



**RUTH**

Energietechnik

**Partners  
in  
Mechanical  
Design**



# RUTH

Energietechnik

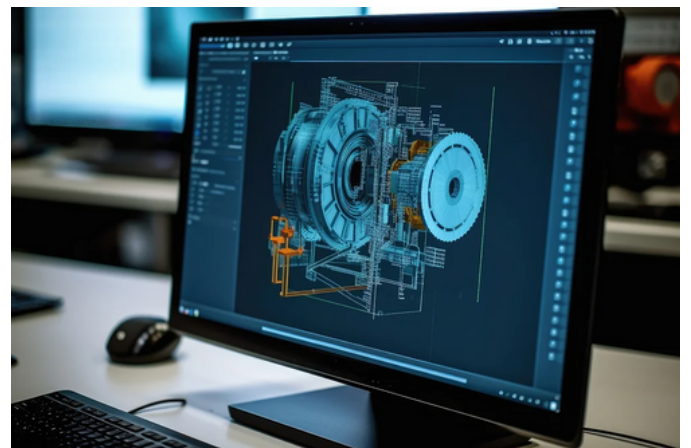
## About us

Ruth-Energietechnik is an innovative company located in Wroclaw, Poland, bringing together outstanding engineers with many years of experience in the area of machine design. Our expertise covers a variety of industries, such as energy, transportation and construction machinery, which enables us to provide comprehensive solutions for customers.

We offer a full range of services, starting from professional consulting, through design concept to full implementation, including even numerical calculations. Our knowledge of the peculiarities of different industries allows us to take a flexible approach to the unique requirements of each project.

We excel in our ability to guide projects from the sketch stage to achieving the final solution, with attention to every detail and technical aspect. Our engineering team has the skills and knowledge necessary to successfully design machinery, taking into account the latest trends and technologies.

Ruth-Energietechnik is ready to provide innovative and customized solutions to meet customers' machine design needs for various industrial sectors.



*Innovative Solutions, Modern  
Machines - Creating the Future of  
Industry!*



## Versatile engineering expertise at your disposal

### **PROJECTS – EXPERTISE AND LIABILITY**

If you're undertaking a venture that requires individuals capable of assuming responsibility and possessing cutting-edge expertise across multiple domains, Ruth-Energietechnik is the ideal selection for you. We are dedicated to executing the project based on mutually agreed principles and timelines, allowing you to focus on other crucial responsibilities. Our frequent collaborations with clients primarily involve product development, optimization, and customization, ensuring alignment with the final customer's specifications.

### **SOLUTIONS – WE KNOW IT WORKS**

Are you facing a challenge and seeking fresh ideas and innovative approaches? Or perhaps you're in search of a collaborator willing to assume responsibility for the entire venture? We might have a prepared solution tailored to your needs. Our top specialists' problem-solving expertise, coupled with years of experience accumulated by our company, empowers us to craft inventive, efficient, and practical solutions. These solutions can serve as your competitive edge, bolstering your ongoing development. The recommendations we frequently put forth leverage cutting-edge technologies and emanate from the realms of automation, robotics, and electronics.

### **EXPERTS – COMPETENT ASSISTANCE**

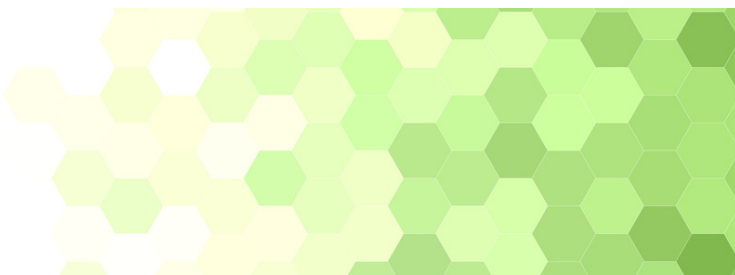
Flexibility is a crucial requirement for any business. The expertise and capabilities of Ruth-Energietechnik's professionals provide the adaptability necessary for diverse scenarios in your business activities. Whether your business requires additional resources, a fresh perspective, insights from different industries, assistance in expanding internationally, or specialized skills not currently present in your team, our proficient specialists are ready to augment your projects. They seamlessly integrate into your teams at the appropriate time and location, for the duration you require.

We possess seasoned expertise as project operators in various industrial applications and mechanical engineering.

The synthesis of different perspectives, gained insights and experiences from different industries will lead to the development of cutting-edge technologies and optimal solutions.

In dynamic business environments, our capable professionals are highly esteemed contributors to collaborative teams.

*Design with Passion, Create with Precision - Ruth-Energietechnik, the Power of Your Industry!*





## Industries - that where we can help you!



### COMERCIAL VEHICLES

The realm of commercial vehicles faces the highest and most intricate market demands. Product reliability, safety, and passenger comfort take precedence. The escalating emphasis on environmental considerations encourages sustainable and eco-friendly solutions. Additionally, the distinctive design of the vehicle plays a crucial role in shaping the business image for every manufacturer.

- Body design
- Interior
- Exterior design
- BiW design
- Steel structures
- Aluminum structures
- HVAC, pneumatic installations
- Electric and software design
- Production tools

### CONSTRUCTION EQUIPEMENT MACHINES

Facing a challenge or need a partner to take on a project? Our experienced specialists offer tailored, innovative solutions, leveraging cutting-edge technologies in automation, robotics, and electronics to enhance your competitive edge and foster ongoing development.



