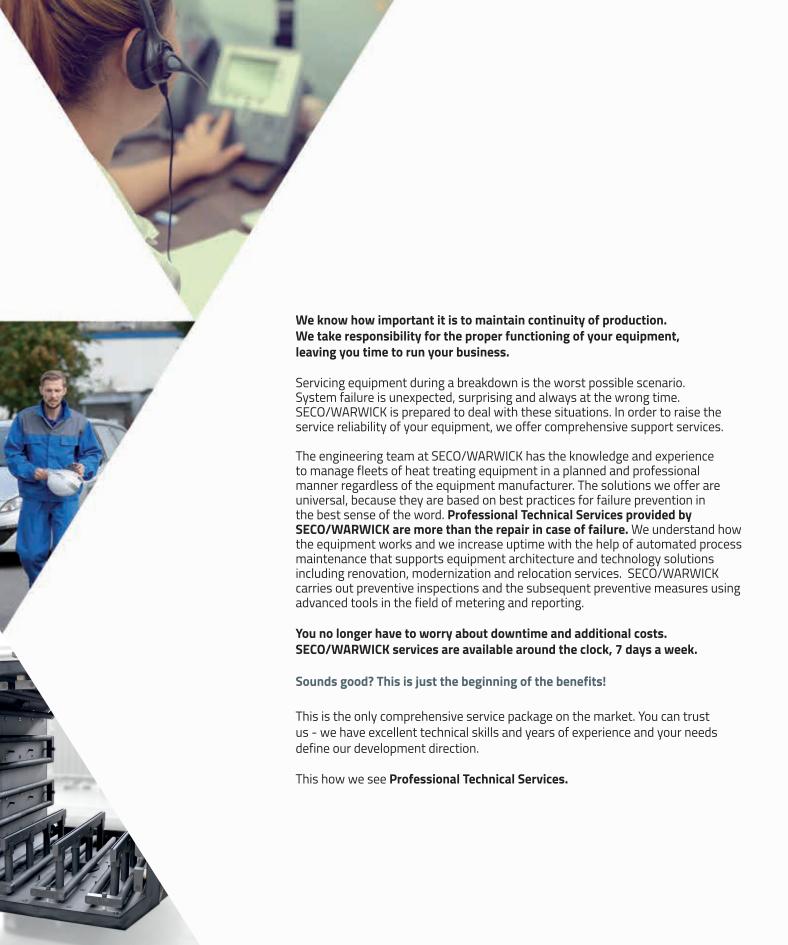
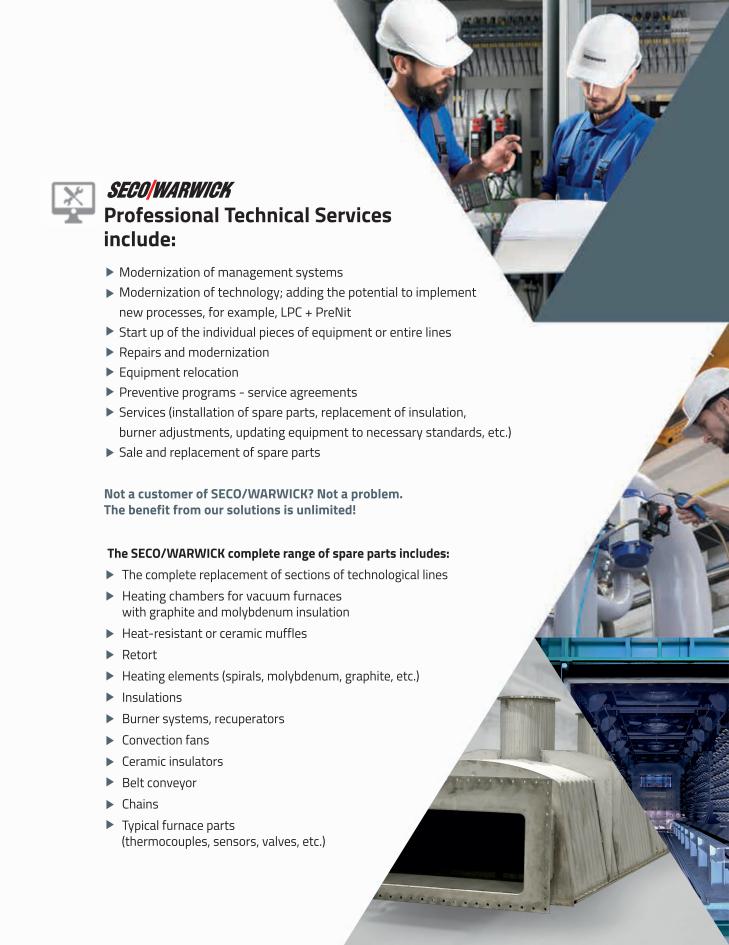


