

# Energy Agencies

**Controlled and proficient**

**energy**

**production and use**

# Energy Agencies

**Energy agencies promote energy efficiency and the use of renewable energy sources. They serve the enterprises and communities of their regions impartially, provide them with a wide range of services, and participate in the implementation of various energy projects.**

**The seven energy agencies in Finland operate locally and regionally. The Finnish energy agencies form a national network with specialised know-how and expertise in each agency. They launch projects in the whole Finland, and are members of managEnergy, a pan-European network of energy agencies, consisting of about 300 local and regional agencies in 21 countries.**

The energy agencies implement the official energy and environmental policy of Finland and the European Union. There are seven energy agencies in operation of the eleven established in Finland with the aid of the co-financing granted by the EU SAVE Programme. The first energy agencies started operation in Finland in 1996.

The agencies are responsible for taking practical measures and acting as local experts in the implementation of the Government's Programme for Energy Conservation and the Action Plan for Renewable Energy Sources. Motiva Oy acts as a partner in the development of the national network of energy agencies. The co-operation project is funded by the Ministry of Trade and Industry.

# Knowledge and competence from energy conservation to renewable energy sources

Wind power can be utilised in many areas in Finland. The use of wind power has increased thirtyfold over the past ten years in our country.



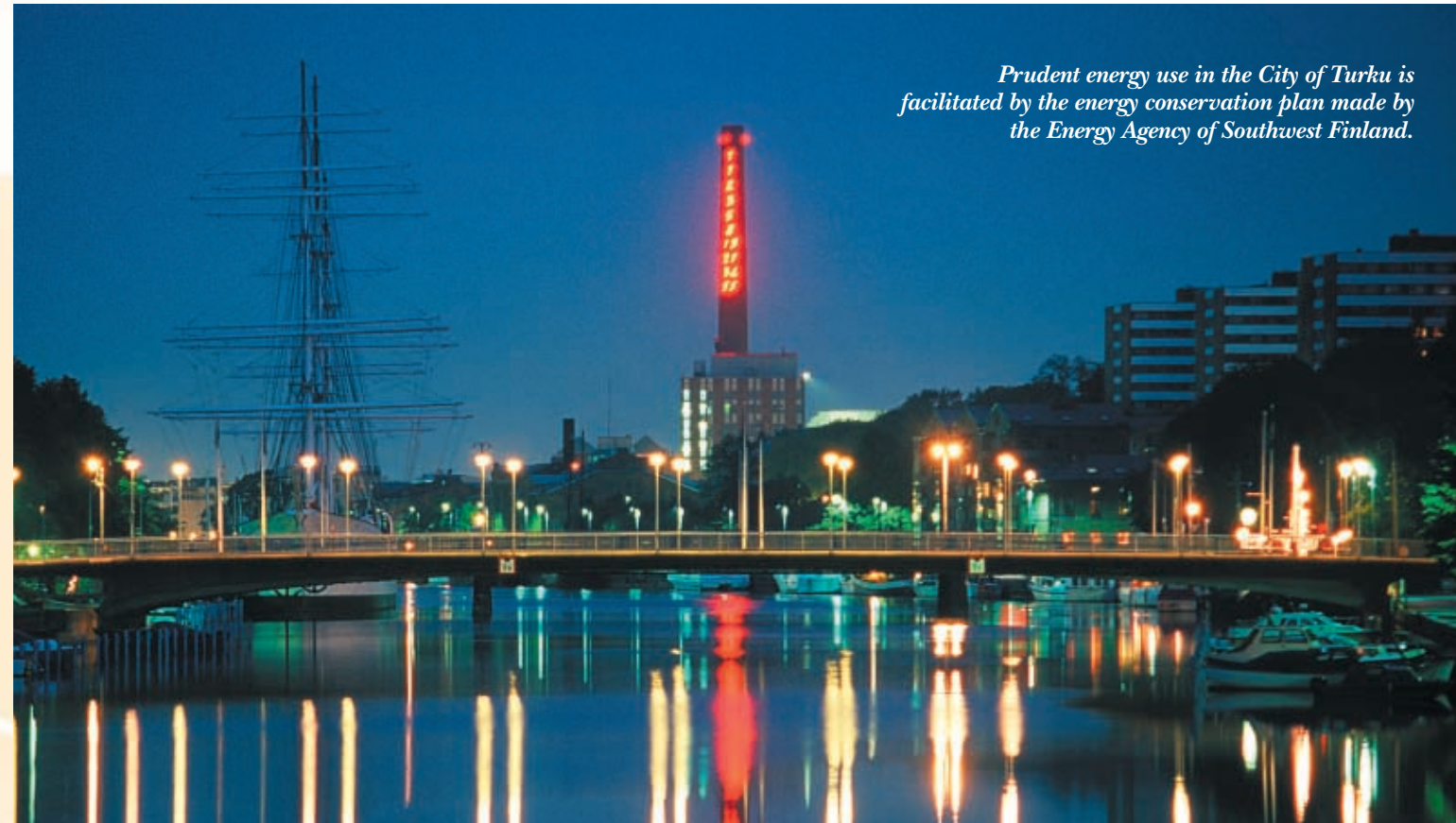
The energy agency acts locally, and it offers municipalities and companies its local expertise in energy issues. The energy agency operates as a partner for organisations looking for ideas or information on ways of increasing their energy efficiency. They provide their clients assistance in executing an energy conservation agreement, or in investigating the possibilities of utilising renewable energy sources.

