

EKC - Electricity Coordinating Center Ltd.

EKC provides a full range of incorporated strategic business, technical and software services in the area of electric power systems, transmission, distribution and generation and electricity markets.

EKC is a highly regarded, well-known company and reliable partner who delivers high quality consultancy services to its clients on various projects Europe, Middle East, Asia and Africa.

Excellence

We are satisfied with nothing less than the very best in everything we do. We will continue to raise the targets of our work's excellence.

Flexibility

We respond positively to changes and find innovative ways to improve our services.

People

People are our greatest asset. We work together as a team to achieve extraordinary results beyond our individual capabilities.

Integrity

We pride ourselves in being honorable, trustworthy and credible.

Electricity Coordinating Center (EKC) was established in 1993 with the mission to coordinate operation and control of the interconnected power systems in South East Europe.

Peculiarities and challenges of the interconnected power system operations led to the establishment of the EKC Studies and Consulting Department in 1997. This further increased the quality of EKC's existing services within region of South-East Europe and further extended company's profile. Ever since then, EKC has been successfully growing its engineering consultancy capability.

Initially, our engineering consultancy services were mainly provided to the founders of EKC. However, the quality of our products and their delivery at highest professional standards very soon attracted attention of many European power utilities, international governmental and non-governmental organizations, banks and international funding agencies, as well as large consultancy firms with whom we established long lasting cooperation.

Engineering consultancy is our primary business activity since 2007. Today, EKC is a well-known and world-wide recognized consultancy company with comprehensive portfolio of successfully delivered projects in Europe, Black Sea Region and Central Asia, Near and Middle East and Africa.

In addition to our engineering consultancy services, EKC has developed various software tools currently used on various projects throughout Continental Europe (TPC, TNA, MERLIN, BETSEE, MaCSim).

EKC portfolio of consultancy services provides solutions for a large spectrum of engineering problems in power sector.

TRANSMISSION AND DISTRIBUTION SYSTEMS

Network master plans
Power system studies (Steady state , Dynamics, Stability, Reliability, Harmonics)
Development of interconnections and regional electricity exchanges
Grid Code, policy and recommendations

CONVENTIONAL AND RENEWABLE ENERGY INTEGRATION

Integration of power plant to power system
Renewable sources (connection to electrical grid)
Management and control of electricity production

POWER GENERATION AND ELECTRICITY MARKET

Optimization of thermal / hydro / RES generation
Electricity market analyses and prices forecast
Congestion management
Cross-border trade mechanisms
Balancing mechanisms
Cost benefit analyses

POWER QUALITY

Development of monitoring program
Device installation and monitoring
Data analysis (P-f, transients, fault analysis, PF, flicker, voltage, unbalance, harmonics)
Evaluation of power quality, setting guidelines for national standards

SYSTEM MONITORING AND CONTROL

Power system monitoring and control advisory and analytical services
Preparation of Tender Documents and Technical Specifications
Assistance with evaluation of Bids and Contract negotiations
Supervision and monitoring during the Project Implementation

SOFTWARE SOLUTIONS

Network data processing
Load flow and transmission capacity calculation (NTC,PTDF/MF), DACF
Short circuit calculations

EDUCATION AND TRAINING

Educational trainings
Professional trainings
Education Center

EKC's basis of success:

...Having the right information at the right time...

Software tools EKC is licensed with:



Project Highlights	Client	
400 kV line SS Bajina Bašta-SS Kraljevo (Serbia) Feasibility & ESIA Study	Mott MacDonald, United Kingdom	2017
Launch of Transmission System Organization in Tanzania: Training, Model development and Analysis	USEA, USA	2017
Procedure for Compliance Testing of Power Park Modules (MNE)	CGES, Montenegro	2016
Modular Development Plan of the Pan-European Transmission System 2050	ENTSO-E	2015
H2020: "Future Flow" - Designing eTrading Solutions for Electricity Balancing and Redispatching in Europe	European Commission, Belgium	2017
"Smarter grid": losses optimization in real time	EMS, Serbia	2016
TNA TSCNet	TSCNet, Germany	2016



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