



SEPTEMBER 2024

# **ZUK Stąporków S.A.**

# **The future of industrial engineering**



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 **Mission:**

**This is ZUK  
Stąporków S.A.  
where quality  
matters!**







## Key areas of activity

We offer a wide range of products and services focused on several key sectors:

**Steel structures:** Including comprehensive solutions for construction and infrastructure.

**Conveyors:** Efficient transport systems for various types of materials.

**Concrete forms:** Innovative forms adapted to the specific needs of projects.

**Mechanical grates and exhaust gas treatment systems:** Advanced technologies supporting environmental protection.

## We offer solutions in the following sectors:



ENERGY



MINING



CONSTRUCTIONS



CELLULOSE



CEMENT & LIME



SMELTING



ROAD & RAIL



MARINE



INFRASTRUCTURE



RENEWABLE ENERGY



SOURCES



PAPER



RAFINERIES



SHIPBUILDING



MILITARY, DEFENCE





# Professionalism and experience

## EXPERIENCED SPECIALISTS

- **150 qualified employees:** We employ a wide range of professionals, from engineers to technicians, who regularly participate in training to improve their qualifications.
- **28 engineers with higher technical education:** Our engineers have diplomas from renowned technical universities and are experts in their fields.
- **The average employment experience in the industrial sector is 15 years:** Our team has extensive experience in the design, production and implementation of industrial solutions.







# Professionalism and experience

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## TECHNICAL EXPERTISE

- **International Certifications:** Many of our engineers hold international certifications such as International Welding Engineer (IWE) and International Welding Inspector (IWI), ensuring compliance with global quality and safety standards.
- **Specializations:** Our staff specializes in a wide range of technical fields, including automation, robotics, laser cutting, as well as advanced metalworking and welding methods.





# Professionalism and experience

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## TEAM-LEAD INNOVATION

- **Patent and New Technology Development:**  
Our team has played a key role in the development of several patents, which has enabled the introduction of innovative solutions to the market that significantly improve operational efficiency and reduce costs for our clients.
- **R&D projects:** We conduct active research and development projects that focus on improving existing technologies and exploring new opportunities in the field of industrial engineering.







# Certificates

Quality and compliance with standards are the basis of our business. Having a wide range of qualifications and certificates allows us to meet the expectations of the most demanding customers around the world.

## Certificate of Conformity for Factory Production Control for Steel Structural Elements EXC3 according to PN-EN 1090-2:2018



## Certificate of Quality Requirements for Welding Processes

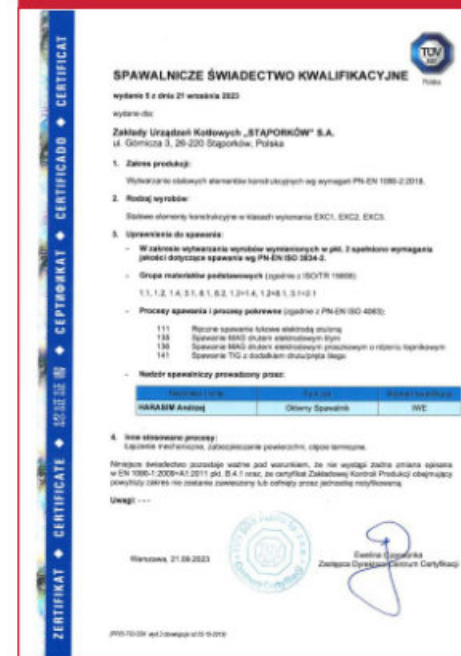
PN-EN ISO 3834-2:2021-09



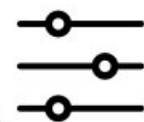
## Certificate of Compliance with the Integrated Management System Requirements: PN-EN ISO 9001:2015, PN-EN ISO 14001:2015, and PN-ISO 45001:2018



