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DEUTA-WERKE is a pioneer in the verified, safe display  
 and safe data entry on TFT terminals.

DEUTA, as sole provider worldwide, offers highly  
 available, redundant Multifunctional Terminals with  
 expert safety certificate for the SIL3 displays and SIL2  
 date entry.

DEUTA Trust technology offers the use of generic  
 platforms with state-of-the-art processors for  
 performant representations, and thus, the highest level  
 of ergonomics and design freedom without compromising  
 on safety.

The user retains the free choice of the operating system  
 and the graphic tools as well as the option for upgrades  
 from legacy software solutions.



## D-GenericTrust Kit®

## The Safety Upgrade for Your HMI

### DEUTA – The Home of Trust-Technology:



IconTrust®



MouseTrust®



TouchTrust®



SelectTrust®



## »D-GenericTrust Kit® - The Safety Upgrade for Your HMI«

As Safety Package, the Trust technologies are integrated into the standard HMI devices with minimum effort. The D-GenericTrust Kit which has already been assessed according to IEC61508 standard, minimises the effort for the assessment of the entire appliance. The HMI Safety Package with the safe communication protocol offers the possibility to achieve an individual safety solution with standard components.

With the D-GenericTrust Kit, in principle, all types of input variables can be supervised which are represented as symbols, pointer instruments or bar graphs, letters, text or even as a play of colours. If required, it is possible to allow different screen representations for one and same value of the input variable (equivalent representation)

The D-GenericTrust Kit has been assessed according to the basic standard for functional safety IEC61508 meeting the requirements:

- Safe display: SIL3
- Safe data entry: SIL2

The D-GenericTrust Kit consists of the modules:

**IconTrust board** and **photo sensor unit**.

Together, these modules provide the basic function of a safe display:

- The **IconTrust board** supervises the video data stream and compares it with safe process values transferred via a safe communication channel.
- The **photo sensor unit** supervises the correct functioning of the display panels.

