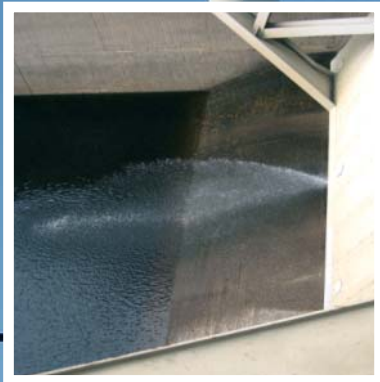
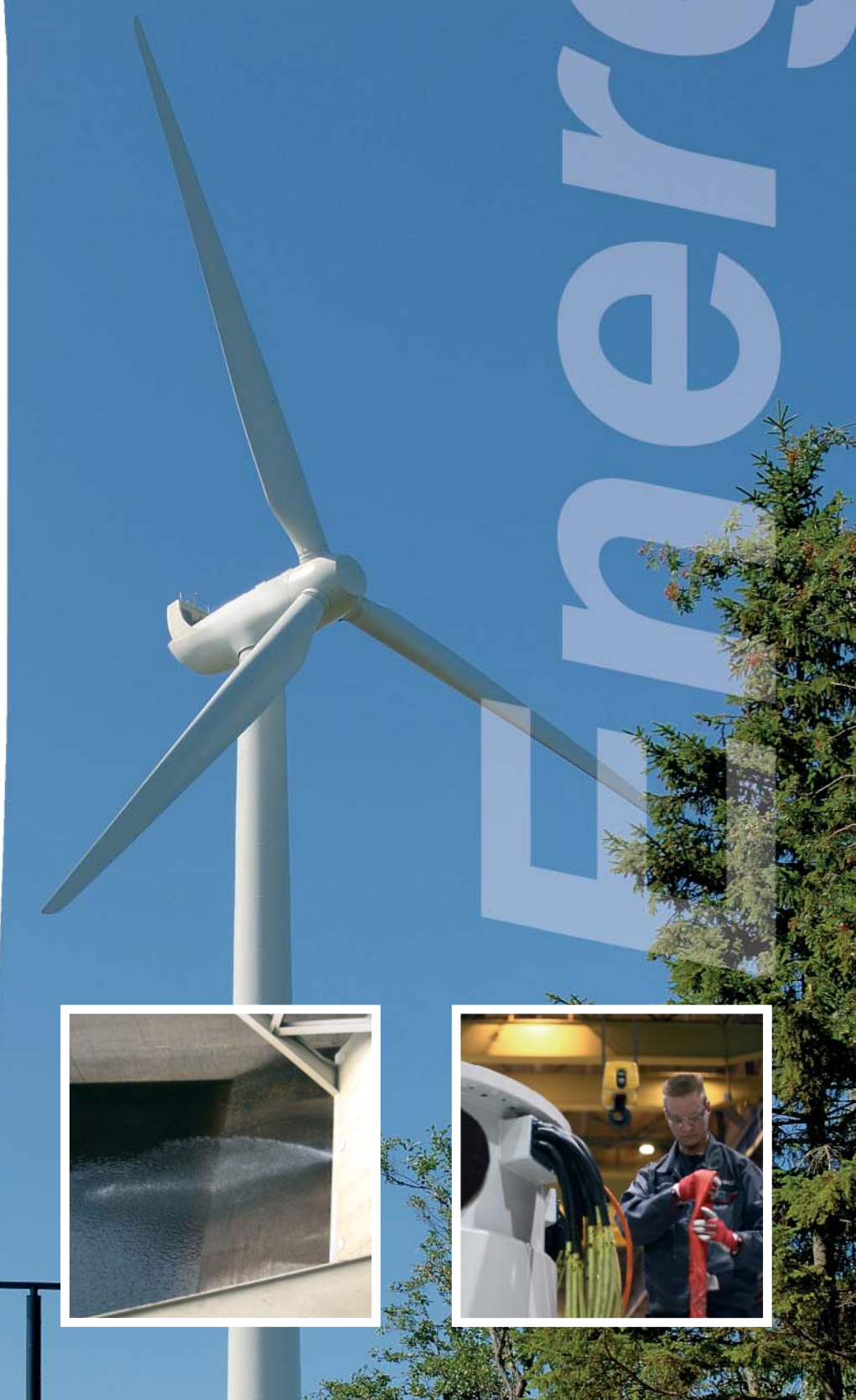


