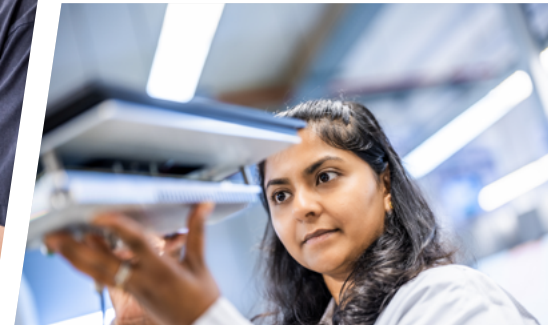


15 Years of IconTrust®

SAFETY UP TO SIL3



IconTrust® – You can trust.





Celebrate the 15th Anniversary of IconTrust® with Us!



Since the launch of IconTrust® 15 years ago, the company has pioneered display technology with an eye on the future and a finger on the pulse of the industry to deliver flexible yet economic technology. During the development of our IconTrust® displays, we make the latest technology work for your particular application in the rail transport and industrial sectors.

DEUTA controls the whole board production process chain: From development, layout and component selection through assembly, testing and component procurement, right up to production. Put your trust in displays which will still be fully functional in decades, while complying with today's safety standards and those of the future.

The Safe Human-Machine Interface

Fifteen years of IconTrust® have delivered approx. 25,000 safe DEUTA human-machine interfaces with IconTrust® technology. DEUTA is the market leader for safe DMIs. IconTrust® monitors predefined areas on the TFT display and differentiates between valid and invalid information.

Our customers value IconTrust® because it guarantees the safe display of data regardless of the hardware platform and allows flexible customization of the application outside the monitored safe areas without updating the safety certificate. This makes IconTrust® the most secure, reliable, flexible and cost-effective safety technology up to SIL3 for human-machine interfaces.



IconTrust® – You can trust.

The integration of the IconTrust® safety solution is always tailor-made to meet the special requirements and prerequisites in your application area.



— Safe Human-Machine Interface —



Paffrather Str. 140

Headquarters: Paffrather Str. 140

We design and produce our products "in-house". Our production features a very high level of vertical integration – from design through software and hardware development up to the assembly of boards and circuit boards for exclusive use in our IconTrust® displays. This makes us independent from providers. All departments are located at our headquarters in Bergisch Gladbach.

DEUTA-WERKE is a family owned company with nearly 300 employees, which allows us to be flexible in our work and decisions in a very solid and financially strong environment.



IconTrust® – You can trust.



Digital, Flexible and Safe - Switchboards – Up To SIL3

Safety-relevant information that appears on the display supports users by providing a decision-making basis for their actions. Incorrectly displayed values may have fatal consequences. You therefore need to rely on a truly safe solution: With its future-oriented IconTrust® technology, DEUTA is the only provider capable of offering you SIL3-capable man-machine interfaces.

For example, using the DEUTA SelectTrust Panel makes it really easy for our customers to configure safe digital buttons. The SelectTrust Panel is an HMI based on a bright TFT screen. Indicator lights and push buttons can be configured via a web browser to very quickly create a system that is at least SIL3-capable. Time- and cost-intensive work steps for project changes are not necessary. The new operating units are reconfigured remotely via the HMI.



IconTrust® – You can trust.



Future-Oriented



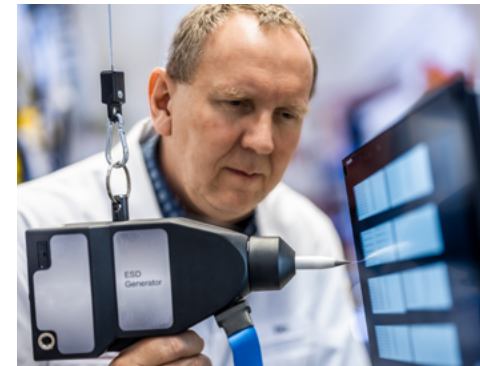
Long-Term Availability

The particularly long service life of rail traffic equipment poses a challenge - especially for system suppliers. Anything that leaves production in Bergisch-Gladbach must be suitable for long-term usage. We analyze very carefully which components we use and only purchase extremely durable processors, for example.

With 30 years of experience in obsolescence management, DEUTA makes sure that our customers are on the right track. From the design stage onwards, we take into account follow-on concepts to ensure that important components consistently fulfill product obsolescence requirements. DEUTA's customers enjoy guaranteed HMI availability throughout the entire life cycle.



Moreover, DEUTA offers a sophisticated storage system for components. For example, if a chip manufacturer withdraws a product, DEUTA moves a stock of semiconductors into the air conditioning towers that rise up in the factory halls. Here, chips and central components are stored under optimum conditions. The towers can be flooded e.g. with nitrogen. This removes oxygen and prevents the semiconductors from corroding. As a result, they are available for many years and can be processed and assembled as required. We offer availability that allows customers to continue operating their vehicles for decades.



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