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MAIN STUDIES ON NATIONAL PROJECTS

- 2008 – 2011** **Partnerships in priority fields “Energy for clean town” (EPOC)**
Partners: UPT (Polytechnical University Timișoara (coordinator)
 ISPE – Institute for Studies and Power Engineering
 COLTERM
 OVM-ICCPET
 ECOPROIECT
 ENINVEST
 CCIR – Romanian Chamber of Commerce and Industry
Client: Romanian Ministry of Education and Research
- 2007 – 2011** **PNCD II “Integrated system to determine and reduce CO₂ emission and energy and materials consumption at metallurgic and power companies “ (SIDREC)**
Partners: ICEM - Institute of Metallurgical Research (coordinator)
 ISPE – Institute for Studies and Power Engineering
 UPB (Polytechnical University Bucharest)
 ENINVEST
Client: Romanian Ministry of Education and Research
- 2007 – 2011** **PNCD II “Sustainable energy development strategies using lifetime cycle analysis of primary energy conversion technologies” (STENDUR)**
Partners: UPB (Polytechnical University Bucharest) (coordinator)
 ISPE – Institute for Studies and Power Engineering
 ICEMENERG
 IPA Bucharest
 Academy of Scientists (AOS)
Client: Romanian Ministry of Education and Research
- 2008 – 2010** “PASSIVE HOUSES adequate to the Romanian climate”
Partners: *ISPE – Institute for Studies and Power Engineering* (coordinator)
 UPB (Polytechnical University Bucharest)
 UAUIM (Universitatea de Arhitectură și urbanism Ion Mincu)
 UTCB (Universitatea Tehnică de Construcții București)
 ICPE
 AOS
 AGEKOM
Client: Romanian Ministry of Education and Research
- 2008 – 2010** „Climate-energy laws package impact on industrial activities”
Coordinator: *ISPE – Institute for Studies and Power Engineering*
Client: Romanian Ministry of Economy
- 2008 – 2009** „Study related to specific consumptions (energy by product unit) achievement in important sectors of economy”
Partners: ICEMENERG (coordinator)
 ISPE – Institute for Studies and Power Engineering
Client: Romanian Ministry of Economy
- 2008 – 2009** „Study related to the substantiating of the Action Multiannual National Plan for promoting renewable sources for the fulfilment of tasks assumed by the energy-environment laws package”
Partners: ICEMENERG (coordinator)
 ISPE – Institute for Studies and Power Engineering
 ICPE
Client: Romanian Ministry of Economy



- 2008 – 2009** „Study on CO₂ emissions forecast for electricity Romanian producers during 2009-2020 and impact on electricity price”
Partners: *ISPE – Institute for Studies and Power Engineering* (coordinator)
 ICEMENERG
Client: Romanian Ministry of Economy
- 2007 - 2008** „Clean coal technologies, including carbon capture and storage”
Partners: *ISPE – Institute for Studies and Power Engineering* (coordinator)
 FORENERG
Client: Romanian Ministry of Economy and Finance
- 2007 - 2008** „The impact of EU ETS scheme on the competitiveness of companies”
Partners: *ISPE – Institute for Studies and Power Engineering* (coordinator)
 ENINVEST
Client: Romanian Ministry of Economy and Finance
- 2007-2008** „Assesment study of system and elaboration of a supporting soft for monitoring and reporting in real time of greenhouse gases (GHG) ”
Partners: *ISPE – Institute for Studies and Power Engineering* (coordinator)
 ENINVEST
 ATMOTHERM /Poland
Client: Romanian Ministry of Sustainable Development and Environment
- 2007 – 2008** Using waste water from Rosia de Jiu coal quarry dewatering system in the process steam cooling system of Rovinari Power Plant
Consultant: *ISPE – Institute for Studies and Power Engineering*
Client: Romanian Ministry of Economy and Finance
- 2007 – 2008** **Partnerships in priority fields** „Increasing electricity security of supply using management soft models” (E-ENERGY)
Coordinator: Romanian Chamber of Commerce
Partner: *ISPE – Institute for Studies and Power Engineering*
Client: Romanian Ministry of Education and Research
- 2007** „Scenarios on air quality evolution further to the implementation of emissions reducing measures provided by the Environmental/Integrated Environmental Permits of industrial companies”
Consultant: *ISPE – Institute for Studies and Power Engineering*
Client: Romanian Ministry of Sustainable Development and Environment
- 2006 – 2008** **Top Research (CEEX)** “Optimization of turning-to-account the energy potential of waste to obtain clean energy in Romanian industrial facilities” (OVAPED)
Partners: UPT (Polytechnical University Timisoara) (coordinator)
 UPB
 SAVPROD
ISPE – Institute for Studies and Power Engineering
 ICPET ECO
 UTCB
 ECOPROIECT
 PIFATI
Client: Romanian Ministry of Education and Research
- 2006 – 2008** **Top Research (CEEX)** “Promotion of clean technologies to adapt and restore the environmental factors within a integrated system for arranging the houses specific to the Danube Delta” (ECOLOCDD)
Partners: ICEMENERG Bucharest (coordinator)
ISPE – Institute for Studies and Power Engineering
Client: Romanian Ministry of Education and Research