The seven regional or local energy agencies in Finland work in close co-operation to serve their clients with a wide range of efficient services. The clients are thus ensured more information, competence and experience on how to implement projects related to renewable energy sources and energy conservation.

Energy agencies have profound knowledge about the energy field as a whole, and the networking of operations has multiplied their know-how capital.

Each agency is specialised in its own field of expertise, which increases the common data bank and benefits regardless of their location.

There are two to four energy experts working in each agency, which means know-how of about thirty experts in the network. In addition, Motiva's know-how is available for the network.



Prudent energy use in the City of Turku is facilitated by the energy conservation plan made by the Energy Agency of Southwest Finland.



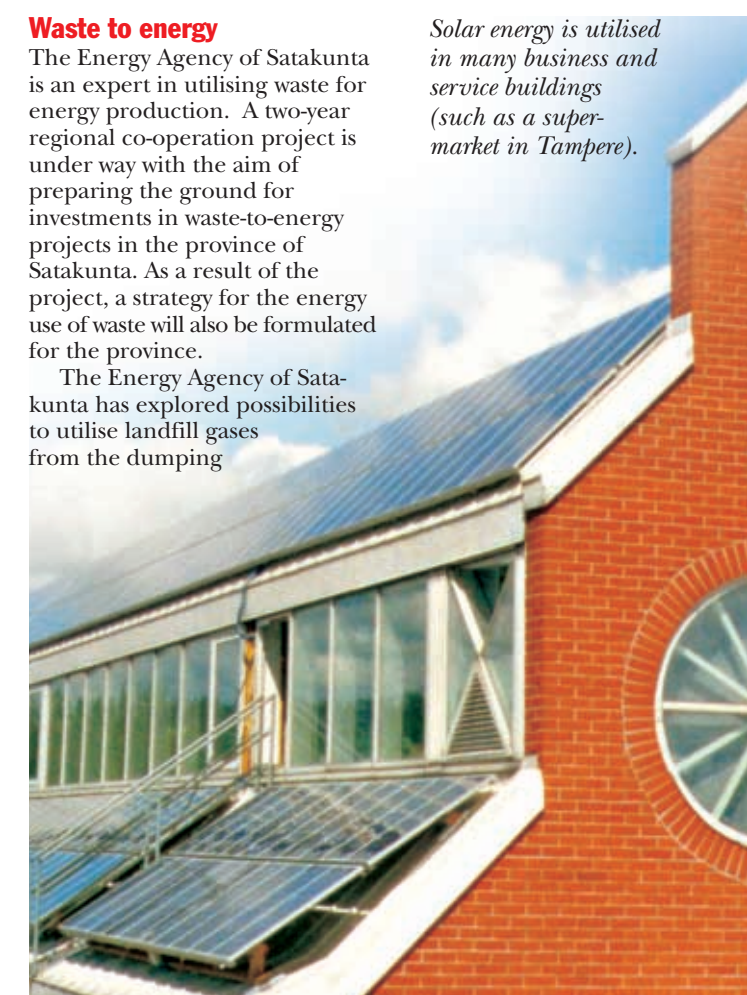
Central Finland Energy Agency supported the production of a humorous musical with an energy-saving approach. It was presented during the Energy Awareness Week.

