

Predictive maintenance in the heat treatment industry

Predict what's unpredictable: Unplanned downtime at work costs the world's industry billions of dollars of lost revenue. One minute of downtime in airlines delays costs 65 USD, data centers unplanned outages costs 8,851 USD, whereas unexpected stoppages in auto industry costs 22,000 USD.

While there are many producers struggling to find a solution to reduce operational costs and avoid system failures, there is a method that identifies warning signs of potential problems, leveraging data analysis, forecasting, pattern matching, predictive modeling, and forecasting, to answer the question "What is likely to happen". This method is called predictive maintenance. It is going to be much more important for the whole industry and will be an important issue at the Heat Treatment Congress in Cologne from 16 to 18 October.

Observing the Industry 4.0 market trend, promoted in the world, we at Seco/Warwick have launched an R&D project to develop a comprehensive system for advanced machine park management for heat treatment and metallurgy with a failure detection system. The result of completing the project is the

Seco/Predictive platform for monitoring heat treatment furnaces. Predictive maintenance tools could bring manufacturers significant savings. An increasing number of producers from various industries, who are looking for alternatives and more efficient systems, for example Vortex, can now benefit from new systems that guarantee the fastest ROI due to the number of connected devices and related services.

The strength of the system is a large database of various pieces of equipment. Advanced data analysis algorithms ensure the greatest effectiveness in detecting potential failures.

To learn more about the state-of-the-art solution and its application in metal heat treatment furnaces for various industries, visit the Heat Treatment Congress in October. To prepare your visit, you will find all information about the **Heat Treatment Congress** in the special from **page 31**. Or join our upcoming Heat Treatment 4.0 Seminar from 12 to 14 September, where automation experts will dive into the topic during the lectures.

Best wishes!

Paweł Wyrzykowski
Chief Executive Officer
SECO/WARWICK S.A.

