

Selected Energy Conservation Projects

YEAR	CUSTOMER	PROJECT	COUNTRY
2006-	Rovaniemen Energia Oy	Energy Auditing for a power plant	Finland
2006-	Rautaruukki Oyj, Hämeenlinna	Energy auditing for a steel industry plant, phase 1	Finland
2006-	Kemira Oyj, Oulu	Energy auditing for a chemical production plant, phase 1 Energy auditing for a power plant of Laanilan Voima Oy	Finland
2006-	MeadWestvaco Corporation	Energy auditing for an integrated pulp & paper mill and power plant	USA
2005	Motiva Oy	Benchmarking and Energy Management Schemes for SMEs (BESS) Piloting in five companies in meat processing industry	Finland
2005-	Componenta Oyj, Pietarsaari	Energy auditing for an engineering workshop	Finland
2005-	M-real Oyj, Alizay	Energy auditing for an integrated pulp & paper mill and power plant	France
2005-	E.ON Finland Oyj, Espoo	Energy auditing for a power plant	Finland
2005	Motiva Oy ITRI	Energy auditing seminar for ITRI in Taiwan	Taiwan
2005-	Rautaruukki Oyj, Lappohja	Energy auditing for a steel industry plant	Finland
2005-	Rautaruukki Oyj, Äminnefors	Energy auditing for a steel industry plant	Finland
2005-	Several industrial clients	Compressed air system analyses	
2005-	Uponor Suomi Oy, Nastola	Energy auditing for a plastic industry plant	Finland
2005	Motiva Oy	Study of electricity conservation objectives by device group – Lighting	Finland
2005-	Stora Enso Oyj, Laminating Papers, Kotka	Energy auditing for a pulp mill and chemical recovery line	Finland
2005-2006	Jyväskylän Energiantuotano Oy, Jyväskylä	Energy auditing for power plants	Finland
2005-	J.M. Huber Suomi Oy, Hamina	Energy auditing for a chemical industry plant	Finland
2005-	Enocell Oy, Uimaharju	Energy auditing for a power plant	Finland
2004	Motiva Oy	Energy auditing seminar for ITRI in Taiwan	Taiwan
2004-2005	Motiva Oy	Study of electricity conservation objectives by device group in service sector and industrial SMEs	Finland

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2004-2005	Componenta Oyj, Iisalmi	Energy auditing for a steel foundry	Finland
2004-2005	Componenta Oyj, Karkkila	Energy auditing for a steel foundry	Finland
2004-2005	Helsingin Tekstilipalvelu, Helsinki	Energy auditing for a textile care service plant	Finland
2004-2005	Stora Enso Oyj, Heinola	Energy auditing for a power plant	Finland
2004-2005	Stora Enso Oyj, Varkaus	Energy auditing for a power plant	Finland
2004-2005	Valio Oy, Vantaa	Energy auditing for a food industry plant	Finland
2003-2005	Valio Oy, Joensuu	Energy auditing for a dairy industry plant	Finland
2003-2004	Motiva Oy	Procurement guidelines for high-efficiency motors Feasibility calculations for procurement of high-efficiency motors	Finland
2003-2004	Motiva Oy	Procurement guidelines for high-efficiency motors Feasibility calculation for procurement of high-efficiency motors	Finland
2003-2004	Energy Conservation Advisory Board of City of Helsinki	Municipal renewable energy auditing for City of Helsinki	Finland
2003-2004	Valmet Automotive Inc., Uusikaupunki	Energy auditing for an automobile factory	Finland
2003-2004	Hartwall Oyj, Lahti	Energy auditing for a beverage industry plant	Finland
2003	Stora Enso Oyj, Imatra	Energy auditing for a power plant	Finland
2003	Appleton Coated	Energy auditing for a power plant and paper mill	USA
2003	Mondi Merebank	Energy auditing for a power plant	South Africa
2003	EBRD	Kombinat Aluminijuma Podgorica, Preliminary environmental auditing and energy review for an aluminium plant (alumina & aluminium production, refining)	Serbia and Montenegro
2003	Kankaanpään Kaukolämpö Oy, Kankaanpää	Energy auditing for a power plant and paper mill	Finland
2003	Ekokem Oy, Riihimäki	Energy auditing for a hazardous waste treatment plant, phase 2	Finland
2002-2003	Nokian Lämpövoima Oy, Nokia	Energy auditing for a power plant	Finland
2002-2003	Metso Paper Oy, Järvenpää	Energy auditing for a paper machine factory (calendars, coaters and reels, paper finishing systems)	Finland
2002-2003	Sulzer Pumps Finland Oy	Energy auditing for a steel foundry	Finland
2002-2004	Finnfeeds Finland Oy	Energy auditing for a chemical factory, phase 1	Finland

