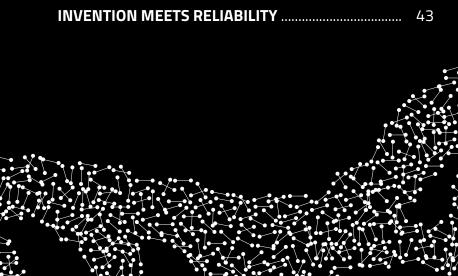
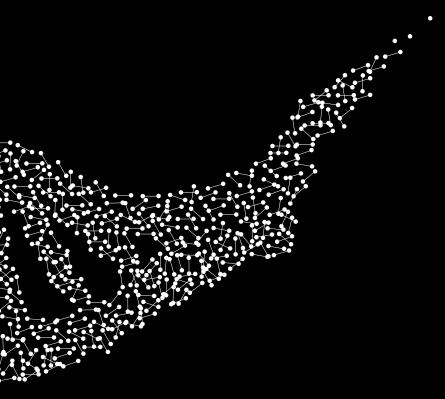


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Just like people, companies are organisms that reflect their creators, the environment in which they grow, the obstacles that appear in their path, and the strengths that allow them to be successful. Organisms carry a set of core principles and values providing information about the actions and the results of their work. In short, they have their DNA and, encoded within, their values. In these lie the answers to the two simple, yet most difficult and important questions: who they are as a company, and why it matters.



KIM JESTEŚMY

MISSION

VISION

SECOLOGY

The mission tells us why we exist, for whom we do what we do, why we do it, and what the purpose of the company's existence is.

Thanks to the experience and expertise of our employees as well as cooperation with business partners, we create innovative products that give our customers reliable, safe, and environmentally friendly heat treatment and metallurgy solutions ensuring the economic efficiency of their business.

The vision is our dream, inspiration, encouragement, stimulus, signpost.

We want to be the first-choice provider of heat treatment and metallurgy solutions. Innovation and reliability are evident in the way we think and create anywhere in the world.

The ECO prefix is inscribed in our name and the Group's DNA. We do not talk and do not think differently about ecology other than Secology, because we look at environmental protection so broadly.

Secology is therefore a set of projects and ecological social initiatives, ecological investments within the company and the green technologies that we use or create.

Secology, thus, is not a new science or strategy, it is the SECO/WARWICK Group's attitude visible in various aspects of its operation.



ROOTS

The cornerstones of the Group are distinct brands and companies, either acquired or built from scratch, and for this reason, the roots of the SECO/WARWICK Group reach as far as the USA, Germany, China, India, Brazil, France, Canada, and Poland. The SECO/WARWICK Group is the result of a fusion of three brands, SECO/WARWICK, SECO/VACUUM, and Retech, a unity of countries (Germany, Poland, the USA, China, and India), and the power of history ,in combination with the experience of Elterma (founded in 1950, acquired in 2003), Camlaw, and Retech (founded in 1963, and acquired in 2010).

These achievements have allowed us to create he excellent and shared history of the SECO/WARWICK Group built up over the years. The company continues to grow, searching for new possibilities for its further development. That is why in the early 90s, the SECO/WARWICK Corporation (founded in 1984) formed a joint venture with the Polish company Trans-

VAC, whose executives on 1st June 1991 laid the foundation for the present-day SECO/WARWICK Group. We've been growing, creating new technologies, building new furnaces, taking markets by storm, opening regional branches, as we are always thinking globally, yet acting locally.

These and other events have shaped us and our company in terms of technology, business management, customer cooperation, and growth. All this has resulted in the SECO/WARWICK Group having daughter companies in Poland, Germany, China, India, and the USA, using 3 brands, developing dozens of patents, winning numerous prizes, and becoming a proud implementer of thousands of solutions in more than 70 countries.

The SECO/WARWICK Group has built a strong foundation to create a global technological center of heat treatment and vacuum metallurgy, and proud to be our Partners' first choice.

1963 RETECH

1984

Establishment of SECO/WARWICK Corp.

1991

The joint venture SECO/WARWICK Sp. z o.o. starts operating in Poland 2002

Acquisition of intellectual property of CAMLAW Ltd.

2003

Acquisition of ELTERMA S.A.

2004

Establishment of the branch in Moscow

2005

Entrance into the Chinese market

2007

Initial Public Offering on the Warsaw Stock Exchange



2010

Retech LLC becomes the property of SECO/WARWICK 2014

Establishment of SECO/WARWICK Germany 2016

Creation of SECO/WARWICK Services 2017

Establishment of SECO/VACUUM TECHNOLOGIES. Creation of SECO/WARWICK System & Services (INDIA) Pvt. Ltd. 2019

Appointment of SECO/WARWICK Group's new CEO – Sławomir Woźniak



WHAT WE BUILD

For over 100 years, the SECO/WARWICK Group has been building the global heat treatment and metallurgy industry by providing industrial furnaces for leading companies in the following sectors: aviation, automotive, machinery, medical, toolmaking, power, and commercial heat treatment.