**Experience in wind and solar energy**  
The expertise of the Ostrobothnia Regional Energy Agency and the Energy Agency of Satakunta in wind and solar energy enhances the common data bank. The West Wind project launched jointly by the Energy Agency of Satakunta and the Energy Agency of Southwest Finland is currently mapping coastal areas suitable for wind parks. After the mapping has been completed, plan proposals will be made for the coastal areas. The Ostrobothnia Regional Energy Agency's idea of do-it-yourself solar heating systems is spreading also to other parts of Finland. The number of self-constructed economical solar collectors exceeds 250 already.

**Energy balances and energy management of buildings**  
The Energy Agency of Southwest Finland calculated the energy balance of their province for 2001. The proportion of renewable energy sources was only 9% in the province, while the corresponding

figure for the whole country was 17%. Due to the boosting effect of the energy and climate agreements, the province now aims to reach the national level by increasing the use of renewable energy sources. The unit responsible for providing Life Cycle Services of Buildings at PWD Construction Management in the City of Helsinki and the Tampere Energy Agency have solid experience in monitoring energy consumption of buildings. Developed reporting on property-related energy issues lays a good foundation for energy-efficient operations. The unit providing Life Cycle Services of Buildings is also experienced in performing energy audits and creating models for ESCO (Energy Service Companies) financing. The energy agencies promote the practical implementation of energy conservation agreements. For example, the energy efficiency plans signed by the cities of Helsinki and Turku have been made in co-operation with the energy agencies.

**Waste to energy**  
The Energy Agency of Satakunta is an expert in utilising waste for energy production. A two-year regional co-operation project is under way with the aim of preparing the ground for investments in waste-to-energy projects in the province of Satakunta. As a result of the project, a strategy for the energy use of waste will also be formulated for the province. The Energy Agency of Satakunta has explored possibilities to utilise landfill gases from the dumping



Solar energy is utilised in many business and service buildings (such as a supermarket in Tampere).

area of the Hangassuo waste station in the City of Porii. The gas collection system is used to recover methane, which is a strong greenhouse gas. The energy of the collected gas can be used in heat production, for example.

**Forest chips and pellets**  
The Regional Energy Agency of Eastern Finland is an expert in the use of energy wood in particular forest chips, while the Central Finland Energy Agency has focused on pellets. The Regional Energy Agency of Eastern Finland has formulated an energy strategy for the region and launched a regional wood energy programme until the year 2010. Wood-based fuels now account for 45% of all fuels used in the province, and the goal for the year 2020 is 80%. The web service provided by the Central Finland Energy Agency at [www.pelletforum.com](http://www.pelletforum.com) offers a wide range of information on pellet heating. Within a short period of time, this web site has proven to be a useful and efficient channel for retrieving and disseminating information on pellets.

**Visibility through campaigns and thematic weeks**  
The energy agencies provide indispensable assistance in arranging events and campaigns related to energy saving. They function as local information centres in energy issues and serve also the media and schools in their areas. During many years already, the unit providing Life Cycle Services of Buildings in the City of Helsinki has coordinated a tour for schoolchildren under the theme of energy during the National Energy Awareness Week. One of sights has been the Tropical Garden Gardenia in Helsinki, where information has been provided on e.g. the state of the environment. Inspired by the theme of traffic, the Central Finland Energy Agency has provided training in EcoDriving for the Members of Parliament of the region during the Energy Awareness Week. The Tampere Energy Agency has also encouraged the city personnel to

take up environmentally sound and sustainable commuting. **Neutral expert**  
The energy agencies provide competent assistance and useful ideas in all energy issues of enterprises, communities or municipalities. They provide guidance and information and act as neutral experts in a variety of surveys, if needed. In addition to the services provided, the energy agencies have a network of good contacts and competent co-operation partners. As local actors, they are aware of local issues and viewpoints. A good example of co-operation is the Tampere Energy Agency, which operates as a part of the Centre for Urban Environment.

**International co-operation**  
The energy agencies operate in international networks as well. They are members of managEnergy, a pan-European network of energy agencies. The Finnish energy agencies have representation in the managEnergy Reflection Group through National Association of Finnish Energy Agencies NAFFEA. The energy agencies have successfully participated in several EC networks and programmes. The Ostrobothnia Energy Agency operated several years in Arctic OPET consortium together with Swedish and Norwegian partners. The energy agencies possess wide experience in practical promotion of energy efficiency and renewable energy sources realised with European partners through SAVE and Altener-projects.