- Body design
- Interior
- Exterior design
- BiW design
- Steel structures
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- HVAC, pneumatic installations
- Electric and software design
- Production tools

*Ruth-Energietechnik: Machines That  
Take Your Business to a Higher Level  
of Efficiency!*



### **POWER PLANT DESIGN**

The energy sector is undergoing continuous transformation, impacting society on a global scale. Future energy and boiler plant systems demand intelligent and innovative solutions, focusing on energy efficiency, environmental friendliness, emissions, and life cycle operations. Customization, optimization, compliance with legislation, and digital integration are reshaping traditional business models.

- Process engineering
- Concept design, initial and detailed design
- Thermal power plant solutions and Calculation services
- Strength calculation
- Material selection expertise
- Automation design
- Instrumentation design
- Electrical design
- Site services
- EPCM project services



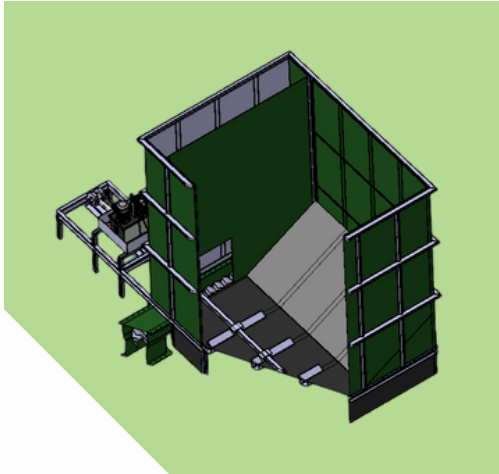
### **MATERIAL HANDLING AND CONVEYORS**

Efficient material flow management is vital for industrial competitiveness. Controlled material transfer, including conveyors, feeders, silos, and unloading devices, plays a crucial role in ensuring a safe and functional industrial environment. Automation and digitalization enhance the management of conveyor systems and other material handling equipment.

- Equipment and system design (EN-1090-2 / CE)
- Tendering documents and specifications
- Layout and foundation design
- Technology consulting
- Production maintenance planning
- Strength calculations (EN-1090-2)
- Site services, installation supervision and commissioning



## Our Expertise:

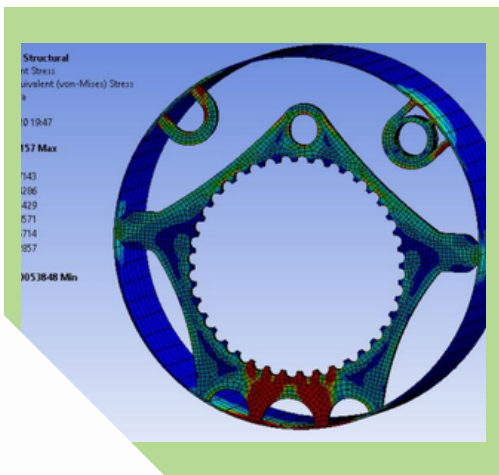
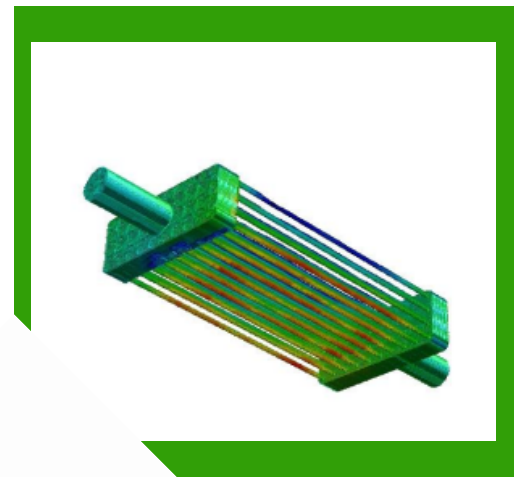


### NUMERICAL CALCULATIONS

**Precise 3D Models:** We harness advanced numerical computations to create accurate 3D models that form the foundation of our designs. These models provide comprehensive visualizations and allow us to optimize projects even before their physical realization.

### STRENGTH ANALYSIS

**Strength Simulations:** Our office specializes in conducting strength simulations, accurately predicting how our machines will perform under real operating conditions. This enables us to design machines with unparalleled durability and efficiency.



### OPTIMIZATION

**Efficiency Optimization:** Through advanced numerical computations, we can optimize the efficiency of our projects, minimizing energy losses and maximizing performance. Our solutions are tailored for both economic and environmental efficiency.



# RUTH

Energiotechnik

## Where are we from?

Ruth-Energiotechnik is a leading company based in Wrocław, Poland, specializing not only in the design of machinery and installations for the energy industry, but also has experience in the design of electrical installations, steel structures and HVAC systems. Our team of experienced professionals has gained valuable skills in various industries, enabling us to provide comprehensive design services from initial sketch to final solutions. In addition, we offer specialized numerical calculations, expanding our offerings to include precise analysis and studies in the engineering field. We are ready to meet a wide variety of design challenges.



If you are interested in our proposal -  
please contact us!



# RUTH

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*Innovation, Knowledge, Excellence -  
We Design Machines, We Create  
Progress!*



# RUTH

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