**HOLLMING**  
**WORKS**

Energy



# Hollming Works

Hollming Works is a company made up of four separate business units, which together offer a comprehensive range of services to the mechanical engineering industry. Our focus is on the manufacture of medium-weight and heavy engineering products. The four units are located in Kankaanpää, Loviisa, Parkano and Pori. In addition to

this core network, we have an extensive network of subcontractors.

Our strength as a supplier lies in our ability to handle turnkey projects, ranging from serial production or customised batches to single production. In addition to the manufacture of components, our services include mechanical and electrical

assembly, as well as hydraulic installations. To complete the package, our products come with functional testing, trial runs and, if required, on-site installation.

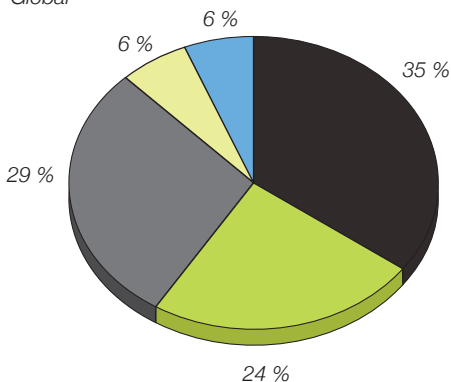
Our customers rank among the leading experts in their fields of business. So why not find out what we can do for your company!

Please have a look at our brochure and contact one of our knowledgeable staff for more information.

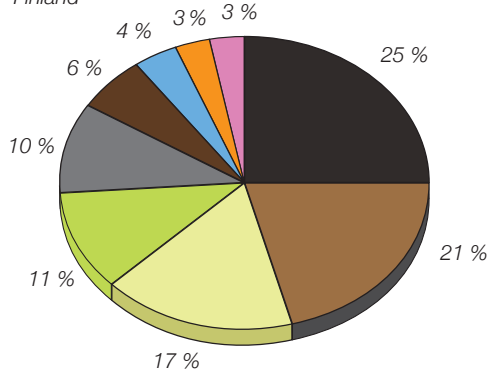
Total energy consumption in 2008

## Breakdown of global and Finnish energy consumption

Global



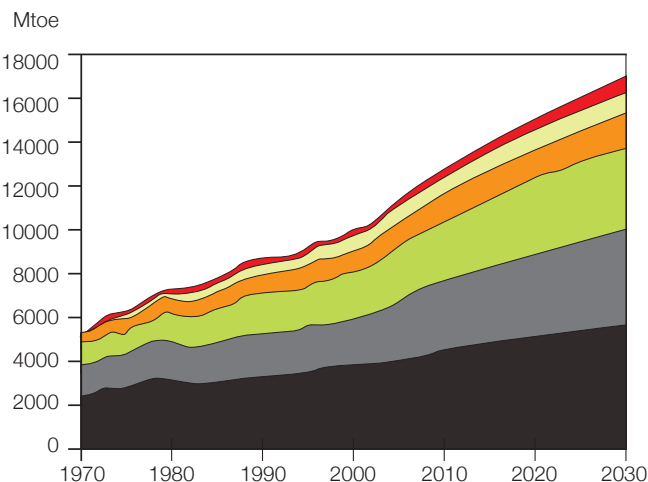
Finland



- Oil
- Coal
- Natural gas
- Nuclear energy
- Hydro and wind power
- Wood-based fuels
- Peat
- Net imports of electricity
- Others