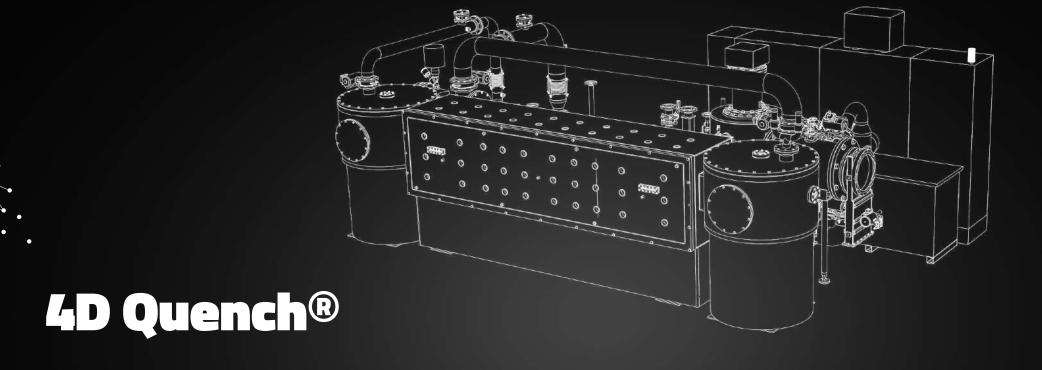
The company specializes in end-to-end solutions in 5 categories: vacuum heat treatment, aluminum thermal processing, atmosphere thermal processing, brazing of heat exchangers, and vacuum metallurgy.

Our solutions help to produce control system components, gears, aircraft landing systems, turbines, aircraft engine blades, plane and car heat exchangers, surgical instruments,

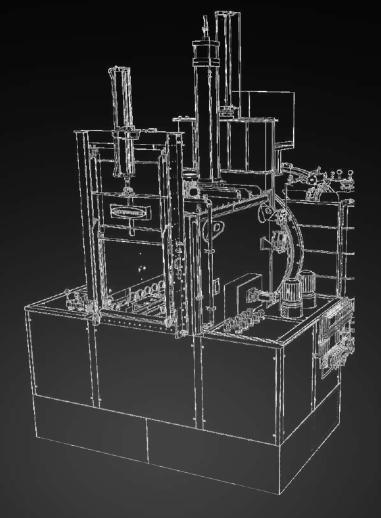
and coins, as just a few examples of heat treatment and metallurgy applications.

We give our customers reliable, safe, and environmentally friendly solutions for heat treatment and metallurgy that ensure the economic efficiency of their business. As Albert Einstein used to say, problems cannot be solved with the same thinking that was used to create them. That is why at SECO/WARWICK we create and implement technologies that break generally accepted rules and stereotypes.





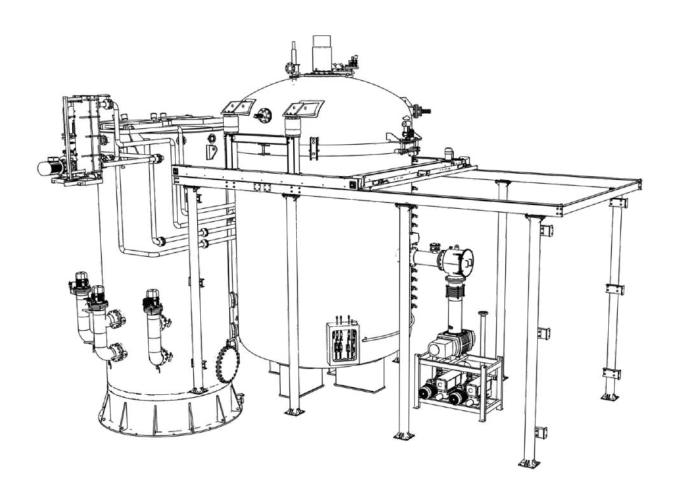
The 4D Quench® is the answer to the current needs of the most demanding industries in terms of quality and repeatability of quenching results as well as minimization and control of quenching deformations. It is designed for single-piece flow quenching in high-pressure gas, for all those who are looking for a better alternative to press quenching.





