

Press release

Stahlo Stahlservice

*Stahlo at Blechexpo in Stuttgart
From 7 to 10 November 2023
Hall 10, Booth 10509*



Stahlo at Blechexpo 2023

Stahlo brings digital transparency to the supply chain

From the carbon footprint to the circular economy – for large industrial challenges, steel almost always makes the difference when such energy-intensive material is processed into products. Not only new processes are needed for green steel, but also independent and standardised documentation along the entire supply chain. Stahlo, as an independent steel service centre, presents new possibilities at Blechexpo: the Stahlo Steel Compass for determining emissions and the Digital Material Passport (DMP).

Dillenburg, 27 October 2023 – Almost all companies are currently working intensively to precisely understand their carbon footprint and document it up to “Scope 3”. This is the prerequisite for improvement. Larger corporations are increasingly demanding such figures from their suppliers. Considerable optimisation levers lie in the field of purchasing energy-intensive products, such as steel. “Transparency and reliable data are the necessary basis for optimisation,” says Oliver Sonst, Managing Director at Stahlo: “As an independent steel service centre, we have built expertise and market overview for green steel, and established a neutral assessment system for carbon in steel. With Steel Compass, we make the data easily accessible to our customers so they can work with it and we can make suitable procurement suggestions.”

Steel Compass for emission values in the supply chain

With Steel Compass presented at Blechexpo, Stahlo provides its customers with the status quo of Scope 3 emissions of deliveries from 2022 and then presents future

Stahlo Corporate Communications

Dr Carola Hilbrand

Phone: +49 (0)2772 505-2527

E-mail: hilbrand.c@friedhelm-loh-group.com

Steffen Maltzan

Phone: +49 (0)2772 505-2680

E-mail: maltzan.s@friedhelm-loh-group.com

Stahlo Stahlservice GmbH & Co. KG

Kasseler Straße 27

35683 Dillenburg, Germany

www.stahlo.de

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optimisation options. The Compass provides a precise overview of the available carbon-optimised flat steel products that the steel service can procure. This works fully transparently not only for individual deliveries, but also as a planning tool. The market overview with reliable figures helps to identify different paths and varieties for achieving the climate objectives, and also to assess them economically. Consequently, with Stahlo's support, customers plan not only the emission savings for future years, but also the required budget.

Digital passport for steel coils

Circular economy, carbon values and material data for quality: there are many good reasons why digital transparency across all stages of the entire supply chain is a declared objective of the industry. Stahlo does the groundwork for steel: the new Digital Material Passport (DMP) is more than a PDF replacement for the usual material test certificates. Because all data is also held in machine-readable form, recipients can work with the data using their software solutions without media discontinuity via their integration solutions or, for example, via pre-configured adaptors for ERP systems, such as SAP.

Notarisation in the blockchain ensures reliability with official document properties. Stahlo's Digital Material Passport initially provides not only values for chemical analysis and mechanical properties, but also specific product emission data.

"We are convinced that the relevance of such standardised data records and their information content will increase," explains Sonst: "The faster we establish transparency at every processing stage, the closer we achieve the objective of end-to-end documentation – provided we succeed in ensuring interoperability and data sovereignty." Catena-X, the open ecosystem for the entire supply chain in the

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automotive sector, is particularly far advanced and best known in this respect. “Therefore, compliant data transfer to such ecosystems, for example of carbon emission values, is an obvious development objective for us,” concludes Sonst.

For more information, visit: <https://www.stahlo.de/en/steel>

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Caption(s)

Image 1: The new Steel Compass provides customers with Scope-3 emissions of the previous year's deliveries and then presents future optimisation variants. Customers plan emission savings and the required budget with Stahlo support.

Image 2: Oliver Sonst: “Steel Compass makes the objective emission data available to our customers. This allows us to develop together an individual target path based on validated data.”

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About Stahlo Stahlservice

Stahlo is one of the most advanced and largest mill-independent steel service centres in Germany. Its offer consists of a fully comprehensive portfolio for all key materials in the sheet metal market. At its locations in Dillenburg and Gera, the company custom-manufactures slit coils, cut-to-size and standard sheets, shaped blanks and contoured blanks in all standard grades, up to and including high and ultra-high-strengths.

Stahlo was founded in 1983 in Dillenburg, Germany, and is a member of the Friedhelm Loh Group. The Group maintains a worldwide presence with 12 production sites and over 95 subsidiaries. The Friedhelm Loh Group employs more than 12,000 people and generated revenues of approximately €3 billion in 2022. In 2023, the Friedhelm Loh Group was named “Best Place to Learn” and “Employer of the Future”.

For more information, visit www.stahlo.de and www.friedhelm-loh-group.com.