



Aluminium-Werke Wutöschingen

An innovative approach to
improving sustainability

Aluminium-Werke Wutöschingen

Since 1914, Aluminium-Werke Wutöschingen (AWW) has specialized in manufacturing precision aluminum products. From its history producing components for the Graf Zeppelin airship, to today as it produces aluminum profiles, slugs, and mechanically processed extruded parts, it successfully combines superior quality and innovation on a global scale. Around 500 aluminum specialists are based at the company's headquarters near Switzerland, with a further 250 experts in the company group – all dedicated to creating optimal solutions made from aluminum in the most sustainable and environmentally responsible way.



Challenge

“We needed software that would be able to document and visualize our total energy consumption and, in addition, improve areas, such as waste management and the handling of hazardous chemicals,” said Wolfgang Hoferer, Health & Safety Officer as well as Hazardous Goods & Waste Officer.

Struggling with list-based chaos

The efficient use of resources is a top priority for Aluminium-Werke Wutöschingen (AWW). As far back as 2001, the family-run business had its environmental management system certified to ISO 14001 and in 2012, it received initial certification for its energy management system according to ISO 50001.

In the run-up to ISO 50001 certification, AWW had been looking for a software solution that provided a comprehensive energy management system. One of the requirements for the certification process was that the company's total energy consumption should be fully recorded and comprehensibly documented. This transparency was proving difficult with solutions such as Excel, however, after implementing AMCS EHS Management, it was finally possible to say good-bye to endless, chaotic lists.

Aluminium-Werke Wutöschingen is using the following AMCS solution:
AMCS EHS Management

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for a personalized consultation >

1914

Founded

500

Employees

>40k t/a

Profiles produced

>€50m

Turnover





Solution

With the introduction of AMCS EHS Management software, AWW was able to record and evaluate both its energy consumption and waste production in detail. "With AMCS we can easily trace the total amount of waste to each site unit and instantly see the amount of waste and disposals that the individual departments, machines and facilities have produced," explained Wolfgang Hoferer.

Understanding energy - and waste-related costs

Thanks to the AMCS environmental management software, AWW can record the rates and consumption values for electricity and gas. This data is saved centrally, creating a complete and up-to-date picture of resource use and, if necessary, the electricity consumption of particular machines and facilities can be analyzed in depth.

In order to optimize its waste management, AWW also set up a centralized waste register using the AMCS system, which now contains roughly 30 waste types. All waste materials are recorded, including their measuring units and if necessary, they can be directly classified as hazardous waste. Any subsequent evaluations are carried out on the basis of costs per waste type, which are automatically transferred into AWW's annual report.

Results

Using the tools provided by AMCS, AWW is able to map its environmental performance and plan for improved sustainability. Any weak spots in the operation are easily identified and energy-saving actions are immediately implemented as part of the company's continuous improvement process.

Meanwhile when it comes to waste, clear dashboards provide key data such as costs, revenues and recycling rates. Thus it's easy to see at a glance how the waste data has changed in the course of the year or compared to the previous years.

A software solution to improve transparency

Using AMCS, AWW now has instant access to key environment-related figures and individual KPIs. In addition to providing convenient overviews and evaluation options, gas and electricity consumption or emissions data, the software can be used to address specific queries. For example, the indicators form an ideal basis for strategic decisions on the use of identically constructed machine tools from different manufacturers.

A clearly structured waste register with detailed evidence of waste treatment and costs also supports the AWW team to manage waste responsibly.

Less time managing hazardous chemicals

All chemicals used by Aluminium-Werke Wutöschingen are now listed within the AMCS system. By using a filter, all 500 working and hazardous chemicals that are labeled according to GHS/CLP can be easily found in the hazardous chemicals register. Not only does this help the company comply with legal regulations and improve safety for its workforce, but it also saves the purchasing department a lot of time when obtaining new materials. Thanks to practical overviews and handy filter tools such as this, important information on hazardous substances can be found at the click of a button.

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Wolfgang Hoferer, Health & Safety Officer as well as Hazardous Goods & Waste Officer, Aluminium-Werke Wutöschingen