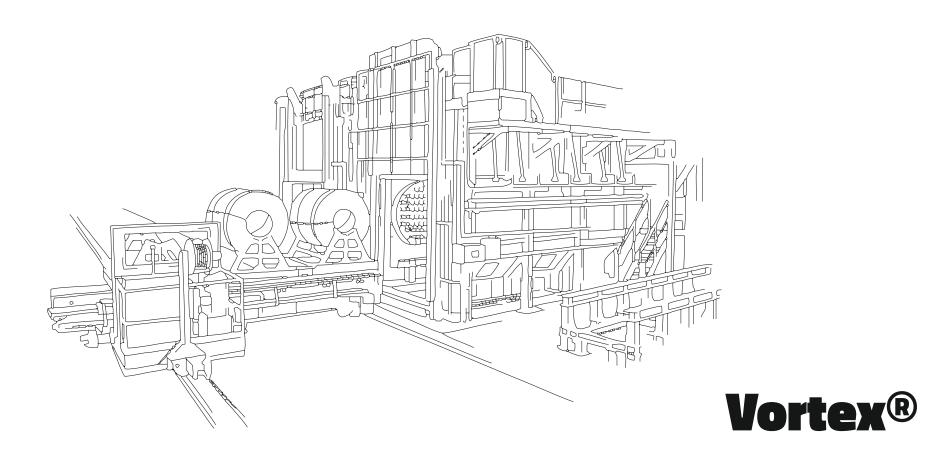
The Super IQ® is a hybrid system combining, in a single furnace, the best traits of a conventional furnace and a vacuum furnace. It is primarily designed for carburizing processes at elevated temperatures, and for hardening.

The industry demands a cleaner, faster and, above all, more effective method of carburizing. In comparison with traditional methods, the Super IQ® offers advantages in terms of improved productivity. It operates in higher temperature ranges, which translates into shorter cycles and this, in turn, into more efficient production.





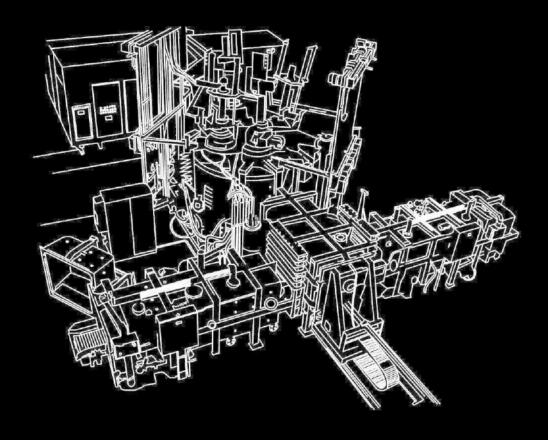
Effective and efficient carburizing, excellent quality – at reduced process and running costs. The ideal solution for manufacturers carburizing massive or longitudinal elements such as gearwheels, bearings, drilling tools, and other elements that require thick carburized layers. The applied LPC technology allows high homogeneity of process parameters, which has an effect on the thickness of the carburized layer and on the quality of the processed detail. Pit-LPC is characterized by a minimal consumption of process gases, no flammable or explosive atmosphere, and low heat emissions.



The patented High Convection Jet Heating System is designed for heating coils of aluminum sheet during the dual processes of inter-operation annealing and final annealing. This energy-saving and efficient system is based on specially shaped nozzles that generate a spiral flow of the heating medium, in combination with a powerful fan and a unique system of baffles. Furnaces fitted with the Vortex® system make it possible to shorten the time necessary to heat up the material without the risk of overheating it. As a result, these furnaces are more productive than other solutions seen on the market.

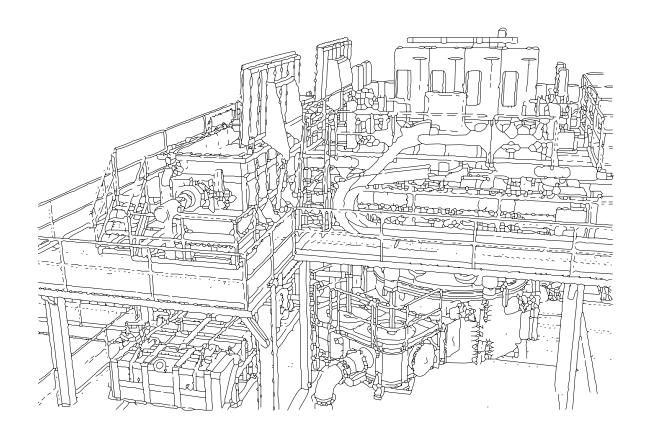


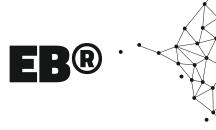




This melting furnace uses a plasma arc that ensures a significant improvement in the properties of alloys and offers the possibility of developing and producing new complex alloys.

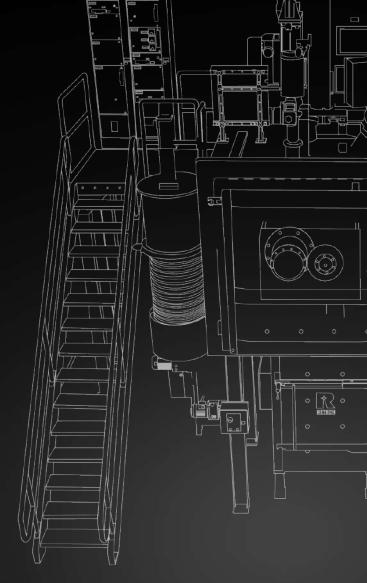
Melting takes place in a protective atmosphere (usually helium or argon), in a sealed chamber. The furnace hearth is free of elements that would contaminate the alloy (such as oxygen) and, thanks to its design, produces a 'clean' casting by eliminating inclusions of both high and low density. PAM spans a wide range of equipment – from small laboratory furnaces with a capacity of a few kilograms, all the way to multi-ton production furnaces.





