution master plans

— Generation planning

— Demand forecasting & grid analysis

— Investment prioritization & phasing

— Regulatory & environmental alignment



TRANSMISSION AND DISTRIBUTION SERVICES

Network Design Projects

Comprehensive engineering for transmission and distribution networks, covering conceptual, detailed, and construction-level design.

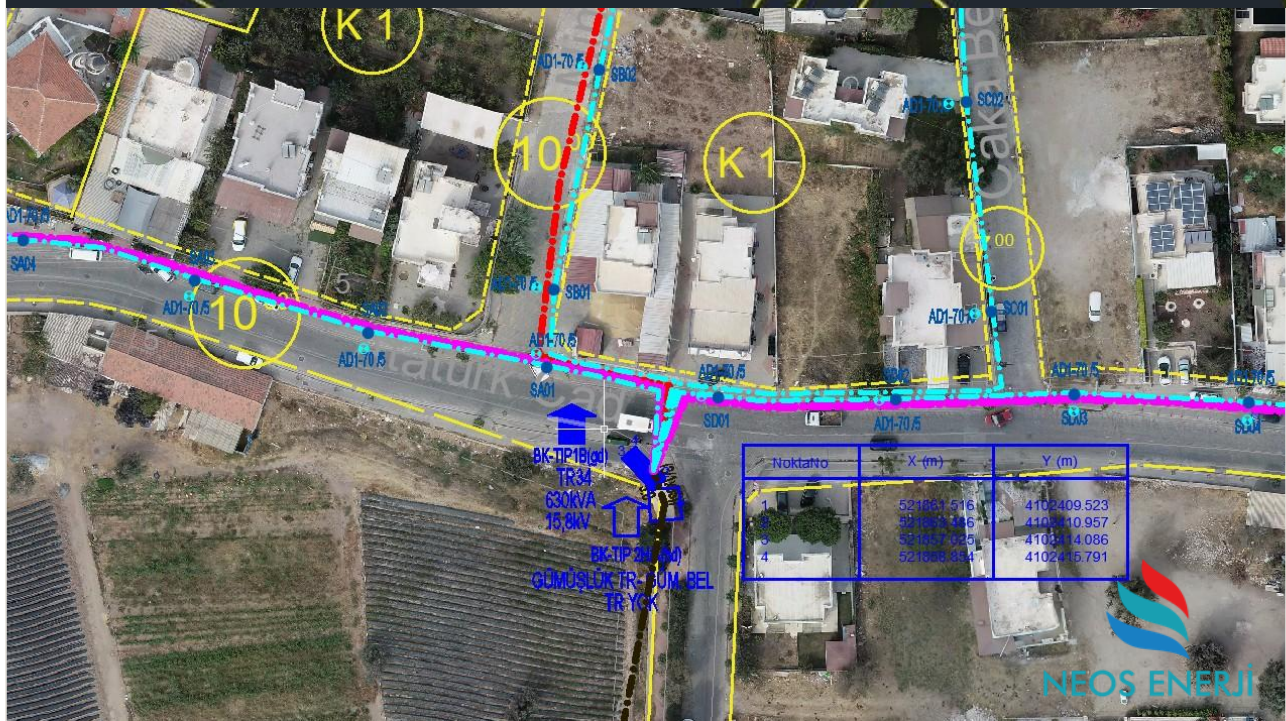
— Substation & overhead line design

— Underground cabling & routing studies

— Equipment sizing & technical specifications

— Integration with existing infrastructure





Grid Assessment Studies

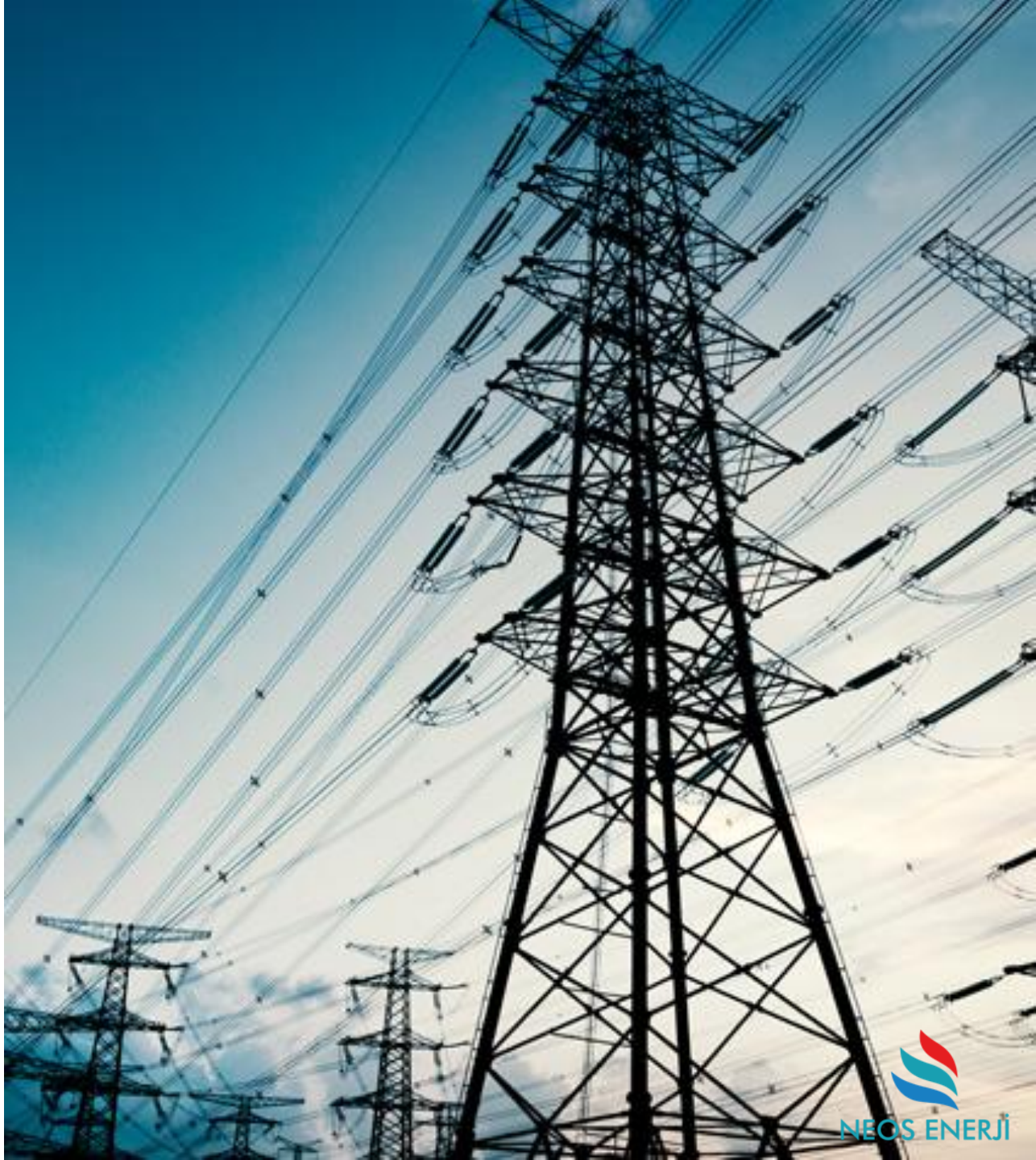
Technical evaluation of grid performance and capacity to enhance reliability, reduce losses, and improve operational flexibility.

— Power flow & contingency analysis

— Voltage stability & short-circuit studies

— Reliability & loss evaluation

— Network reinforcement recommendation



Power System Studies (incl. Grid Code Compliance)

Comprehensive system studies ensuring safe, stable, and compliant operation of power systems under existing and future network conditions.

— Load flow, fault & stability analysis

— Protection coordination & selectivity

— Grid code gap assessment & compliance plan

— Renewable integration & interconnection studies



TRANSMISSION AND DISTRIBUTION SERVICES

Owner’s / Lender’s Engineering

Independent engineering services supporting utilities and investors during project development, procurement, and implementation.

— Technical review & tender documentation

— Design review & construction supervision

— Contractor coordination & progress monitoring

— Testing, commissioning & acceptance support



Ancillary Services

Specialized studies and operational support to maintain system balance, frequency stability, and power quality in modern grids.

