

We help medium and large industrial companies become part of a zero-emission future. We want to co-create factories that we could have right outside our backyard. We advise, design, implement and finance energy efficiency activities. This is decarbonization that pays off.

Over the past 15 years of our operations, we have developed over **1,445** energy-saving projects in industrial companies in Poland and around the world. We have designed investments worth over **EUR 1.3 billion**, reducing our Clients' energy consumption by over **9.8 TWh** per year and generating over **EUR 512 million** in savings per year. Here is a brief summary of 2024 at DB Energy.

1 445

industrial projects

EUR 1,3 bn

value of completed projects

9,8 TWh

total reduction in energy consumption

EUR 512 mln

annual savings of our customers

We want to co-create factories that we could have next door - zero-emission, quiet and energy-efficient.

We have introduced two new services

In 2024, we introduced two new services: the Enterprise Energy Audit Update and Thursdays with an Engineer.

The Enterprise Energy Audit Update is designed for companies already implementing energy-saving investments. This service is ideal for those who have previously conducted an energy audit and wish to update it with the latest data to comply with URE requirements.

Thursdays with an Engineer are free online meetings offering an opportunity to consult with our technical team on energy-related issues in your company. During these one-hour sessions, we aim to address challenges and provide actionable guidance based on our extensive experience in energy audits, as well as in designing and implementing investments as a contractor. These consultations allow you to tap into our expertise and find solutions tailored to your needs.

The largest and most interesting projects of 2024:

In 2024, we conducted an energy audit of a company in one of the municipal waste treatment plants. On its basis, we calculated one of the most interesting investments of this year. We are talking about a biogas plant for bio-waste with an electrical capacity of 3.0 MWh together with the construction of a biogas storage facility.

The biggest modernization: biogas plant

EUR 9,3 mln

Cost of the project

EUR 1,7 mln

Annual savings

5,5 years

Payback time

Shortest payback period: repairing leaks in the compressed air system

EUR 47 thousand

Cost of the project

EUR 420 thousand

Annual savings

half a year

Payback time

In a company in the medical device manufacturing sector, we conducted a Walk Through audit, where we analyzed the compressed air installation. In this particular plant, the annual consumption of compressed air is over 23 million m³. During our team's visit to the plant, leaks were causing a loss of about 30% of the compressed air in the system. Therefore, assuming that we can reduce the leak rate in the system to about 10%, we can **save about 709 MWh per year in electricity** used to power the compressors alone.

The largest emission reduction and the largest amount of recovered energy: heat recovery

EUR 1,5 mln

Cost of the project

EUR 792 thousand

Annual savings

2 years

Payback time

2 300 tCO₂

Annual emission reduction

7 600 MWh

Annual energy savings

For a Client from the automotive industry, producing components for passenger cars, we conducted an energy audit of the company. One of the analysed activities was heat recovery from cast iron elements produced in the plant, which after casting must be cooled to ambient temperature. Until now, the cast elements were cooled automatically. To check their heating potential, our engineers conducted a test that showed that **1 stand of castings is able to boil 1m³ of water in 40 minutes!** The saved thermal energy from the heat recovery process is over 7,600 MWh per year. Thanks to this, **the plant saves as much thermal energy as over 4,200 households in Poland would use per year.**

We have summed up 2024 - our activity in numbers

The infographic you are currently reading is just a fragment of what happened with us in 2024. We invite you to read the entire material here:

I want to see the entire summary!



Want to stay up to date on zero emissions?

We have a weekly bulletin on LinkedIn and a monthly newsletter. Join our subscribers!



Schumacher Packaging

We launched the largest LNG-powered cogeneration unit in southern Poland.



Decarbonization that pays off