The EB Equipment is a technology where the melting process is carried out by means of an electron beam. This system allows for the effective refining of the melted metal and offers a high degree of flexibility in the heat source. It is therefore the perfect way to melt and refine metals and their alloys under high-vacuum conditions, in water-cooled copper crucibles.

EB melting systems are designed for the production of high-quality ingots and bars from raw and/or refined material. The fed material can also be ingots previously melted in a VAR furnace (primary melting). At present, this process is mainly used for the processing of high-temperature creep resistant metals and reactive metals (tantalum, niobium, molybdenum, tungsten, vanadium, hafnium, zirconium, titanium) and their alloys. An EB melting system is therefore used primarily for recycling titanium scrap as well as the consolidation of melted metals.



A VIM furnace is used for the production of high-quality precision castings, most often the blades of power turbines and plane turbines made of superalloys. This technology is the top solution in the segment of melting equipment.

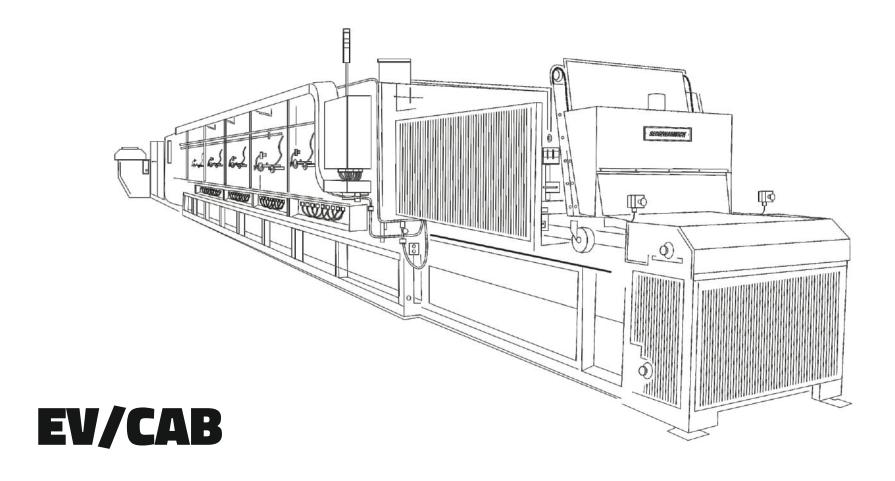
Depending on the working parameters of the castings, the furnace can be designed for the production of equiaxed blades (EQ), directionally solidified blades (DS), and single-crystal blades (SC) that meet the most stringent requirements.

Highly accurate measurement systems and precise drives combined with a modern intuitive control system ensure repeatability of processes and satisfaction of the demanding requirements of the aviation industry.

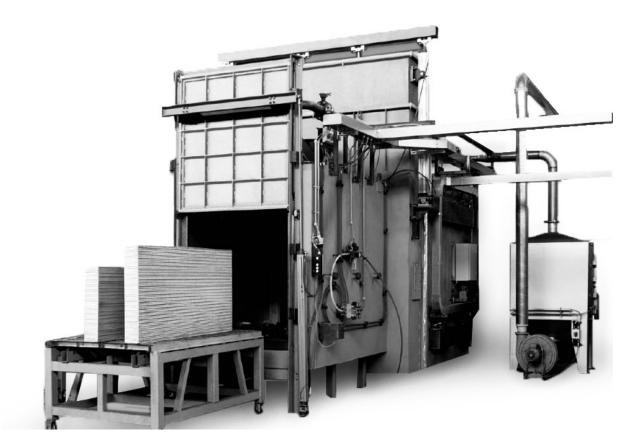


JetCaster

This innovative vacuum casting furnace opens up a number of new possibilities in the field of single-crystal casting nickel and cobalt superalloys. The applied single-crystal casting technology allows us to build a unit fitted with a casting cooling system that uses a supersonic argon stream, and to offer the following features: possible operation in SC/DS/EQ modes, significantly increased speed of removing single-crystal castings, non-contact measurement of the temperature gradient in the crystallization front area with automatic mold removal speed control, low percentage of casting defects (both macro- and micro-structural), possibility of double or triple shortening of the single-crystal casting process.



