



**PETROLEUM & BIOFUELS**  
Association - Finland



Today and tomorrow –  
**OIL ENABLES OUR  
EVERYDAY LIFE**

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# Today and tomorrow – Oil enables our everyday life

## Responsible use of energy

The world's need for energy is growing, efficiency in the use of energy is increasing, and the energy future takes many forms. Responsible use of energy is important from the point of view of a sustainable energy future.

In Finland companies in the oil and biofuel business are involved in building a sustainable energy future by developing new fuels, and completely new forms of energy, and by focusing on increasing energy efficiency. Liquid fuels - different types of petroleum products and liquid biofuels made from renewable raw materials - efficiently spin the gears of society also in the future.

## Liquid biofuels – a good solution

All liquid fuels are high-tech products based on strong research and development. Detailed sustainability criteria have been set for liquid biofuels in the EU to make sure that the use of biofuels really does reduce emissions from transport. At best, biofuels can bring reductions of 80 to 90 percent in greenhouse gas emissions compared with fossil fuels.

Alongside increased energy efficiency, developed and sustainably produced liquid biofuels are, in fact, the

fastest and most cost-effective way to reduce emissions from road traffic: they are compatible with today's car stock and distribution system. In Finland all traffic fuels being distributed contain a varying degree of bio components.

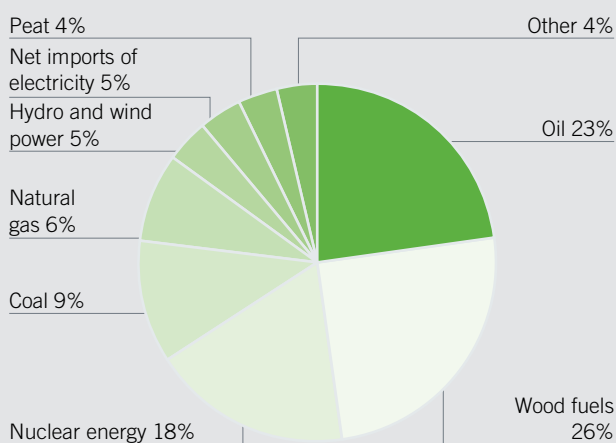
## Finland – pioneer in biofuels

In Finland biofuel production relies heavily on processes of traditional fields of industry. An innovative field of production has been established on this foundation, promoting cooperation between different fields of industry. Finland has good starting points for the manufacture of developed biofuels: high quality technology and technological know-how, as well as an extensive raw materials base.

## Finland's versatile energy system

Finland has a dispersed energy system based on numerous sources of energy. Oil-based products play an important role, as they meet nearly a quarter of the need for energy. More than 50 % of oil products are used in transport and about 7 % go to the heating of buildings. Oil products are also used as reserve fuel for other fuels, such as natural gas, in possible interruptions in the energy supply.

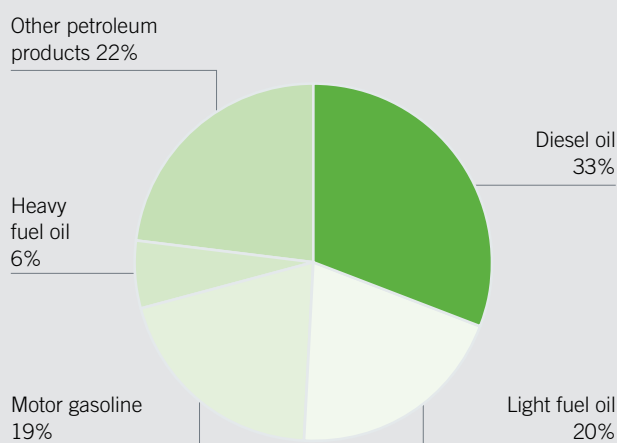
## Energy consumption in Finland 2016



In 2016, total Finnish energy consumption was 1,3 million terajoules (TJ). Oil based products play an important role in the Finnish energy system.

