



Port Kopytkowo - super stopover on the A1 a driver and environmentally friendly place



A modern complex for travellers and truck drivers has been developed in Kopytkowo, at kilometre 59 of the A1 motorway, about 80 km from the centre of Gdansk. A facility ready to serve 250 heavy long-haul trucks, where you can have a meal and take a rest using renewable energy.



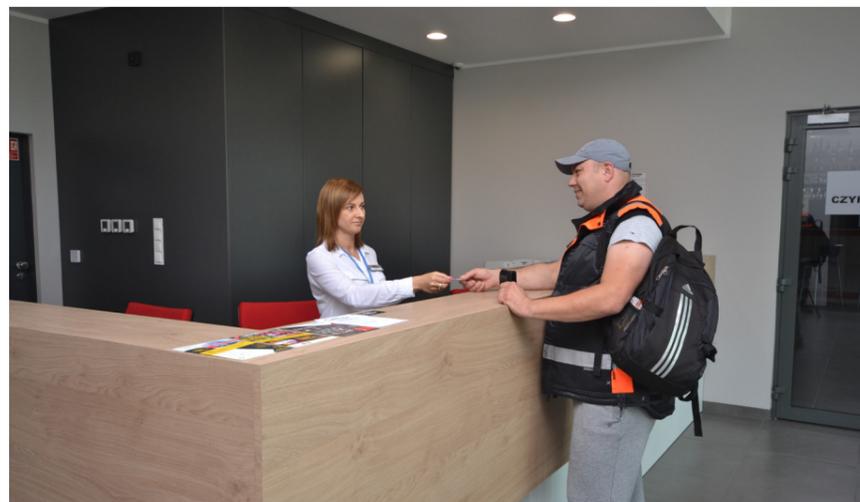
Port Kopytkowo

Port Kopytkowo

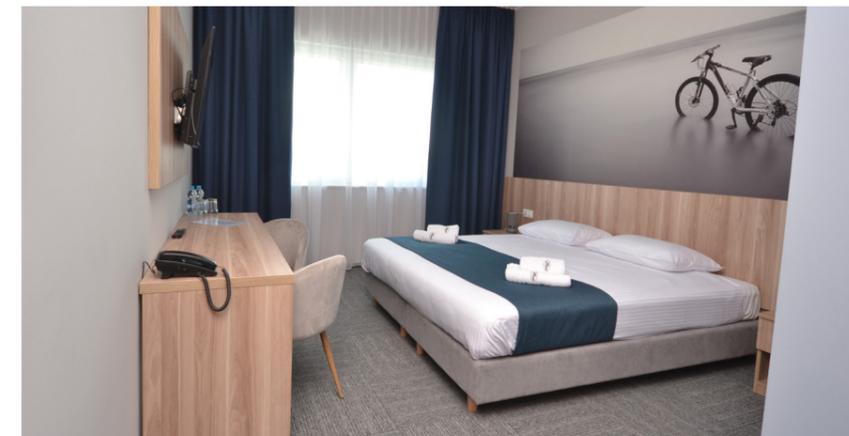
From the moment Poland joined the European Union, the country's network of motorways and expressways has been steadily growing, with plenty of motorway service areas (MSAs) to cater for the needs of drivers. A modern complex for travelers and truck drivers has been developed in Kopytkowo, at the junction with provincial road No 231. The facility is equipped to serve 250 heavy long-haul trucks, including a secure guarded parking lot with space for 250 heavy goods vehicles, a filling station, truck and passenger car wash, shop, restaurant and bar, hotel, showers and laundry. Port Kopytkowo offers a full range of services. Professional drivers and car drivers alike have plenty to enjoy when taking a break here. The facility provides an extensive range of attractions for professional drivers, who are required by law to take a 45-hour weekend break and spend it outside their cabs. Drivers can use attractions such as an outdoor gym, games room with billiards and darts, an indoor gym,



Filling station for trucks



Hotel reception



Hotel room

sauna and TV room. The three-star hotel at Port Kopytkowo provides a high standard of comfort for all travelers. Truck and car drivers can use the truck/car wash and tire repair services. In addition, there is even a laundry where long-distance truckers can quickly get their clothes freshened up or cleaned. The dedicated services available for professional drivers are Port Kopytkowo's greatest asset. What's more, the facility is also e-vehicle-ready, with a charging station for up to three vehicles at once.