Our continuous CAB furnaces use a variable speed drive and a stainless-steel mesh belt to move products. The controlled atmosphere brazing (CAB) process heats a product to brazing temperatures while maintaining uniform temperatures within the product in an oxygen-free nitrogen atmosphere. EV/CAB is CAB answer for e-mobility, a system designed to braze large-size car battery coolers for the EV electric car industry.



Universal CAB Batch Furnace

A universal chamber furnace means high quality brazing during low volume production. This type of furnace is intended for brazing a wide range of heat exchangers in either a horizontal or vertical position, depending on the requirements related to their design. It allows users to manufacture top quality products with both standard and vacuum flushing options. In an extremely short time, the furnace can be heated from ambient temperature to brazing temperature maintaining the correct atmosphere inside. The chamber furnace provides different heating and cooling speeds, depending on the product requirements.



THE EXPERT IN METAL HEAT TREATMENT TECHNOLOGY

At SECO/WARWICK, we approach each project individually – often, the customer is looking for a solution that requires cooperation between different segments. Knowing what the customer needs, we select the best technology and solution together with experienced experts.

Application: for over 100 years we have been meeting the most stringent requirements of the industry and renowned customers, solving the most difficult technical/process tasks, and achieving success worldwide.

ndustry: Wherever there is heat treatment and metallurgy, there are our solutions.

Unique features: energy-efficient and environmentally friendly equipment, access to new solutions and technologies that we ourselves define, state-of-the-art control and data analysis systems, and professional maintenance services available in every part of the world.

Technologies: those that give the best results. Our partners have access to the knowledge, experience, technology, and specialists in the fields of engineering and science who look for the best solutions

Scope: standard and dedicated solutions, delivery of equipment including process and auxiliary equipment, installation and start-up, maintenance service, technical and process training, trials and tests under industrial and laboratory conditions, analyses and simulations.

The solutions of SECO/WARWICK also include furnaces for carrying out fireproof tests, vacuum equipment, chambers for performing precision tests, thermal processing systems, production lines for heating and forming car windshields, and custom solutions that allow us to gain an advantage over our competitors.



that requires cooperation between different segments. Knowing what the customer needs, we select the best technology and solution together with experienced experts.



WHAT SETS US APART

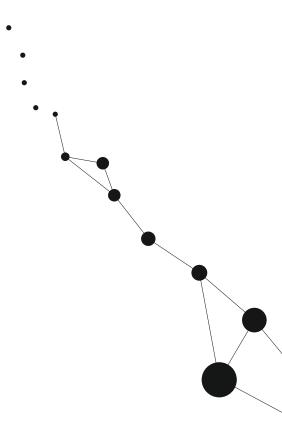
The power of SECO/WARWICK Group is the power of its innovation, measured by the distance between our company and its competitors. It can also be measured by the number of patents and trademarks, completed projects, and the long list of references and customers around the world.

At SECO/WARWICK, patents are not just about statistics (there are more than 50 of them!). These inventions are well-thought-out and strongly customer-oriented solutions, thanks to which the company is gaining a significant advantage over its competition. SECO/WARWICK's patented inventions and solutions in the fields of vacuum furnaces, vacuum carburizing technology, and aluminum annealing furnaces, for example,, are successfully applied and realized in the daily work of customers worldwide.

Award-Winning Leader of Innovation

We have received a number of prestigious awards and distinctions recognized in the industry and in the world of business in appreciation of our extensive research and development activities (INNOVATION LEADER, MERIT FOR INVENTIVENESS), but also as a confirmation of our company's financial transparency and special achievements for the economy (BUSINESS GAZELLES), diligence in providing services, and an impeccable reputation among customers and business partners (TRUSTWORTHY COMPANY). HSBC Bank placed SECO/WARWICK in the top group of companies developing their business in the international arena and awarded us the title of Hidden Champion, while the title of EXPORT BRAND is proof of recognition for the company's developmental efforts on international markets.





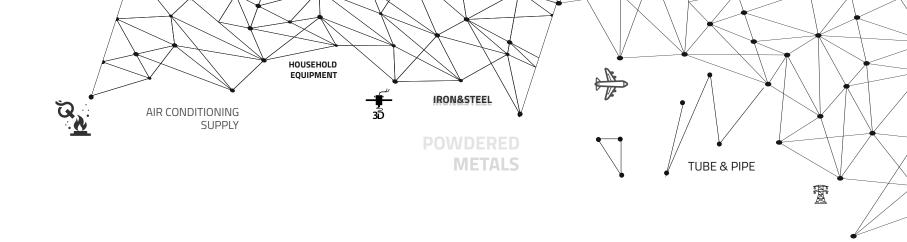
WE DEFINE TECHNOLOGIES

However, it is the needs of our customers that sets a new path for the development of SECO/WARWICK and our products. Research and development projects, laboratories, and world-class scientific personnel are the people who work with our engineering staff to create solutions that will support our customers in the most effective manner. To us, innovation has many names.