Source: Statistics Finland (preliminary data)

## Domestic sales of petroleum products 2016



In 2016, total domestic petroleum product sales were 7,7 million tonnes. In addition to liquid fuels, the figure includes bitumen and lubricants as well as raw materials for the petrochemical industry.

Source: Finnish Petroleum and Biofuels Association

# Finnish Petroleum and Biofuels Association

## Towards a sustainable energy future

Finnish Petroleum and Biofuels Association is a collective industry association that represents the interests of its members. While fostering a favourable operating environment for profitable industry operations, the Association's mission is to actively promote responsible use of liquid fuels and to contribute to a sustainable energy future. As an independent, non-party organization, the Association does not involve itself in issues related to competition between its member companies or in labour market issues. The Association members' share of the Finnish oil products market amounts to approximately 95 percent.

## Industry representative

The Association speaks for its members and acts as an industry expert in energy, climate, environment and traffic and transport policy issues. Moreover, the Association actively disseminates information and news. The focus of its international activities lies on the preparation of EU legislation.

In the service station sector, the Association is in charge of concerted industry-level development work relating to quality of contracting, to safety and environment and to the industry's operational preconditions. In the heating

sector, the Association puts into action projects aimed at enhancing energy efficiency in oil heating. The Association also organizes seminars and training courses.

## Energy Efficiency Agreement

Finland is involved in international agreements that combat climate change. In the national Climate and Energy Strategy the voluntary Energy Efficiency Agreements are one tangible method to cut down emissions.

In Finland voluntary agreements to promote energy efficiency began in the oil sector as early as 1997. Over the following two decades, significant energy savings have been achieved as oil heating systems have been updated and required maintenance work has been carried out in time.

The Energy Efficiency Agreement The Höylä IV with the government will continue to promote energy efficiency for the period 2017-2025. The agreement also sets goals for the economical use of renewable energy in a manner beneficial with regard to the environmental impact in oil-heated buildings.

Through the agreement, the energy efficiency objectives are promoted by providing consumers information about how, through their own actions, they can save energy in heating.

## Statistics

Finnish Petroleum and Biofuels Association has statistics cooperation agreement with Statistics Finland. The Association collects and compiles energy statistics for the use of its members and Finnish and foreign authorities. Beside Statistics Finland, the statistical data is used by the National Emergency Supply Agency and by various state and municipal authorities.

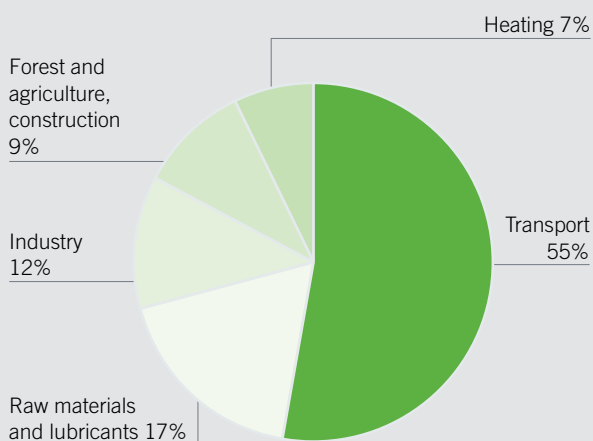
## Standardisation

The Association is an affiliate of the Finnish Standards Association SFS, and it is in that capacity responsible for standardisation across the Finnish oil and natural gas sectors. The Association is responsible for monitoring 29 European committees of CEN and 9 international ISO committees.

## Security of supply planning

According to the agreement concluded with the National Emergency Supply Agency, the Association is responsible for the Finnish security of supply planning for the oil and natural gas sectors. Finland's security of supply is primarily funded through a system of strategic stockpile fees levied on energy products, mainly on oil products.

## Consumption of oil products by consumer group 2015



In Finland over half of the oil products are used in the traffic sector. All traffic fuels being distributed contain a varying degree of bio components.

Source: Statistics Finland, Finnish Petroleum and Biofuels Association

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