25 Years of experience - Creating better energy and climate future
OUR GOAL

to be recognized as the centre of excellence in the field of energy planning, analysis and environmental protection in the wider region
THE INSTITUTE’S AREAS OF ACTIVITY

- Strategic planning in the energy sector
- Development of electric-power, gas, petroleum and heating systems
- Market, legal framework and restructuring of the energy sector
- Energy audits of constructions and certification of buildings

- Renewable energy sources, environmental and climate protection
- Energy efficiency
- Energy balances and statistics
- In-service training and promotional activities
• Preparing regional strategic documents and action plans
• Preparing national energy development strategies and national action plans
• Preparing national sectoral strategic documents and national sectoral action plans
• Preparing regional energy development strategies and regional action plans
• Preparing municipal or city development plans
• Preparing the technical basis for strategic planning of the development of companies in the energy sector.
DEVELOPMENT OF ELECTRIC-POWER, GAS, PETROLEUM AND HEATING SYSTEMS

- Development of energy networks development plans
- Development of energy system master plans
- Feasibility studies for the construction of power plants
- Operation optimization of a part of or the entire energy system
- Calculation of the potential power plant output
- Analyses of the energy supply quality
- Analyses of the safety and reliability of energy systems operation
- Technical and economic analyses of the impact of installation of various equipment in energy systems
- Conducting surveys and studies on connecting renewable energy plants other production plants and consumers to the power-supply network
MARKET, LEGAL FRAMEWORK AND RESTRUCTURING OF THE ENERGY SECTOR

- Analysis of market potentials for particular energy companies
- Benchmarking analyses of system operators and operational events statistics
- Preparation of bases for the calculation of energy networks utilization fees
- Provision of expert opinion in lawsuits
- Tariff policy and tariff methodologies
- Preparation of legislative bases for legislation and supporting legislation
- Drafting legislation and supporting legislation
- Restructuring, organization and refinancing of energy companies
• Data collection and development of energy balances of the Republic of Croatia
• Data collection and development of energy balances on the level of counties, cities and lower administrative units
• Conducting opinion polls on energy consumption in the final consumption sectors
• Calculation of energy efficiency indicators, Adaptation of the national statistics systems in other countries to international standards (IEA/EUROSTAT/UNSD)
  • Development of methods for energy data collection (monthly/quarterly/annual reports, opinion polls on energy consumption)
  • Development of methods for the preparation of energy statistics: integrated energy balances, monthly statistics, price statistics, energy efficiency indicators)
• Research and assessment of energy potential of particular renewable energy sources
• Environmental impact assessment for energy plants
• Measurement of available resources, research and assessment of energy potential of renewable energy sources, bankable studies of potential for the commercial sector
• RES plants site selection and evaluation
• Consultation on the choice of technology and project solution for the planned power plants
• Market analyses and research, assessments and forecasts for public and commercial sectors
• Project due diligence prior to financial closing or in the process of taking over, sell-side and buy-side consulting
• Conducting studies and preparation of technical bases in the field of climate change mitigation and adaptation
• Models of financing the climate change mitigation and adaptation
Research and assessment of energy potential (energy systems, building design and construction, industry, traffic)
Organizing and implementing projects and programmes
Action plans
ENERGY AUDITS AND CERTIFICATION IN BUILDING, SERVICE AND INDUSTRY SECTOR

- Development of energy audit methodologies
- Conducting energy audits and certification
- Energy certificates control and professional training
• Organization of professional, scientific and promotional conferences
• Preparing, organizing and conducting specialist opinion polls
• Public opinion polling
• Permanent in-service training
• Publishing manuals and guidebooks
EIHP DELIVERS

Around 200 PROJECTS
(studies, elaborations, analyses etc.)
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• Strategy Alternatives and their General

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High-Performance Transmission Planning Application for the Power Industry

python

RETScreen® International

ISO

International Organization for Standardization

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eProjekt

PostgreSQL

SQL Server

PLEXOS Desktop Edition

T*SOL Pro

WindFarmer

V5.2

Wind farm design software

WAsP 11

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• Agrokor d.d.
• Cities (Zagreb, Zadar...)
• Clinical Hospital Center (KBC Rebro Zagreb)
• Croatian Electric Company (HEP)
• Croatian Motorways
• District heating companies
• Energy Community Secretariat
• EPHZHB
• European Bank for Reconstruction and Development
• European Commission
• FAO
• Government of Republic of Croatia
• Government of Republic of Montenegro
• Government of the Republic of Bosnia and Herzegovina and Entities
• HEP Energy Service Company (HEP ESCO)
• HERA – Croatian Energy Regulatory Agency
• HOPS – Croatian Transmission System Operator
• HROTE – Croatian Energy Market Operator
• IAEA
• IEA
• INA – Oil Industry
• JANAF d.d. (Oil transport operator)
• KESH, Albania
• KfW Bankengruppe
• Končar d.d.
• KOSTT – Kosovo Transmission System Operator
• MEPSO – Macedoniana Transmission System Operator
• Mining Company Banovići, Bosnia-Herzegovina
• Ministry of economy of Republic of Croatia
• Ministry of infrastructure od Republic of Slovenia
• Ministry of regional developemnts on EU funds of Croatia
• NOS BiH – Transmission System Operator of BiH
• Numerous private companies and RES project developer
• Plinacro d.o.o. (Gas transmission operator)
• Privredna banka Zagreb d.d. (Member of Intes Sanpaolo Group)
• Regional Environmental Centre for Central and Eastern Europe
• T – HT d.d. (Member of Deutsche Telekom Group)
• UNDP
• UNIDO
• USAID
• USEA
• Utility services providers
• Zagrebačka banka d.d. (Member of Unicredit Group)
• World Bank

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