Our R&D department conducts its own unique research, full metallographic testing, develops technologies both obtained and purchased, and, together with product departments, creates unique solutions. At R&D, we look for innovative solutions, analyze structural and technological issues, and optimize processes by implementing the latest developments of science and technology. We do all of this to meet the needs of the market and individual customers.

Our own metallographic laboratory (SECO/LAB®) enables us to carry out advanced research including the analysis of metal structures observed on appropriately prepared samples at high magnification.





WHO WE BUILD FOR

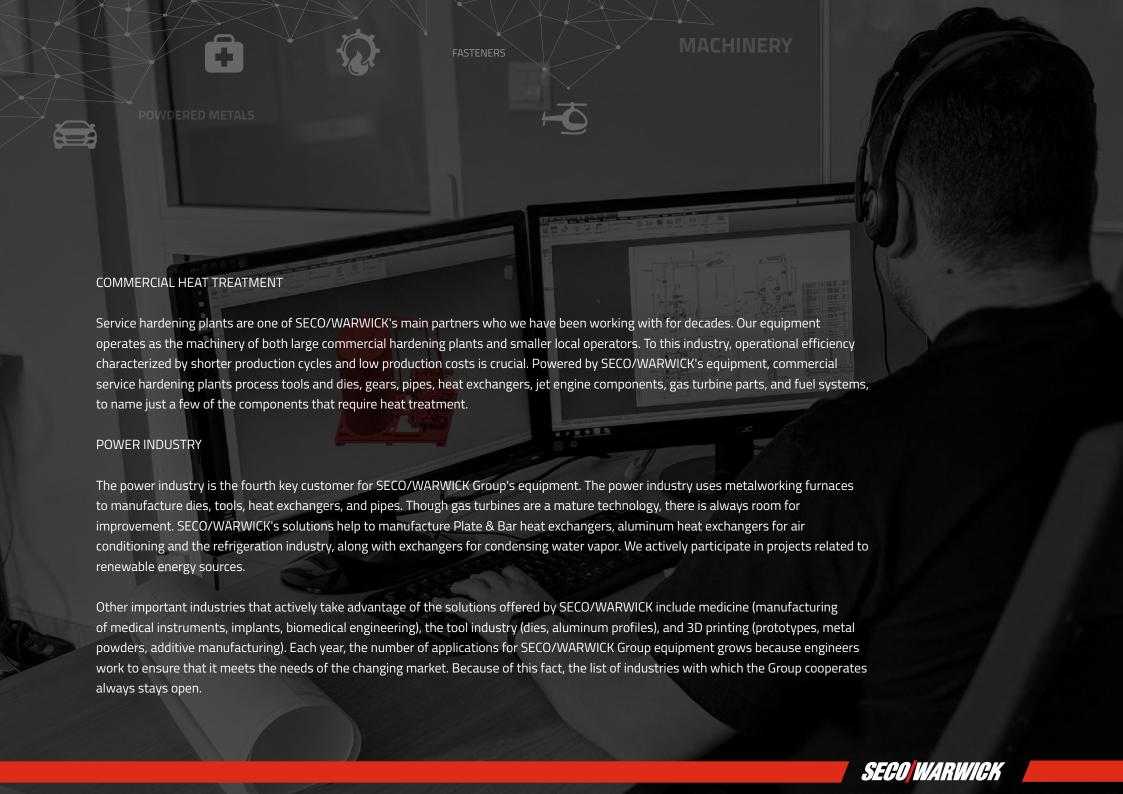
We supply technologically advanced furnaces to the world's leading industries. 70% of the customers for SECO/WARWICK's solutions are demanding industries and globally recognized brands.

AVIATION

We cooperate with almost all the major players in the aviation sector. One could say that SECO/WARWICK has its modest share in the vast majority of passenger aircraft production. For this industry, we provide solutions for the manufacture of plane engine blades, heat exchangers, turbine blades, aluminum coatings, landing gears, and brakes, fasteners and other critical components.

AUTOMOTIVE INDUSTRY

The automotive industry uses heat treatment to manufacture gearwheels, bearings, shafts, rings, and bushings. The most important thing for this industry is the reliability of the solutions, their efficiency, and repeatability of processes. Therefore, solutions proposed to this industry must consider the need to reduce deformations, lower process costs, shorten the cycle time, apply effective and efficient carburization, and reduce CO2 emissions.





CUSTOMERS ARE OUR REFERENCES

Our mutual commitment

See who has trusted us. Customer reviews are the best recommendation.

"SECO/WARWICK's strengths lie primarily in its ability to apply innovative designs meeting non-standard requirements."

"We choose technological partners who take on the most difficult tasks expected of equipment today. What matters to us is the stability and continuous operation of equipment over many years, which SECO/WARWICK Group guarantees."



"In our many years of cooperation with SECO/WARWICK, we value process and maintenance support the most. The technological knowledge and individual approach of SECO/WARWICK engineers to challenges is, in our opinion, as valuable and unique as our products."

