

Name of the Firm	Center for energy efficiency and sustainable development Ltd. – CEEFOR Ltd. Belgrade Centar za energetske efikasnost i održivi razvoj d.o.o., - CEEFOR d.o.o., Beograd					
Project Reference No. 2	Project Title	Reconstruction and upgrade of ammonium cooling system in medium sized company Planter Ltd.			Dates (start/end)	March 2012/ March 2012
Country	Overall project value (EUR)	Proportion carried out by firm (%)	No of staff provided	Name of the client	Origin of Funding	Partners if any
Serbia		100%	8	„Green for Growth Fund“ and Čačanska bank Serbia	EIB and KfW	/
Detail description of Project				Type of Services Provided in Verification Audit		
<p>In March 2012, CEEFOR d.o.o. was assigned by Čačanska Bank as a consultant to perform Energy Audit for medium-size company “Planter Ltd.”, form Šabac, Serbia. The aim of the project was to perform Verification Energy Audit in client firm, and evaluate energy saving and reduction of CO2 emissions in order for loan approving by the Bank. The condition of the loan was to reduce energy consumption and / or CO2 emissions by 15%</p> <p>The company was using a piston compressors form 1998 year, which were not effectively used in refrigeration system with ammonia for the chamber for freezing or cooling fruits / fruits mash. Company wanted to install new compressor unit and evaporative evaporator to achieve CO2 and energy consumption reduction.</p> <p>After applied EE measure company had achieved reduction of CO₂ by 557,000 kg CO2/annually which is 30.17% also they achieved reduction in primary energy use by 677,040 kWh annually which is 30.17% in comparison to the old system. Total costs of investment were 200.000,00 Eur.</p> <p>In May, 2012 CEEFOR Team was assigned again by Čačanska Bank as a consultant to perform Holistic energy Audit for Planter Ltd. During Holistic Energy Audit were analysed:</p> <ul style="list-style-type: none"> • Usage of energy in facility • Thermal analysis of building • Steam boiler and steam installation analysis • Lighting analysis • Measurement and analysis of quality of supply voltage input and nature consumer load <p>After detailed analysis of systems in plant CEEFOR Team proposed measures for reconstruction and presented it to the bank and to the company.</p>				<ul style="list-style-type: none"> • Inspection of project location • Data gathering • Interview with employees to determine a real state in plant • Analysis of project documentation • Analysis of project designs • Calculation of CO2 and energy reduction • Development of Verification Audit report on • Reporting and presentation to the bank <p>Type of Services Provided in Holistic Audit</p> <ul style="list-style-type: none"> • 3 days visit to the company • Data gathering • Interview with employees for data obtaining • Detailed measurements of systems in plant • Detailed analysis of gathered data • Development of measures that can be applied to systems • Developing report of Holistic Audit • Reporting and presentation to the bank 		