2006 – 2008	<p>Top Research (CEEX) “Modeling the power process characterized by variable loads in buildings and power supply systems” (ENERGSYS) Partners: UTCB (coordinator) <i>ISPE – Institute for Studies and Power Engineering</i> UPB RADET INCERC</p> <p>Client: Romanian Ministry of Education and Research</p>
2006 – 2008	<p>Top Research (CEEX) “Researches related to small and medium power combined generation – cogeneration, trigeneration efficiency increasing” (ECOENCOMB) Partners: UPB (coordinator) INCERC <i>ISPE – Institute for Studies and Power Engineering</i> OVM ICCPET INCD COMOTI UTCB</p> <p>Client: Romanian Ministry of Education and Research</p>
2006 – 2007	<p>„Restructuring the power generation field in Romania for the safety and competitiveness growing – phase II – Development of the power generation field” Consultant: <i>ISPE – Institute for Studies and Power Engineering</i> Client: Transelectrica National Company</p>
2006	<p>“The effects of the sludge from waste water installations when are used in agriculture ” Consultant: <i>ISPE – Institute for Studies and Power Engineering</i> Client: Romanian Ministry of Sustainable Development and Environment</p>
2006	<p>“Verification methodology for reusing and recycling the vehicles out of service” Consultant: <i>ISPE – Institute for Studies and Power Engineering</i> Client: Romanian Ministry of Sustainable Development and Environment</p>
2005 – 2007	<p>Top Research (CEEX) - “Clean development technologies to generate electricity using coal” (TECEBAC) Partners: UPB UPT ICPET CA ICPET ECO OVM ICPET ICEMENERG ICSI Ramnicu Valcea <i>ISPE – Institute for Studies and Power Engineering</i></p> <p>Client: Romanian Ministry of Education and Research</p>
2005 – 2006	<p>„Developing and updating the National Power Observer data base – phase III – Power consumption forecasting in compliance with Romanian economy evolution” Consultant: <i>ISPE – Institute for Studies and Power Engineering</i> Client: Romanian Ministry of Education and Research</p>
2004 – 2006	<p>MENER “Modern European level technologies in waste management with PCB from electrical equipment (PCB-TEHNO-ECOMANAGEMENT)” Partners: ICPE Bucharest (coordinator) SC ECOPROIECT SRL; <i>ISPE – Institute for Studies and Power Engineering</i> ICECHIM; CCSANBCE SA SC CALORIS GRUP SA</p> <p>Client: Romanian Ministry of Education and Research</p>
2004 – 2006	<p>MENER “Research regarding the combined burning of urban wastes or biomass with coal. Waste gases treatment” Partners: UPT <i>ISPE – Institute for Studies and Power Engineering</i></p> <p>Client: Romanian Ministry of Education and Research</p>



- 2004 – 2006** **MENER** “Developing of an energy crops (renewable source) on non-productive soils for agriculture, in order to verify both the species resistance and the possibility to plant forestree with rapid growth in damaged soil”
Partners: ICAS – Forest Research and Management Institute
ISPE – Institute for Studies and Power Engineering
Client: Romanian Ministry of Education and Research
- 2004** “GHG reduction impact assessment and forecasting”
Consultant: **ISPE – Institute for Studies and Power Engineering**
Client: ICIM SA
- 2003 – 2005** **MENER** “Implementing of an incinerator for solid wastes inside a power plant”
Consultant: **ISPE – Institute for Studies and Power Engineering**
Client: Romanian Ministry of Education and Research
- 2003 – 2004** **MENER** “Modernization of the electrostatic precipitator of the steam boiler of 1035t/h operating on lignite, in order to increase its performances (from 180 mg/Ncm to 50 mg/Ncm)”
Consultant: **ISPE – Institute for Studies and Power Engineering**
Client: Romanian Ministry of Education and Research
- 2001 – 2004** **MENER** “Ecological instalation for incineration of different wastes, type: elastomers, plastics, organic liquids and residential wastes”
Partners: ICPE SA
ICECHIM
CCSANBCE
ISPE – Institute for Studies and Power Engineering
Client: Romanian Ministry of Education and Research
- 2001 – 2004** **MENER** “Models and software for simulating the operation in due time for different loads of the steam boiler of 1035 t/h”
Consultant: **ISPE – Institute for Studies and Power Engineering**
Client: Romanian Ministry of Education and Research

For further information:

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