"We decided to partner with SECO/WARWICK because of this company's innovative thinking and established position on the market. The number of projects and implementations as well as the scale of activities are truly impressive."

"Our team of specialists values the cooperation with SECO/WARWICK experts and technologies. We expect solutions of the highest quality due to the demanding requirements of the aviation applications that we work with.

SECO/WARWICK's experience and profound knowledge helps us keep our promises. This is a true partnership."



TEAM = VALUE

We believe that apart from technology and a good strategy, the decisive factor for our advantage over the competition is our people, in other words, the team. It is the team that started the company years ago, and it is the team that continues to give us the edge. The power of the team, its ability to do practically anything, and its knowledge mean that the SECO/WARWICK Group continues to set trends rather than follow the beaten track.

We operate on all continents and provide a global team of experts. Thanks to the experienced international team, mutual understanding, dialog, communication, and an efficient exchange of information, we live up to our customers' high expectations.



A PARTNER ON A GLOBAL SCALE

- International Branches of SECO/WARWICK
- Solutions provided by SECO/WARWICK

SECO WARWICK

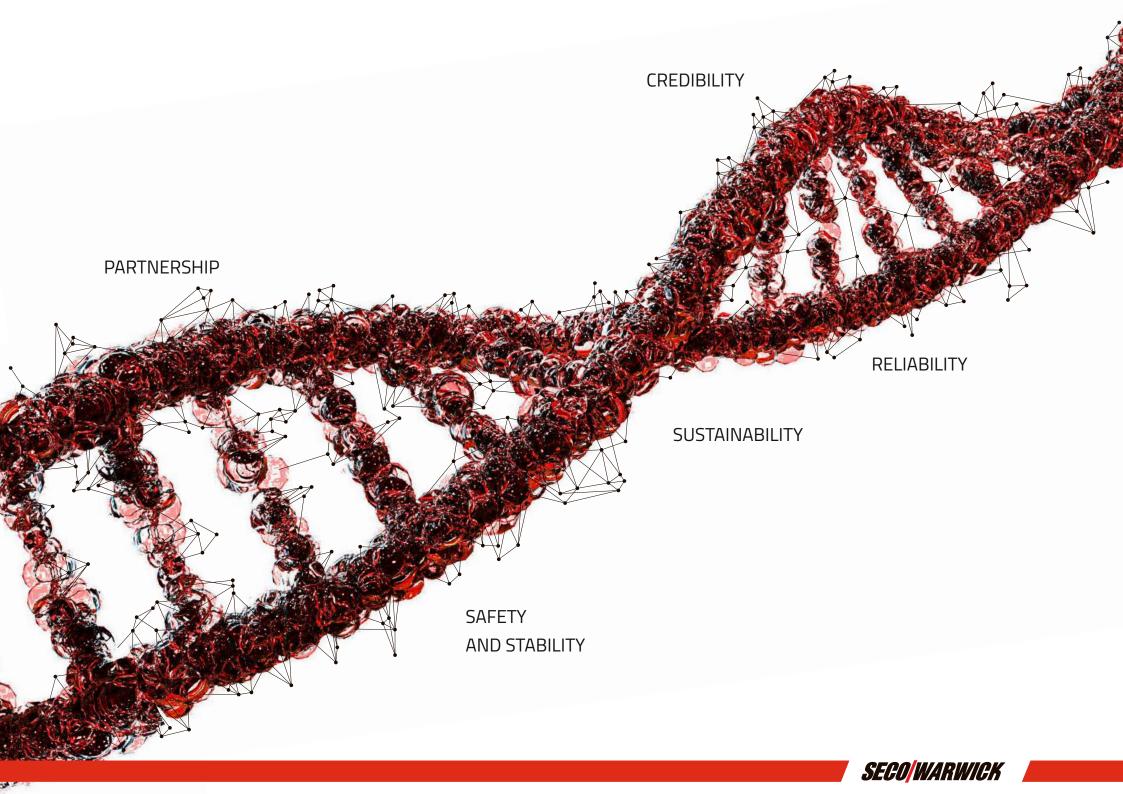


WE HAVE VALUES IN OUR DNA

SECO/WARWICK's values are like human DNA. They were created when the company was conceived from the vision and values of its founders. They formed a DNA chain whose basic genotype is DEVELOPMENT of both ourselves and our partners. This fundamental trait enables us to innovate by expressing our values in new business models, organizational designs, and offers – our organization evolves and changes over the course of its life, expressing itself differently depending on the environment.

While, in nature, it is the genetic compatibility between the donor and the recipient that determines whether the joining of two organisms will be successful, at SECO/WARWICK success is the ability to match our DNA of values with business strategies and with the market.