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2002-2003	Componenta Oyj, Pori	Energy auditing for a steel foundry	Finland
2002-2003	Componenta Oyj, Pietarsaari	Energy auditing for a steel foundry	Finland
2002-2003	Ekokem Oy, Riihimäki, Pori, Jämsänkoski	Energy auditing for a hazardous waste treatment plants	Finland
2002	Confidential	Energy auditing for a power plant and paper mill	UK
2002	Neplo Vihtavuori Oy, Forcit Oy, Nammo Laupa Oy	Energy auditing for an gunpowder factory	Finland
2002	SCA Hygiene Products GmbH, Kostheim	Energy auditing for paper mill and power plant	Germany
2001-2002	Genencor International Oy, Jämsänkoski	Energy auditing for an industrial enzyme factory	Finland
2001-2002	MOTIVA / Ministry of Trade and Industry	Energy auditing for power plants, R&D project	
2001-2002	Valio Oy Tuotanto, Seinäjoki	Energy auditing for a food factory, phase 1	Finland
2001	Ministry of Trade and Industry	LINKKI 2 research programme: Starting energy efficiency evaluation of public services	Finland
2001-2002	Danisco Sweeteners Oy, Kotka	Energy auditing for a sweetener factory, phase 1	Finland
2001	Bundesministerium fur Umwelt, Naturschutz and Reaktorsicherheit	Energy auditing consulting in Germany	Germany
2000	Lahden Polttimo Oy, Suomen Hiiva Oy, Lahti	Energy auditing for a malt house, yeast and malt extract factory, phase 1	Finland
2000	Metsä-Serla Oyj, Kirkniemi	Energy auditing for a power plant, phase 1	Finland
2000	Rautaruukki Steel Oy, Raahe	Energy auditing for a steel mill, phase 1	Finland
2000	Ministry for Foreign Affairs	ESCO project, Krakow Poland	Finland
2000	Imatra Steel Oy Ab	Energy auditing for a steel plant, phase 2	Finland
2000	Hämeenlinnan Energia, Hämeenlinna	Energy auditing for a power plant, phase 1	Finland
2000	Mäntän Kaukolämpö Oy, Mänttä	Energy auditing for a district heating system	Finland
2000	Kemira Agro, Uusikaupunki	Energy auditing for a power plant, phase 1	Finland
1999-2000	EU/ALURE	Energy efficiency as a marketing strategy for power companies in Colombia	Colombia
2000	VS Lämpö Oy, Uusikaupunki	Energy auditing for a district heating system	Finland

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1999-2000	Genencor International Oy, Hanko	Energy auditing for a chemical plant	Finland
1999	Information Center for Energy Efficiency MOTIVA / Ministry of Trade and Industry	Development of an energy auditing methodology for the process industry	Finland
1999	Stora Enso Oyj, Imatra	Energy auditing for an integrated paper and pulp mill, phase 1	Finland
1999	Sunila Oy, Kotka	Energy auditing for a pulp mill, phase 1	Finland
1999-2000	Finnish Chemicals, Äetsä, Joutsteno and Kuusankoski	Energy auditing for chemical factories, phase 1	Finland
1999	Finergy	Monitoring of energy efficiency in power and plant sector; development project	Finland
1998-1999	Finnfund	Feasibility of ESCO in Poland and the Baltic Countries	Finland
1999	Valmet Oy, Rautpohja, Jyväskylä	ESCO implementation project; Waste heat use of the foundry furnaces to compensate of district heat for preheating of the supply air	Finland
1999	Pilkington Lahden Lasitehdas Oy	Energy auditing for a glass factory, phase 1	Finland
1998-1999	Imatra Steel Oy Ab, Imatra	Energy auditing for a steel plant, phase 1	Finland
1998-1999	Ministry of Trade and Industry/Ministry of the Environment	Monitoring of energy efficiency in industry; development project	Finland
1998-1999	Ministry of Trade and Industry	Monitoring of energy efficiency in public sector; development project	Finland
1997	Tetra Laval Oy, Svetogorsk	Energy Audit, Energy Supply, Energy Use and Optimization Program in Pulp and Paper Mill	Russia
1991-1998	EU/Tacis	Technical assistance at industry and consumer level, efficiency and energy saving measures in industry and households	Republic of Georgia
1997-1999	Valio Dry Milk Factory, Lapinlahti	Energy auditing for buildings and process	Finland
1996-1997	EU/Phare Programme	Regional energy study for three districts. The project involves several small energy audits and preparation of a regional energy development concept based on energy conservation	Slovakia
1996	JPI Process Contracting	Utilizing of waste energy of composting plants	
1994-1997	Technology Development Centre Finland, ABB Installation, Valmet Oy, Van den Bergh Foods/Jalostaja	Utilizing of waste energy in low temperature of industry	Finland
1996	Valmet Oy, Rautpohja, Jyväskylä	Energy audit in foundry processes and paper machine factory	Finland