“Green” technology that cools and heats

Because it operates throughout the year, the hotel at Port Kopytkowo needs heating and cooling, and the developer planned to use renewable energy sources from the very start of the project. As a result, Port Kopytkowo features state-of-the-art ground-source heat pumps with inverter technology, which constantly adjusts heating output according to real-time demand. The heat pumps cover 100% of heating demand and the facility owner has no need to incur costs

Project data:

System commissioning:
March 2019

Location: Kopytkowo,
80 km from Gdańsk

Building characteristics:

- Usable area of the building: 2,535.69 m²
- Calculated thermal load of the building: 54 kW
- Power supply to air-handling units: 83.5 kW

Solution deployed:

- Two Thermia Mega XL (21-88 kW) ground-source heat pumps
- Domestic hot water tanks
- Heat distribution: floor heating and fan coils, air-handling unit
- Cooling distributed by fan coils

“Port Kopytkowo is the perfect place for anyone traveling between Warsaw and Gdańsk, or headed for the Tuchola Forest, who want to rest, enjoy some good food and fill up with fuel”

commented Andrzej Kluczkowski, Managing Director of Port Kopytkowo.



Robert Robertus Wodczak

A super place, ideal for a pause, with everything you need right there on site.



Lilianna Murach

A very clean and friendly place, very good Polish cuisine, everything fresh, huge parking lot and smiling staff!



Radek Gal

New quality on Polish roads. A place to recommend.



Agnieszka Sukiennik

I was the first guest of the restaurant and ... warmly recommend it... Excellent breakfast, very nice service, a perfect mix for a good start to the day



for auxiliary heating during peak periods. Heat pumps use renewable energy from vertical ground collectors placed in boreholes. Heat is distributed via a floor heating system and by fan coils. Process heat is also supplied to the air-handling unit. The entire facility uses passive cooling. *“The system is designed in such a way that properly dimensioned fan coils are able supply cool air to the buildings using the ground source, with no need for additional cooling by means of heat pump compressors. The system operates at 10-12°C (6-7°C for typical air-conditioning). This means that when we are working with greater cooling temperatures we save energy, money and, most importantly, the energy comes from the ground and is endlessly renewable. Because we do not have compressors operating in cooling mode, we reduce cooling costs by 90% and at the same time double the service life of the heat pumps.*



Saunas with showers

Cooling regenerates the brine before the next heating season”, explained Lech Tomczak, Managing Director of the company that installed the heat pumps in the facility’s technical room. Hot water is prepared by the heat pump and accumulated in three 1,000-liter tanks.

Energy efficiency and low CO₂ emissions

The new energy management solution enables the owner of Port Kopytkowo to offer services of the highest standard and at low operating costs while maintaining a clear focus on environmental protection.



Lech Tomczak in the technical room

Nowatermia was established in 2018. The company represents the Thermia brand in the Polish market and is its sole distributor. “We have the necessary knowledge, experience, proven logistics and appropriate warehousing space. The most popular products are available from stock. We specialize in heat pumps and are able to handle both small and large projects or complex facilities that require design, co-financing, commissioning and aftersales service”, explained Marcin Nowak, President of Nowatermia. Nowatermia is an official member supporting the Polish Organization for Development of Heat Pump Technology (PORT PC).



Nowatermia headquarters

EKOINSTAL is an engineering firm that specializes in renewable energy sources. We have already been operating in the Tri-City area for more than 20 years. We use products that are technically proven and offer good value for money, and we develop customized solutions tailored to the customer’s technical needs and budget. Our customers extend from private individuals to corporate investors implementing major commercial and public utility projects. As part of our customer service, we handle all the regulatory formalities, provide technical consultations, co-financing assistance, advise on the choice of unit, and provide in-warranty and out-of-warranty care. To date, we have successfully installed and commissioned over 300 systems based on heat pumps.



Mgr inż. Lech Tomczak, Managing Director of Ekoinstal

THERMIA THE ULTIMATE ENERGY PROVIDER SINCE 1923



Pioneering heat pumps

For the last 50 years, we have dedicated all our resources and knowledge to developing and endlessly refining one product: the heat pump. Our focus on geothermal energy has given us world leading knowledge in heat pump technology.



Engineered with passion

Developing truly sustainable renewable energy solutions can only be achieved with passionate, dedicated, and uncompromising experts. Some of Europe’s most highly qualified engineers can be found in our own R&D center.



Born in Sweden

All our products are designed, manufactured, and tested in Sweden using the latest technology and the highest quality components. All components inside our ground source heat pumps are made in Europe by world-leading industry specialists.

