Power plants in Poland

Wind farms


Litwa
Malmo
Ystad
Stralsund
Greifswald
Neubrandenburg
Szczecin
Świnoujście
Chojnice
Bydgoszcz
Polska
Gdańsk
Elbląg
Olsztyn
Ostróda
Kaliningrad
Калининград
Wołodino
Володино
Gogolewo
Гоголево
Sowieck
Советск
Priboj
Прибой
Taurogi
Kiejdany
Wiłkomierz
Kowno
Wilno
Troki
Mariampol
Olita
Gizycko
Grodno
Гродна
Lida
Ліда
Baranowicze
Баранавічы
Łomża
Białystok
Berlin
Poczdam
Frankfurt nad Odrą
Poznań
Gniezno
Płock
Nowy Dwór Mazowiecki
Warszawa
Siedlce
Biała Podlaska
Brześć
Брэст
Pińsk
Пінск
Kutno
Zielona Góra
Chociebuż
Łódź
Puławy
Kazimierz Dolny
Kowel
Ковель
Drezno
Budziszyn
Wrocław
Jelenia Góra
Wałbrzych
Chemnitz
Liberec
Karpacz
Częstochowa
Kielce
Sandomierz
Stalowa Wola
Łuck
Луцьк
Równe
Рівне
Opole
Hradec Kralove
Karlowe Wary
Praga
Pardubice
Pilzno
Czechy
Ostrawa
Bielsko-Biała
Kraków
Tarnów
Wieliczka
Nowy Sącz
Krynica-Zdrój
Zakopane
Przemyśl
Lwów
Львів
Tarnopol
Тернопіль
Stryj
Стрий
Truskawiec
Трускавець
Iwano-Frankiwsk
Івано-Франківськ
Ołomuniec
Brno
Zlin
Czeskie Budziejowice
Preszów

Total capacity of wind farms in 2015 are 5 GW.

Place:	Turbine:	Power:
Kisielice	43	76,5 MW (40,5 MW + 25 MW + 12 MW)
Margonin	60	120 MW
Karścino-Mołtowo	17	90 MW
Wind Farm Korsze, Korsze (Błogoszewo, Chmielnik, Gudniki, Kraskowo, Łankiejmy, Olszynka, Podlechy, Trzeciaki, Wandajny,Dubliny)	35	70 MW
Iłża	27	54 MW

Solar power plant

At the end of 2014, approximately 1.7 million m2 of solar collectors were installed and used, which corresponds to 1.2 GWt of thermal power. The total installed capacity of solar collectors was then the second, after heating plants for biomass, a renewable source of "green heat" generation in Poland.

