

## INDUSTRY AND SALES MARKETS

KOGENERACJA S.A. is the main **producer of heat** in Wrocław and a **producer of electricity**.

### HEAT MARKET

At KOGENERACJA S.A., network heat is produced together with electricity in **high-efficiency cogeneration** at the following three plants: two CHP plants (EC Wrocław and EC Zawidawie) and a CHP plant in Siechnice (EC Czechnica). The Company covers 53% of the total demand for heat in Wrocław and 60% of the demand for heat in Siechnice.

*Production plants of KOGENERACJA S.A.*



#### EC WROCLAW

Coal-fired unit  
 812 MWt  
 263 MWe  
 Network of the local heat distributor (Fortum)



#### EC CZECHNICA

Coal-fired unit  
 247 MWt  
 100 MWe  
 Heating network: 27 km

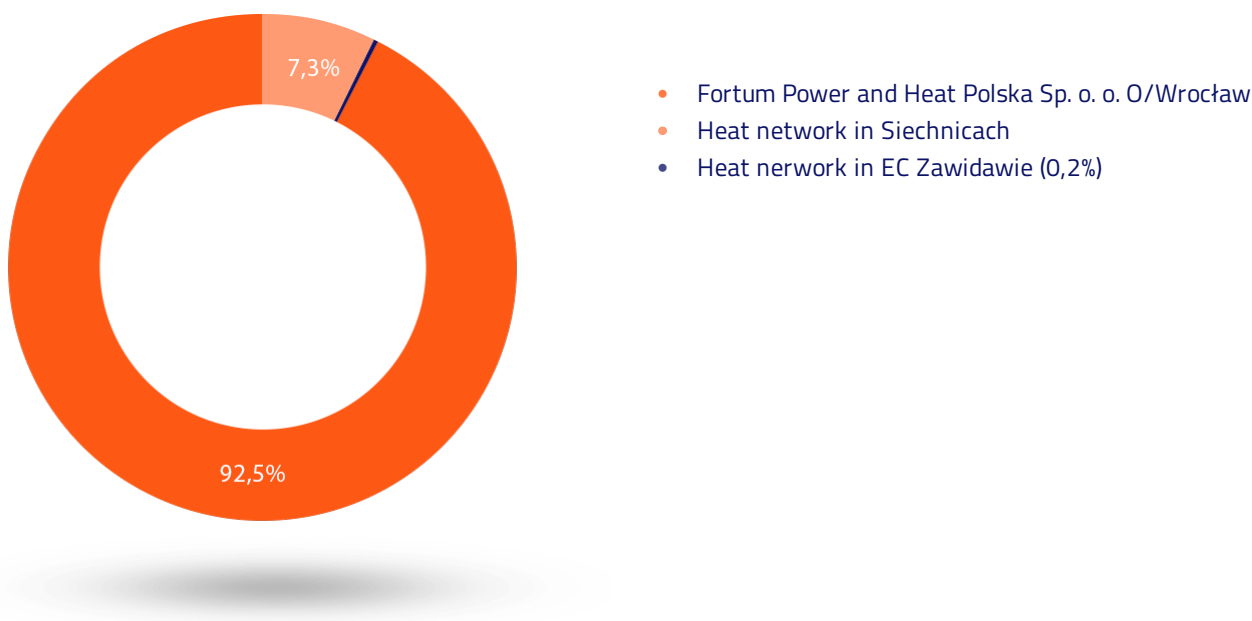


#### EC ZAWIDAWIE

Gas-fired unit  
 21 MWt  
 3 MWe  
 Heating network: 2.7 km

Development of the heat market is mainly the result of new connections made as new buildings are put on the market and as local boiler plants and individual furnaces are put out of use.

### Buyers using the heat system



## ELECTRICITY MARKET

Since 2014, the Polish electricity market has been ranked sixth in terms of the volume of electricity generated, and seventh in the EU in terms of total installed generation capacity. In 2016, the **annual electricity consumption in Poland** was **167 TWh** (vs. 161 TWh in 2015). According to the Energy Policy until 2030, the use of electricity per capita in Poland is to grow by more than 50% until 2030. Electricity production in Poland is predominantly based on hard coal and lignite.

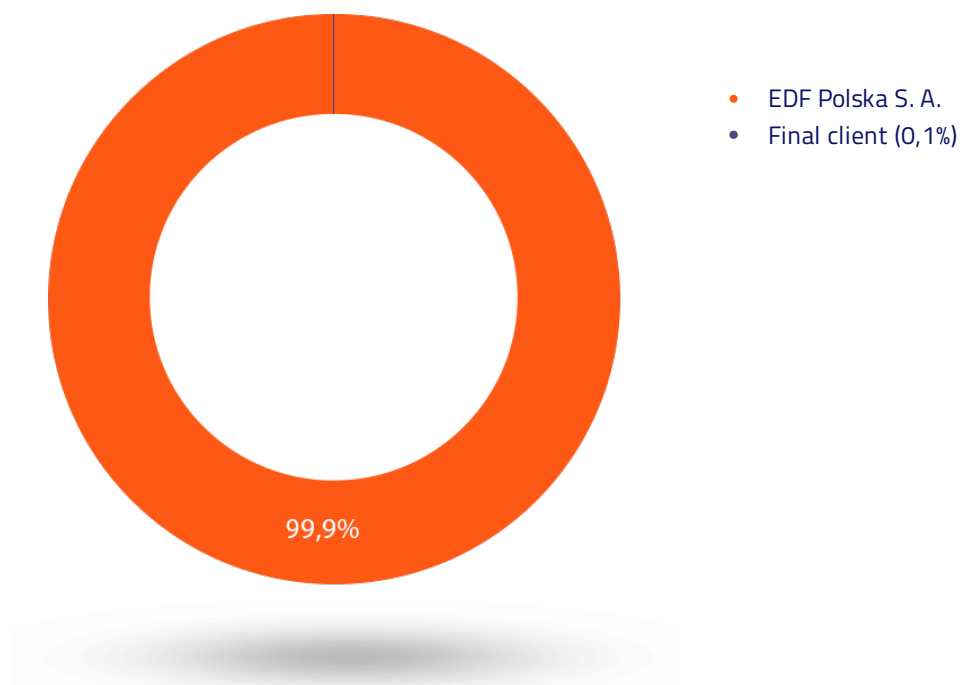
Four Polish energy companies (PGNiG, Enea, Energa, Tauron) have a combined share of 60% in the electricity generation market. EDF Poland Group, which comprises KOGENERACJA S.A., has a 9% market share, including 3% represented by CHPs and 6% by the Rybnik power plant.

KOGENERACJA S.A. is **the largest producer of heat and electricity for Wrocław**. EC Wrocław has a licence for electricity production with a capacity of 263 MWe.

EC Czechnica has a licence for electricity production with a capacity of 100 MWe. This represents approx. 0.7% of the installed capacity in Poland, which at present is more than 38 000 MWe.

KOGENERACJA S.A. **produces electricity in association with network heat**, in the process of high-efficiency cogeneration. Part of it is produced from renewable energy sources. Biomass is combusted in dedicated installations as an alternative to coal, which helps to reduce CO<sub>2</sub> emissions.

### Buyers of electricity



KOGENERACJA S.A. also provides plant availability services to PSE-Operator S.A. (ancillary services).