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Thin Films and Surface Treatment for
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2023 VACUUM PLASMA SURFACE COATING

EFDS

Workshop »Digital Data creates value – recognising and exploiting opportunities«

The Digital Product Passport: A crucial instrument for more sustainability in the supply chain

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Companies must take more responsibility for the protection of human rights and the environment. Products must be more sustainable, supply chains more transparent. With the Supply Chain Due Diligence Act („Lieferkettensorgfaltspflichtengesetz" – LkSG) and the Digital Product Passport, policy-makers are creating regulations to promote sustainable practices in the economy. In the future, customers should be able to access transparent information on the purchased product at any time. The Digital Product Passport is to be made available to customers. To this end, suppliers must also disclose data and share it with all stakeholders.

The complexity of the distributed databases, systems and applications in companies currently makes it difficult to collect and provide the correct and all-encompassing data throughout the company's value chain. This is hardly manageable manually or even in paper form. How can we make all data from different systems, including those of suppliers, accessible? How do we overcome the technical hurdle despite a lack of skilled workers and increased costs?

With technology that connects all necessary internal and external systems via their specific interfaces. Low-code integration platforms can compile all data and information automatically in the background: resources, product components, materials, (chemical) substances, sustainability information (lifecycle CO_2 emissions) as well as after-sales information (disposal/recycling, disassembly instructions, reparability) - along the entire supply chain. Thus, customers can see via an interface whether the product meets the promised quality, where the product comes from, which components it contains and under which conditions it was produced. This information can also be integrated fully automatically into their own IT systems, supplemented with their own information and in turn delivered to their own customers - fully automatically.