— Frequency control & balancing services

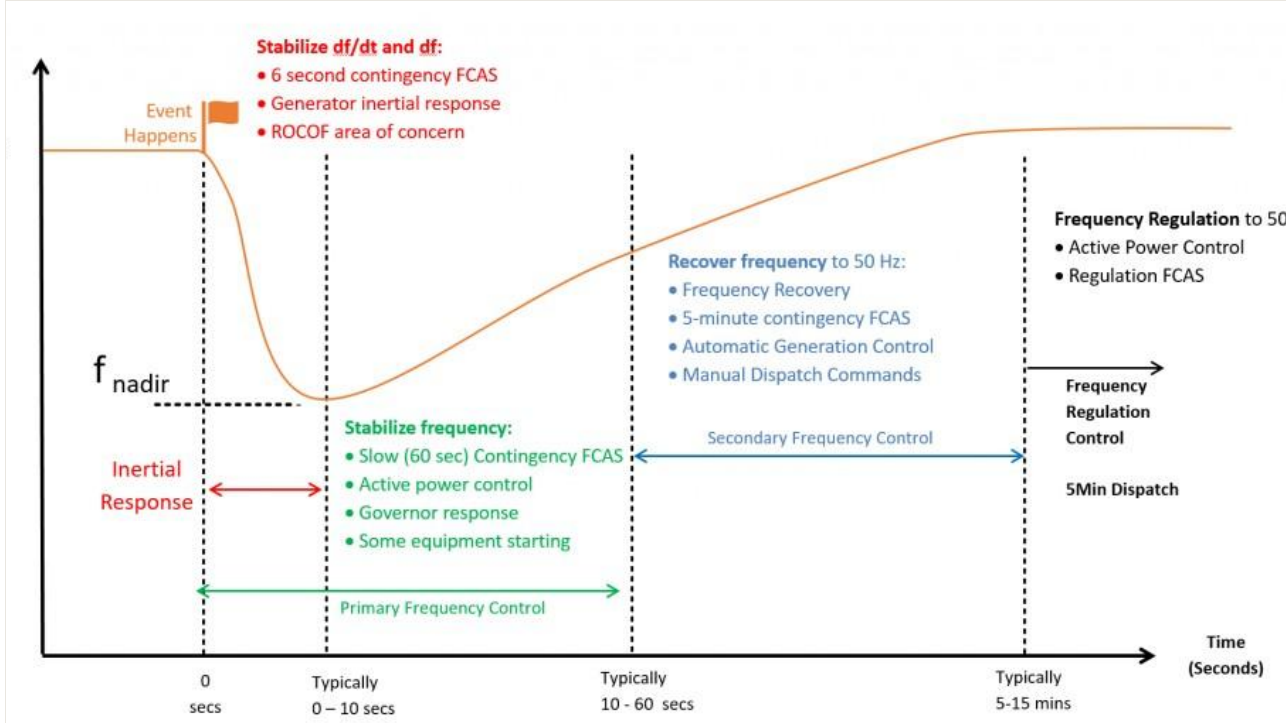
— Voltage control & reactive power management

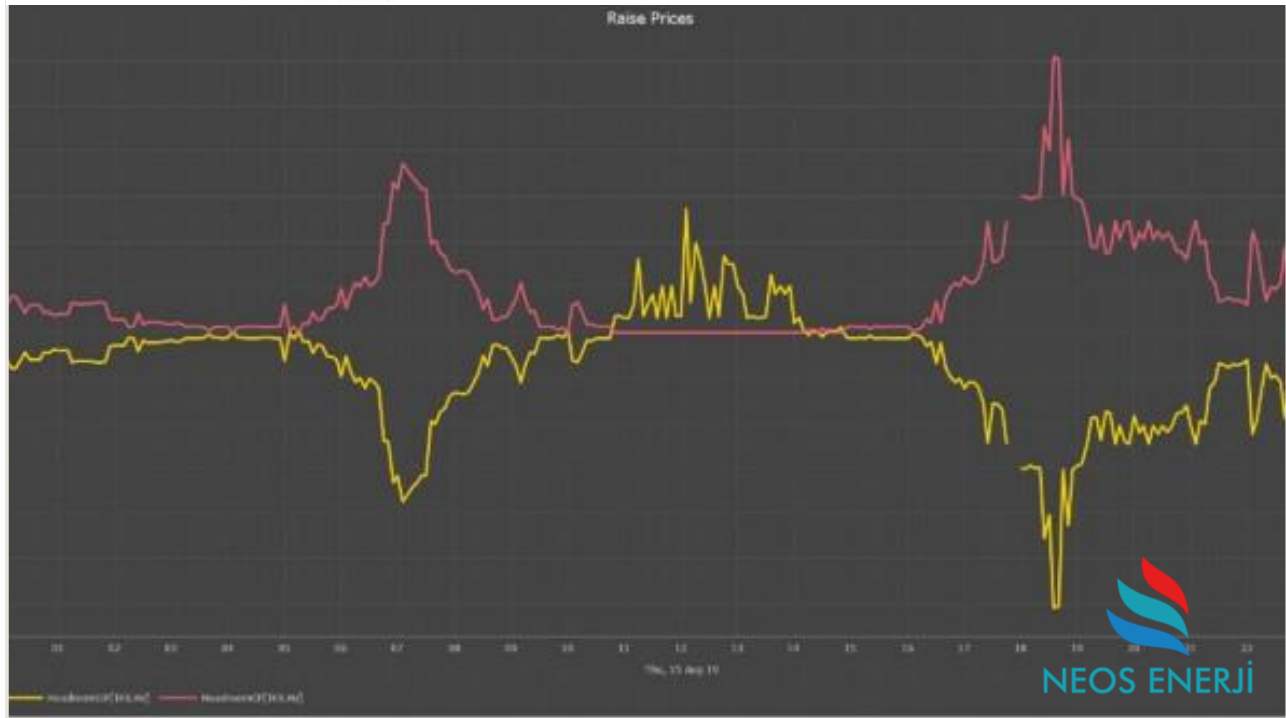
— Reserve capacity planning

— Grid stability & flexibility studies

— Integration of flexible resources (BESS, DR, Hybrid Plants)

— Market-based ancillary service modeling







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