INNOVATION



OUR VALUES

The SECO/WARWICK values are similar to human DNA. They are inherent to the company and their roots come from the vision and values of its founders. They create a DNA chain with our and our partners' DEVELOPMENT as the primary genotype.

Our innovations are not limited to creating modern furnaces or production lines with advanced technologies. INNOVATION means to take actions leading to the development of new or better products, processes, technologies or organizations. We know that innovation is omnipresent, therefore we want it to be visible in our thinking, approach and performance, anywhere in the world, at any workplace and in any operation. In the relationships with our customers, suppliers and employees, we put the interest of the other party first.

PARTNERSHIP means that for us, a mutual obligation of the parties is founded on respect and responsibility, and feedback is part of our development because it enables us to design SAFETY AND STABILITY in all reliable products that we deliver. What is more, the creation chain involves people whom we wish to provide with stable jobs and continuous development. And for our partners, we want to be a sure and business-sound option because you shall not disappoint your partner. Therefore, another one of our values is RELIABILITY so that we do not disappoint you as people, partners, and technology providers. This makes us CREDIBLE, one of the global business community's critical challenges. Such a broad perspective, also considering the impact on the environment, people's needs and social responsibility, allows us to achieve long-term SUSTAINABILITY in our economic and organizational growth.





SOCIALLY RESPONSIBLE

Being an entrepreneur does not limit us to selling products or services. We support the initiatives undertaken by residents, employees, and community organizations that we believe are right and in line with our values and objectives.

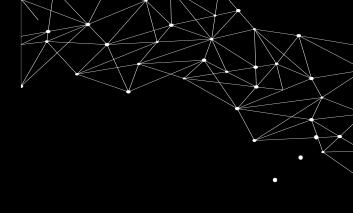
In terms of Corporate Social Responsibility, business defined and represented by SECO/WARWICK is:

- + responsible, including social responsibility,
- + a partnership with customers, employees, society, families,
- + in tune with reality, including close (local) reality and surrounding reality,
- + practices internal and external transparency,
- + consistent in action, approach, and thinking,
- + has a heart for people (families) and for the environment.

It deserves to be mentioned that our activities are carried out not only in response to requests or appeals from NGOs, but also those from individual people and public interest establishments. Employees from the CSR team analyze the needs of the various stakeholders and select initiatives in which we want to be, and should be, involved.







. WE SUPPORT

Not just socially. We also support our customers in maintaining the continuity of production, because it is the priority of every production company. Every user of an industrial furnace wants to minimize the risk of failure while maximizing their certainty of this equipment operating effectively.

This is why SECO/WARWICK has divided industrial furnace services into two main groups: traditional maintenance services that include reactive and preventive maintenance, and services related to the possibilities of Industry 4.0 that include proactive and predictive maintenance.





TAILORED TO YOUR NEEDS

We know and understand equipment, which is why SECO/WARWICK increases equipment availability through automated maintenance processes and provides construction services and technological support during overhauls, upgrades, and relocations. We also carry out preventive inspections and the resulting preventive measures, warranty and post-warranty repairs, regular and/or periodic testing, maintenance work, and operator training.

With SECO/WARWICK, the phrase 'profesional maintenance services' means more than just a repair in case of failure. It means reaction, support, speed, readiness, dialog, and availability, regardless of the brand of the equipment. The experience of our maintenance team allows us to offer comprehensive maintenance services for furnaces of various brands.





The SECO/WARWICK maintenance team stands for quality, knowledge, and experience, allowing you to manage your heat treatment machinery in a planned and professional manner.

The common misconception of the work of a maintenance department is to be summoned to fix a faulty machine is no longer good enough. Today, maintenance strategy is a whole field of knowledge that the market's best companies implement to suit their customer's needs. Fully professional maintenance services encompass the stages of technical designing or upgrading of equipment, developing user and maintenance personnel manuals, ensuring availability

of equipment operation at the required level (SLA), maintenance programs, advanced prevention techniques, and rapid response in case of failure.

SECO/WARWICK sets trends in this field by implementing solutions that are not commonly available on the market. Using new technologies, it offers dedicated programs related to increasing availability, increasing efficiency, and reducing costs.



INVENTION MEETS RELIABILITY

SECO/WARWICK's DNA is in every product, solution, strategy, and project. It is what makes us different and what gives our customers an advantage.

It allows SECO/WARWICK to be the metal heat treatment market leader – an innovator who, together with numerous research institutes, defines new solutions and offers equipment with modern technology, tailored to needs, possibilities, and objectives of our customers. Efficient logistics, delivery, assembly, and start-up of equipment, maintenance in every corner of the world, technical and process training, an international team of experts and specialists. All these things result from the need for never-ceasing development that has been etched into the company's DNA from the very beginning of its existence and still is – in every moment and in every thought.

Thanks to SECO/WARWICK's DNA and the values encoded within, the company continuously achieves spiraling growth and is truly the company where ... **INVENTION MEETS RELIABILITY.**

