



Cybersecurity and privacy

15 July 2020

TÜV SÜD's podcast "Safety First": Additive Manufacturing

Munich. Whether in medical technology, aerospace or automotive, more and more industries are using 3D printing and additive manufacturing as standard. In contrast to prototypes, however, new demands on quality and security are made in series production, including the prevention of hacker attacks on highly sensitive production data.



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TÜV SÜD and
Danqing Zhang,
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Pacific are guests in

the current episode of TÜV SÜD's Safety First podcast. They examine this topic from various perspectives and explain why cybersecurity also plays a major role in additive manufacturing.

Faster, more innovative and even more cost-effective: 3D printing is a technology that makes it possible to produce a three-dimensional, highly individualized product. Additive manufacturing is playing an increasingly important role in industrial production. But today, it is no longer just about prototypes, but also about series production with consistently high and reliable quality. The security of the data used also plays a decisive role, especially when it comes to personalized medical products such as dental prostheses, hearing aids or hip implants.

Additive manufacturing enables new business models and thus also influences global supply chains. A look at the Asian market shows what the status quo is and what can be expected in the coming years.

Series production is playing a more important role here, too, which also makes testing, inspection and certification services from neutral third parties such as TÜV SÜD increasingly important. Technical standards help to demonstrate this quality and safety. TÜV SÜD not only enables qualification on the manufacturer side and technical standardization in 3D printing, but also works on future topics such as digital labels for 3D-printed parts, which are thus fully traceable.

TÜV SÜD's "Safety First" podcast deals with cybersecurity, data protection and more. It appears twice a month with a new episode in German or English. Anyone – employees, self-employed entrepreneurs or simply interested individuals – seeking to make the best possible use of the opportunities offered by digitisation should also be aware of its risks and able to deal with them. You can listen and subscribe to "Safety First" on the usual podcast apps and at: <http://www.tuvsud.com/podcast>.

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