Professional Technical Services

A new dimension of support for heat treating equipment & processes









SECONOMY | Increase your competitiveness

This unique SECO/WARWICK offer is designed for companies that want to increase their competitiveness, and are searching for ways to reduce production costs and emissions.

See how much you can save!

- **1. Waste heat recovery from heat** treating processes for heating buildings and/or hot water.
- **2. Reduction of heat loss up to 50%*** by replacing the insulation using the latest insulation materials.
- **3. Reduction of gas consumption up to 40%*** after the modernization of the heating system (replacing or supplementing the existing combustion system with optional recuperation).
- **4. Production costs savings of up to 50%*** by changing the fuel for heating from liquid or electric to gas.
- **5. Improvement of equipment performance and energy usage** by upgrading the control system, which allows you to control motors in start-up and load matching to the current needs.

Do you have equipment that is 10 years old or over? Then this offer is for you!

*All values are approximate and do not constitute an offer. The actual reduction possibilities are calculated for each piece of equipment individually, and may differ from those listed.



SECOLUTION | Business decisions based on facts

The SECOLUTION offer facilitates both system control and facilitates making key decisions in the heat treating process. With SECOLUTION, gaining a competitive advantage is easier, thanks to a better understanding, control and use of the existing machine ecosystem. The functionality of the offer provides system optimization and advanced data analysis, enabling users to respond and monitor the progress of work-in-process. SECOLUTION is also a smart preventive maintenance tool with advanced data analysis of equipment operations.

To serve your business interests, we have implemented new and innovative tools to support your daily operations.

1. SECO/PREDICTIVE

This is a smart tool that can detect potential failures before they occur, thus the risk of unplanned shutdowns and failures is minimized and the availability of equipment is increased.

2. SECO/STATISTICS

SECO/STATISTICS is a software for monitoring and analyzing the most important indicators of equipment operation, which enables efficient its use and optimal downtime scheduling.

3. SECOPTIMIZER

This tool monitors recipe times and ongoing heat treating processes, and automatically manages the loading and unloading, measurably reducing the costs related to the use of equipment by minimizing the idle time and maximizing their use time. It increases use of the existing machine park, which is possible by optimizing the batch queuing.

4. SENERGY

Monitors, controls, reports and optimizes energy demand and minimizes overall costs of energy consumption.

5. Manufacturing Execution System (MES)

MES, a manufacturing execution system, takes full advantage of the company's entire IT capabilities, including the complete manufacturing process. Some of the system's features are:

- ► The visualization and real-time management of energy resources and production
- ► The display of alarms and events
- ► Heat treating recipe management
- Access to historical data on heat treating processes
- ▶ Remote diagnostics and access to data via the internet
- Backing up data
- ▶ The ability to mark batches with barcodes or QR systems
- ▶ Remote notifications of selected events on the phone or mailbox
- Generating periodic or batch reports
- Advanced data analytics





REPAIRS AND MODERNIZATION

Modernization of the existing machine park is not only a guarantee of efficiently operating individual devices or whole production lines. It's also a high-security, investment-saving, and more time devoted to strategic planning for your business.

SECO/WARWICK offers professional upgrades and comprehensive equipment repairs to ensure that these solutions are implemented without significant investment to purchase of new equipment nor replacement of the entire production lines.

SECO/WARWICK enhancements will help maximize your productivity while providing lower power consumption, safer operation and easier future control and regulation.

BENEFITS/FOR YOUR COMPANY:

Comprehensive equipment upgrades are among a number of benefits for your business.

By implementing new solutions you get the following guarantees:

- ► improving the efficiency and performance of the heat treatment and vacuum metallurgy equipment using state-of-the-art technology,
- cost optimization of production processes and queuing of inputs,
- reduction of unplanned downtime due to equipment defects,
- maintain safety standards,
- no need to incur large capital expenditures,
- ▶ comprehensive and professional advice and top-quality service.