## World energy needs will grow

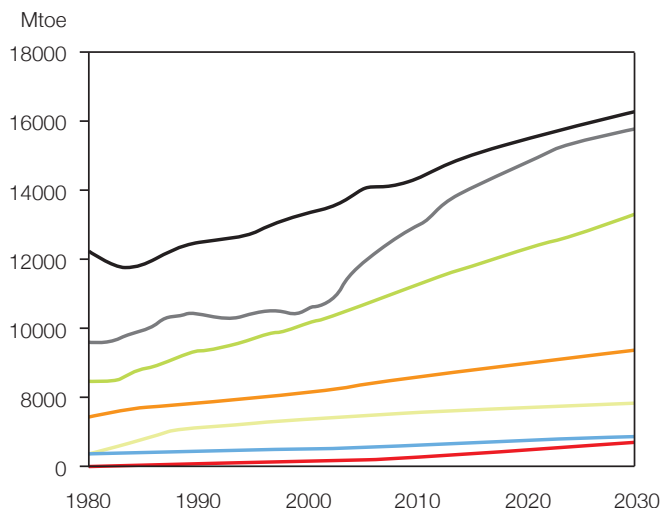
IEA's energy scenario World Energy Outlook (WEO) 2008



Based on the IEA scenario, oil, coal and natural gas will maintain its central position in the world's energy consumption over the next decades.

- Other renewables
- Biomass and waste
- Hydro and wind power
- Nuclear power
- Natural gas
- Coal
- Oil

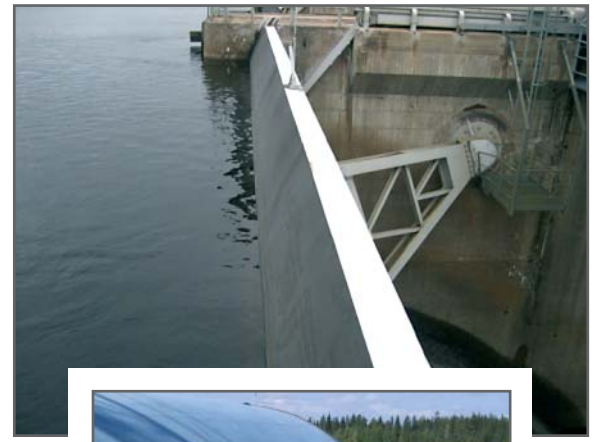
The need for geosequestration



World energy demand expands by 45% between now and 2030 – an average rate of increase of 1.6% per year – with coal accounting for more than a third of the overall rise (World Energy Outlook - OECD/IEA 2008).



*Floodgates*

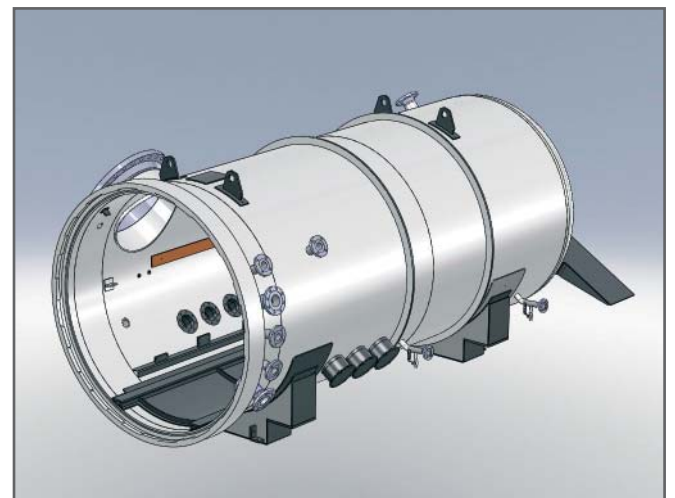
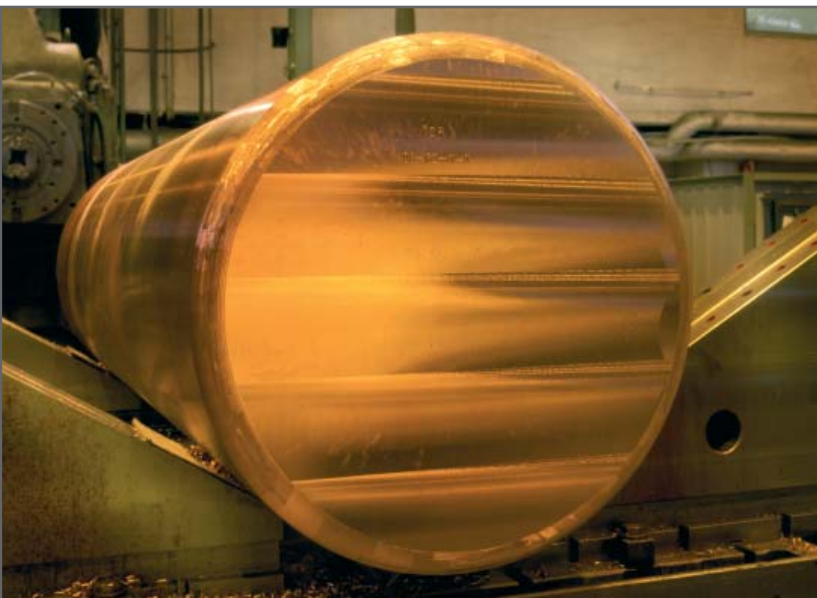