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1995	Ministry of Trade and Industry	Russian Federation: Experimental project for higher energy efficiency in Petrozavodsk District Heating System	Russia
1995	Ministry of Trade and Industry	Energy audit in a textile mill	People's Republic of China
1994	Koneba	Energy audit of Suralaya 1200 MW coal-fired power plant	Indonesia
1994	Ministry of Trade and Industry	MOTIVA programme: development of energy auditing methodology for the industrial sector in Finland	Finland
1993-1994	UNDP/GEF	Electricity DSM and capacity building in the electricity sector	Syria
1992	Ministry for Foreign Affairs, Finland and Management Center of India, Confederation of Indian Industry	Development of energy conservation and environmental protection programme for the pulp and paper industry in India	India
1992	IBRD/UNDP	Energy efficiency and fuel substitution study (industrial energy management component)	Nepal
1992	Technical Research Centre of Finland, Ministry of Trade and Industry	Conservation and management of electric energy in buildings. A long-term project with used measurements and theoretical calculation models for studying saving possibilities of electric energy and electrical costs by means of demand-side management strategies in building.	Finland
1991	Ministry of Trade and Industry	Increasing electric energy saving activities by improvements in tariff structures	Finland
1990-1991	Ministry of Trade and Industry	International review of administrative energy conservation measures	Finland
1990	The General Directorate of Electrical Power Resources Survey and Development Administration of the Government of Turkey	Energy efficiency in chemical industry in Koruma Tarim	Turkey
1988-1990	Luleåkraft Ab, Sweden and The World Bank	Energy conservation mission. Possibilities to utilize by-product gases from the steel industry in gas turbines	Mali
1990	Association of Power and Fuel Economy and Ministry of Trade and Industry	Consciousness of electric energy consumption in commercial buildings and services in Finland. Possibilities to improve electric energy statistics in energy utilities were investigated and reported. Effective use of energy statistics of different energy consumers was investigated for a better basis of long-term energy planning in the country.	Finland
1983, 1985, 1988	Ministry of Trade and Industry	Studies to improve the effectiveness in industrial lighting. The energy used in industrial lighting and the savings possibilities were reported. Field studies and demonstrations were compiled to compare different luminary structures and industrial spaces.	Finland
1987	Ministry of Trade and Industry	Educational seminar and Energy Conservation Technology in Finland for 5 South Korean energy engineers	Finland

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1985-1987	UNIDO	Training courses on industrial energy conservation for groups of Sri Lanka energy engineers	Sri Lanka
1987	Ministry of Trade and Industry	Use of electric energy in services. The amount and division of electric energy consumed in the public and the service sectors	Finland
1987	Ministry of Trade and Industry	Estimation of electric energy consumption in commercial buildings and services in 1985-2010	Finland
1985-1986	Asian Development Bank and The Government of the Republic of Korea	Energy conservation investment review. Review and assessment of the status of energy conservation in industry in the Republic of Korea with special emphasis on the performance of kilns and furnaces and the combined heat and power and district heating potential.	Republic of Korea
1986	Ministry of Housing	Comparison of different compensation methods of reactive power in buildings	Finland
1986	Ministry of Trade and Industry	Methods to avoid needless use of electric energy in buildings. Different strategies to improve the efficiency of electric energy consumption in buildings was studied and reported.	Finland
1986	Ministry of Trade and Industry	Power management and electric tariffs for consumers. The needs to change and modify the electric energy tariff structures to improve demand-side management and to decrease the peak loads in the country was studied and reported.	Finland
1986	Ministry of Trade and Industry	Use of lighting in buildings. Reasons and the amount of needless use of lighting in different kinds of buildings were investigated and possibilities to decrease unnecessary consumption of electric energy were suggested.	Finland
1986-	Ministry of Trade and Industry	Economic evaluation of energy conservation investments	Finland