During the Energy Awareness Week, schoolchildren from Helsinki familiarised themselves with the Tropical Garden Gardenia.



Enterprises and the energy agency co-operate flexibly.

# Energy Agencies

## The Energy Agencies at your service!

### PWD Construction Management/ Life Cycle Services of Buildings at City of Helsinki (1)

Contact: Ulla Soitinaho, tel. +358-9-166 2736,  
ulla.soitinaho@hel.fi

### The Regional Energy Agency of Eastern Finland (2)

Contact: Jorma Telkkä, tel. +358-15-321 1349,  
jorma.telkka@esavo.fi

### The Central Finland Energy Agency (3) c/o Jyväskylä Science Park

Contact: Mikko Ahonen, tel. +358-14-445 1123,  
mikko.ahonen@jsp.fi

### The Energy Agency of Satakunta (4) c/o PrizzTech Ltd

Contact: Esa Merivalli, tel. +358-2-620 5390,  
esa.merivalli@prizz.fi

### The Tampere Energy Agency (5) c/o Centre for Urban Environment Moreenia

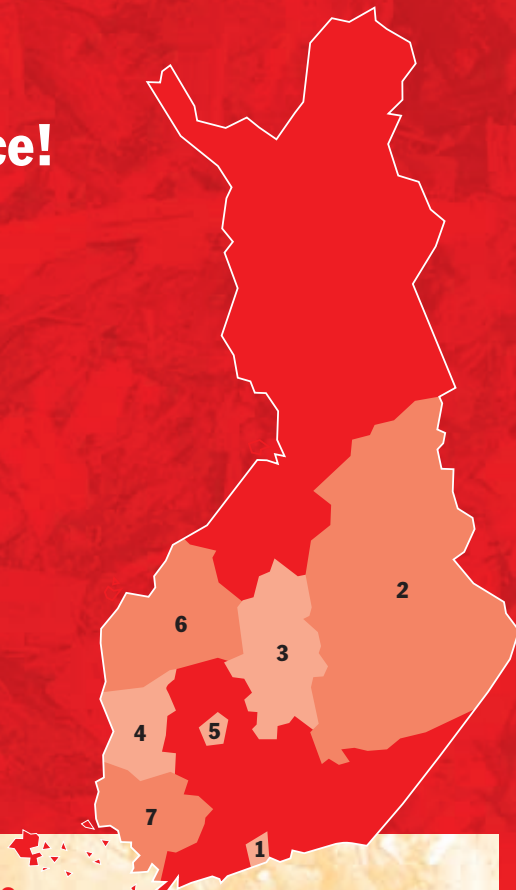
Contact: Suvi Holm, tel. +358-3-3146 5554,  
suvi.holm@tt.tampere.fi

### The Ostrobothnia Regional Energy Agency (6) c/o Technology Center Merinova Ltd

Contact: Johan Wasberg, tel. +358-6-282 8261,  
johan.wasberg@merinova.fi

### The Energy Agency of Southwest Finland (7)

Contact: Anne Ahtiainen, tel. +358-2-262 3176,  
anne.ahtiainen@vsenergiatoimisto.fi



## Expertise and specialised know-how in Energy Agencies

• = Specialised know-how • = Expertise

	Helsinki (1)	Eastern Finland (2)	Central Finland (3)	Satakunta (4)	Tampere (5)	Ostrobothnia (6)	Southwest Finland (7)
Wood fuels - wood chips		•	•				•
Wood fuels - pellets		•	•	•		•	•
Solar energy				•		•	•
Wind power				•			•
Waste to energy				•			
Energy and emission balance	•	•	•	•	•		•
Energy conservation arrangements and plans	•		•	•	•		•
Energy audits	•		•		•		•
ESCO financing	•			•			
Monitoring energy consumption in buildings	•		•		•		•
Energy experts			•		•		•
Energy efficiency in transport			•		•	•	
Energy education	•	•	•		•		•

# Motiva

www.motiva.fi

P.O. Box 489, FIN-00101 Helsinki • Tel. +358-9-8565 3100 • Fax +358-9-8565 3199