# Investment in renewable energy

Throughout history hydropower has been much used in the Nordic countries. Now we are at the point when large modernisations are topical. As always, Hollming Works is ready for these investments

Nuclear waste must be stored somehow and Hollming Works has helped customers in this important sector as well.

*Nuclear waste capsule*



*Autoclave*



*Special machine for machining e.g. stator and generator frames*



*Stator frame*



*Floodgate*

Growing energy needs all over the world, as well as climate change, are forcing us to find various alternative forms of energy. We at Hollming Works help our clients create even the most demanding products.

Bioenergy is very important in Finland and the other Nordic countries. Hollming already has a long history of deep involvement in this sector as well.

Hollming Group subsidiary BMH Technology's product offering includes complete waste management systems. The heavy-duty crushers needed in these systems are manufactured at Hollming Works.



*The calculation, design, manufacturing and testing of steam accumulators and other pressure vessels are part of Hollming Works' expertise.*

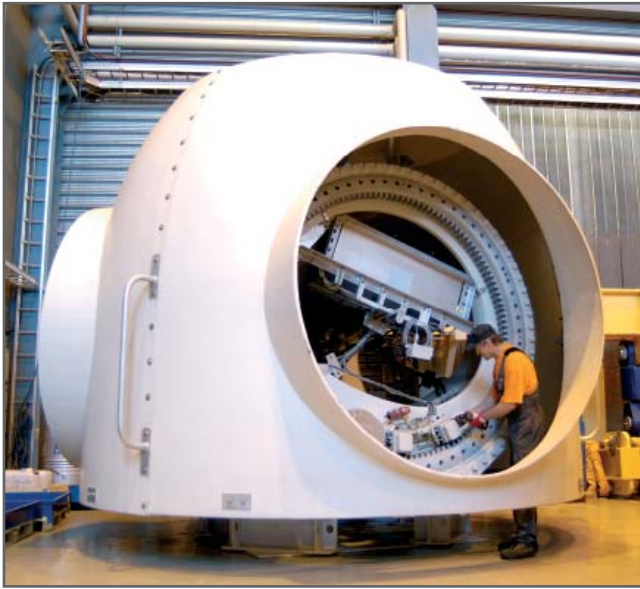




*Nacells on assembly hall*



*Installation of wind power unit in the field*



Wind power structures 3,5 MW generator

# Clean energy from wind power

At the end of 2007, wind power was used to generate 0.2% of Finland's electricity consumption, which corresponds to the domestic consumption of 35,000 detached houses. On average, wind power accounts for approximately 3% of electricity production in the EU countries. This means there are still major growth opportunities for wind power in Europe. Moreover, limits set for greenhouse gas emissions also increase the need for wind power.

Hollming Works is a major player in wind power construction. Our unit in Loviisa assembles and tests all 3 and 3,5 MW wind power units manufactured in Finland. Our premises and lifting capacity are ideal for serial production of wind power products, which can be shipped out to the world directly from our own port.



# HOLLMING WORKS

*Serving you!*

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