## Welding Qualification Certificate EX1, EX2, EX3



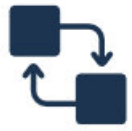




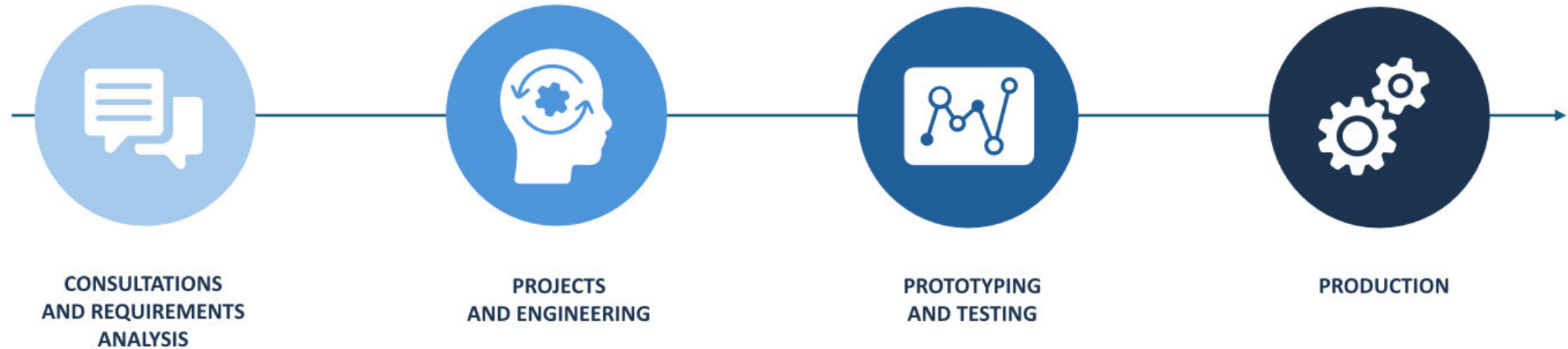
## Realizations and custom projects







# The process of creating custom designs





# Implementation examples

**CONVEYORS FOR THE  
MINING INDUSTRY:**



**EXHAUST GAS CLEANING SYSTEMS  
FOR THE ENERGY INDUSTRY:**



**STEEL STRUCTURES FOR  
CONSTRUCTION:**





# Technologies and materials used

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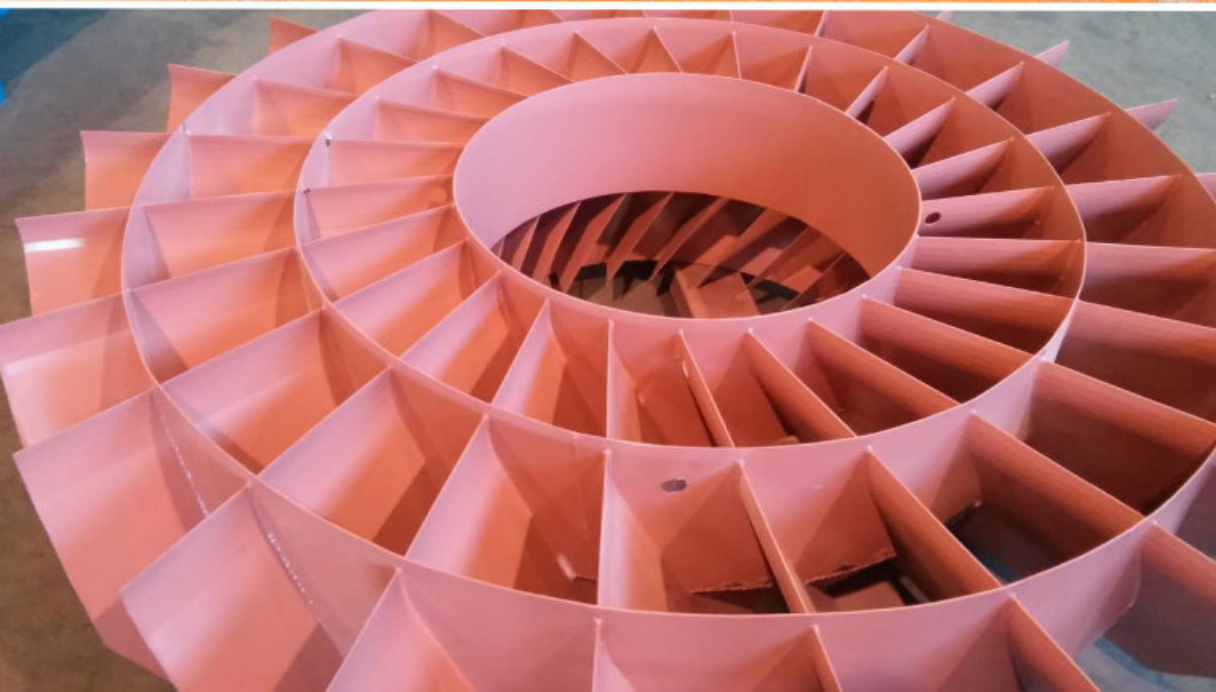
## **USE OF HIGH-STRENGTH STEEL:**