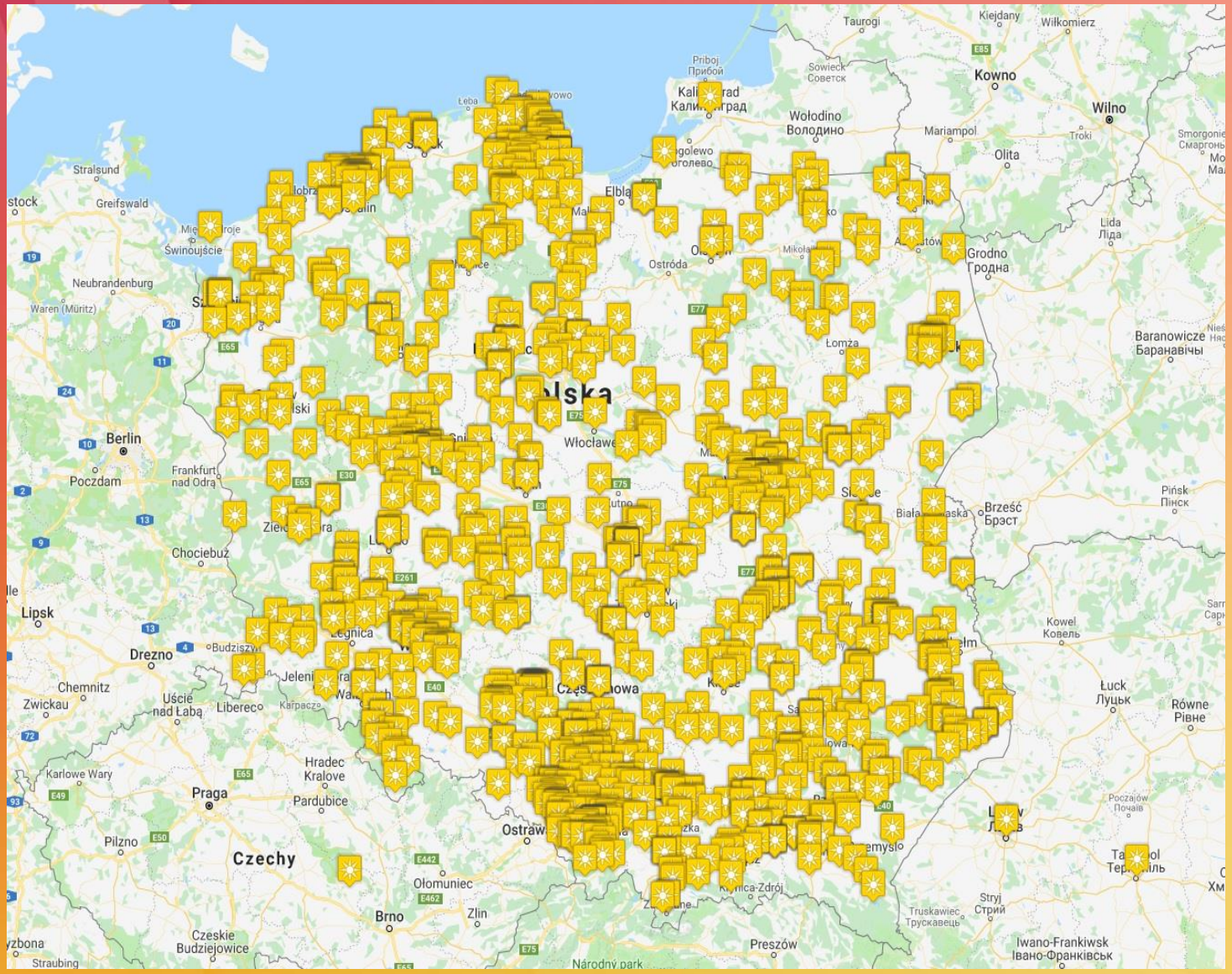
3.77 MW launched in October 2015, PV Czernikowo in the village of Wygoda in the Czernikowo commune near Toruñ

2.0 MW launched March-June 2015, Ostrzeszów in the Greater Poland Voivodeship

2.0 MW launched in 2015, investor: Association for Innovation and Technology Transfer "Horyzonty", Cieszanów

1,84 MW, investor R.Power (formerly AMB Energia), Kolno in Podlasie

1.64 MW commissioned in September 2014, the Energa Group, PV Delta Przejazdowo near Gdańsk



Geothermal power plant

Poland has very good geothermal conditions, as 80% of the country's area is covered by three geothermal provinces: Central Europe, Carpathian and Carpathian. The water temperature for these areas ranges from 30-130°C (and locally even 200 ° C), and the depth of occurrence in sedimentary rocks from 1 to 10 km.

name or location	year of creation	maximal temperature [° C]	installed power [MW]			use [TJ / year]		
			all	from geothermal	share of geothermal energy	all	From geothermal	share of geothermal energy
Geotermia Podhalańska	1992/1994, 2001[14]	86	80,8	40,7	50%	376, 398[15]	286,5	76%
Pyrzyce	1996	61	48	14,8	31%	100	60	60%
Mszczonów	2001	41	10,2	2,7	26%	56,9	15,1	27%
Stargard	2005[16], 2012[17]	78	10	10	100%	91	91	100%
Uniejów	2006	68	5	3,2	64%	17,8	8,9	50%

Biogass power plant

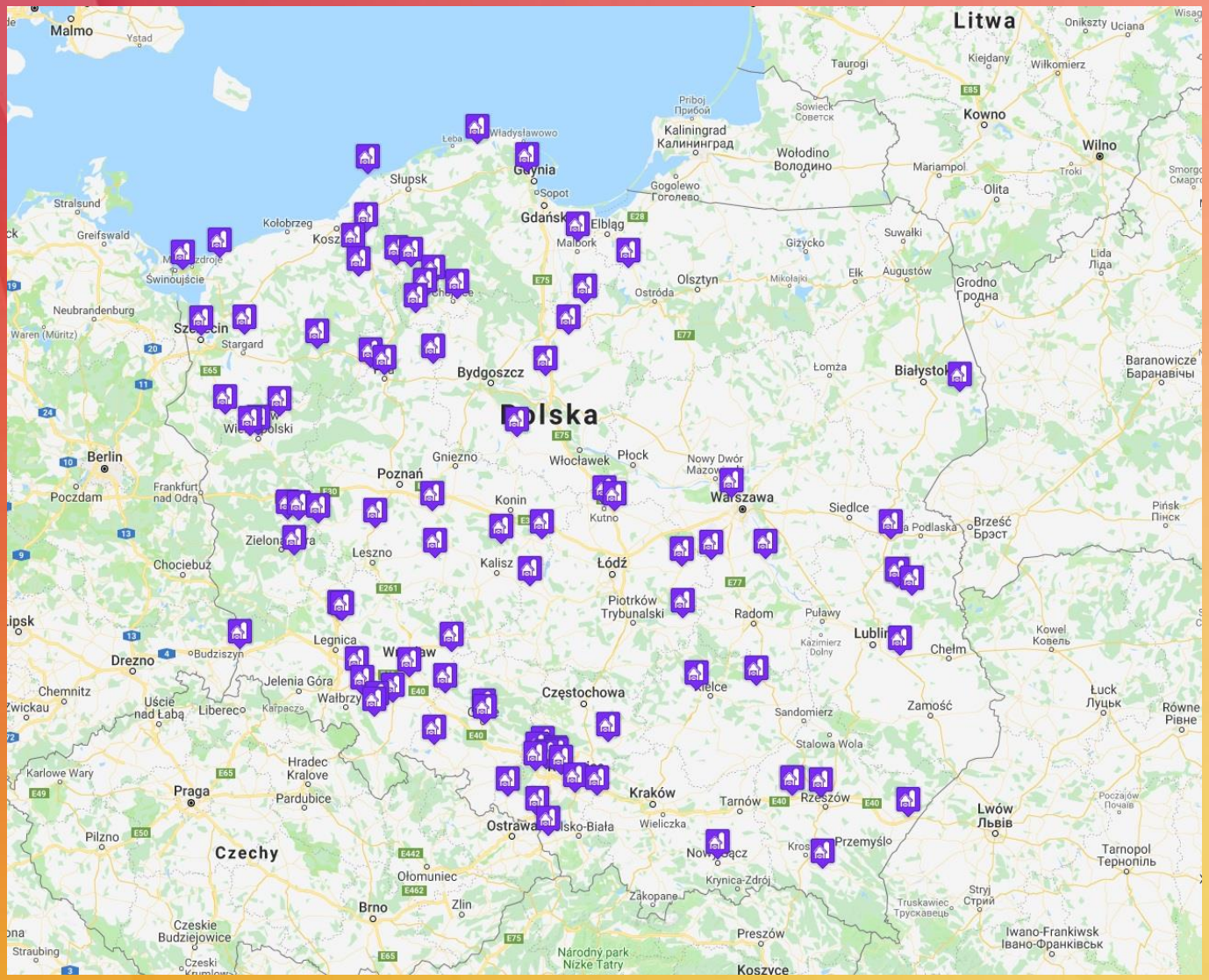
Technical potential

Wood 270 PJ per year

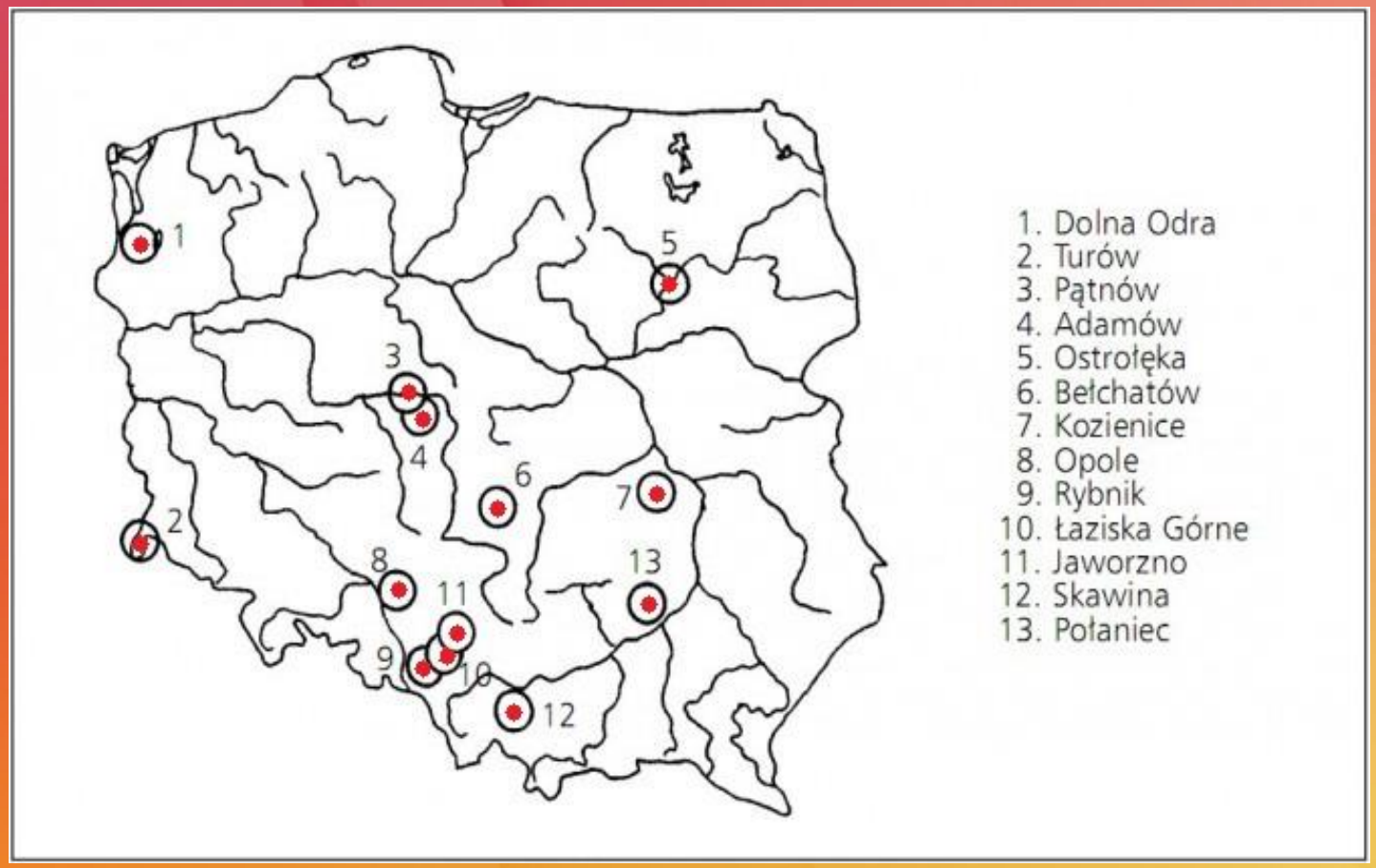
Straw 167 PJ per year

Biogas

They produce about 6.7 GWh of thermal energy and electricity per year



Coal power plant



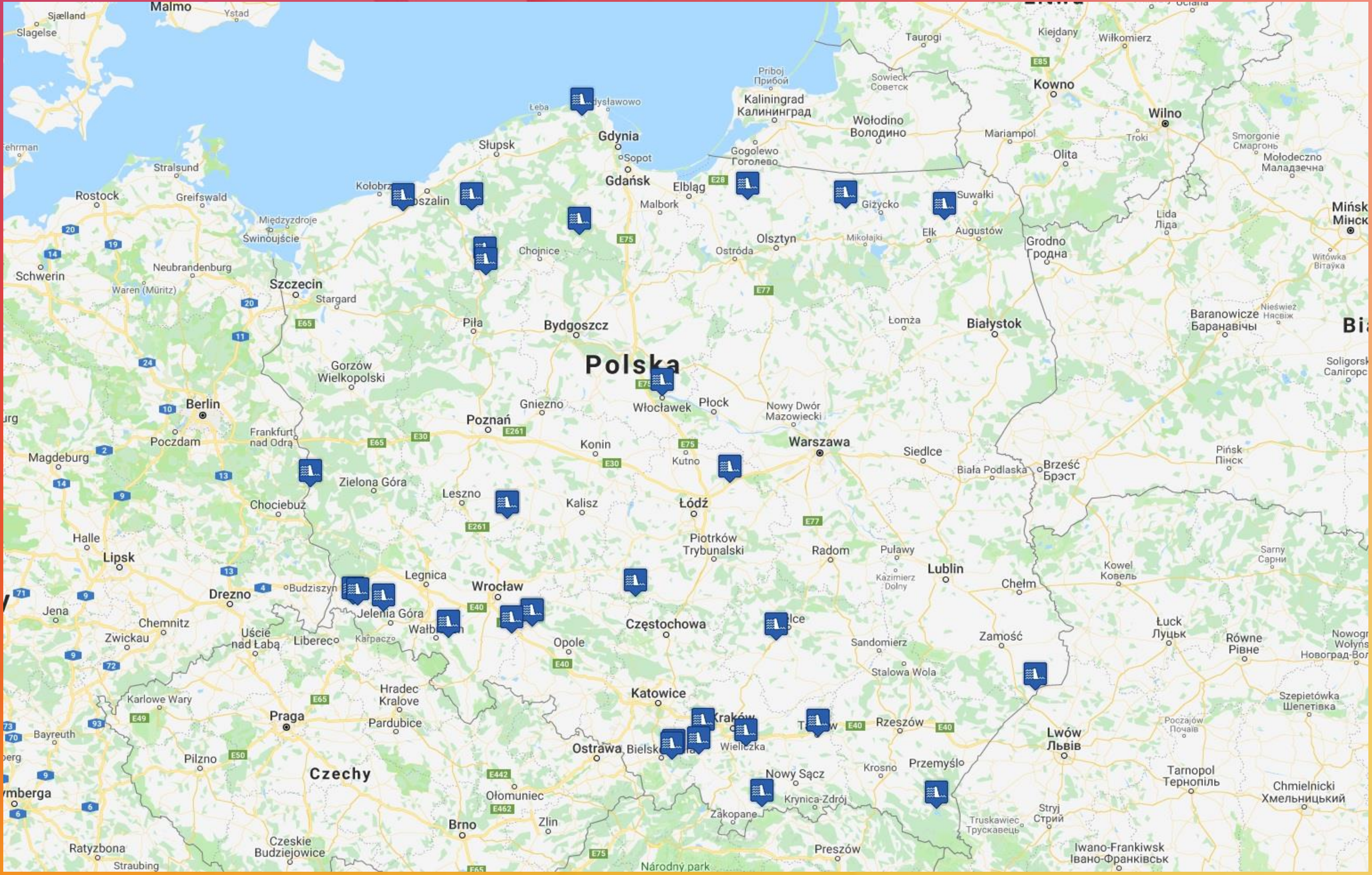
The fuel and energy industry in Poland develops on the basis of hard and brown coal. 96.3% of electricity is obtained in coal-fired power plants. Electricity production in Poland is nearly 146 terawatt hours, which gives us 18th place in the world. Power plants based on hard coal generate 56% of electricity. The biggest of them are:

- Rybnik - 1670 MW
- Opole - 1490 MW
- Jaworzno - 1245 MW
- Łaziska Górne - 1155 MW
- Łagisza - 875 MW

Brown coal-fired power plants generate 40.3% of electricity. They are concentrated near the lignite mining sites:

- Bełchatów - 4440 MW
- Turów - 1800 MW
- Pątnów - 1600 MW
- Adamów - 600 MW
- Konin - 583 MW.

Hydroelectric power plant



In 2016, Poland produced 2.4 TWh of electricity in hydroelectric plants.

Elektrownia Wodna Żarnowiec	Jezioro Żarnowieckie	716MW
Elektrownia Wodna Porąbka-Żar	Soła	500MW
Elektrownia Solina	Jezioro	Solińskie 200MW
Elektrownia Żydowo	Jeziora Kamienne, Kwiecko	167MW
Elektrownia Wodna Włocławek	Wisła	160,2MW