We use innovative steel grades that ensure better durability and strength of structures while reducing their weight.

## **MODERN WELDING TECHNIQUES:**

The use of advanced welding techniques that guarantee higher quality welds and longer product life.





## Individual approach to each client

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### **TECHNICAL SUPPORT AND SERVICE:**

We offer full technical support as well as warranty and post-warranty service, which ensures continuity and reliability of operations for our customers.

### **TRAINING AND CONSULTING:**

We provide training for end users that help them effectively use the systems and machines provided.

Thanks to the flexibility in adapting solutions to individual needs and the constant pursuit of perfection, ZUK Stąporków S.A. is a leader in creating custom designs that not only meet, but often exceed the expectations of our clients.



# Innovation and development

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## BREAKTHROUGH TECHNOLOGIES FOR THE INDUSTRY OF TOMORROW

Innovation is the heart of our development strategy. We strive to continuously improve our products and processes to provide our customers with the latest technologies and solutions.

## Innovation strategy:



### Customer-Focused Solutions:

Our innovations are driven by customer needs; we analyze their challenges and requirements to create products that have a real impact on their operational efficiency.



### Cooperation with Scientific Centers:

We maintain close relationships with universities and research institutes, which gives us access to the latest research and technological trends.





# Research areas— developmental

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## **ROBOTICS AND AUTOMATION:**

We develop automated control systems for our machines, including advanced AI algorithms to optimize production processes.

## **HIGH PERFORMANCE MATERIALS:**

We research and implement new materials, such as ultra-strong metal alloys and composites, that offer improved performance and durability.

## **ECO-INNOVATIONS:**

We develop technologies that minimize the impact of our products and processes on the environment, including exhaust gas purification and energy recovery systems.





# Machine park

Thanks to our modern machinery, we are able to implement the most complex projects with unrivaled precision and efficiency.

## CUTTING AND PROCESSING:

**Laser cutting of sheet metal:** We use TRUMPF and BYSTRONIC lasers, which enable cutting of sheet metal with maximum dimensions of 2000x6000 mm and a thickness of up to 25 mm.

**CNC machine tools:** Our CNC machining centers allow machining with an accuracy of 0.01 mm, which is crucial for the high quality of our components.







# Machine park

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Thanks to our modern machinery, we are able to implement the most complex projects with unrivaled precision and efficiency.

## WELDING AND ASSEMBLY

**Welding robots:** Automated welding stations, including Universal Robots, which ensure high repeatability and quality of welds.

**Assembly of complex structures:** We have specialized equipment for the assembly of large structures, which enables effective and safe work.

# Production support technologies:

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## **PROCESS AUTOMATION:**

We use advanced production management and automation systems that integrate operations in real time, increasing throughput and minimizing the risk of errors.

## **INSPECTION AND QUALITY CONTROL:**

We use modern inspection methods, including 3D scanners and vision systems, which guarantee compliance of manufactured parts with the highest standards.



# Sustainable development and energy innovation:

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## **ENERGY SAVING TECHNOLOGIES:**

We implement solutions aimed at reducing energy consumption, including heat recovery systems and optimization of thermal processes.

## **SUSTAINABLE DEVELOPMENT INITIATIVES:**

Our activities include both improving energy efficiency and minimizing post-production waste through recycling and reusing materials.



# ZUK Stąporków S.A.

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We invite you to contact us and start long-term cooperation. We guarantee professionalism, innovation and the highest quality of our products.



since 1738

## Contact:

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