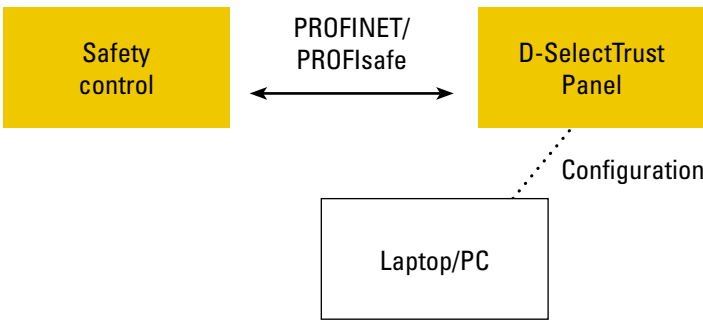
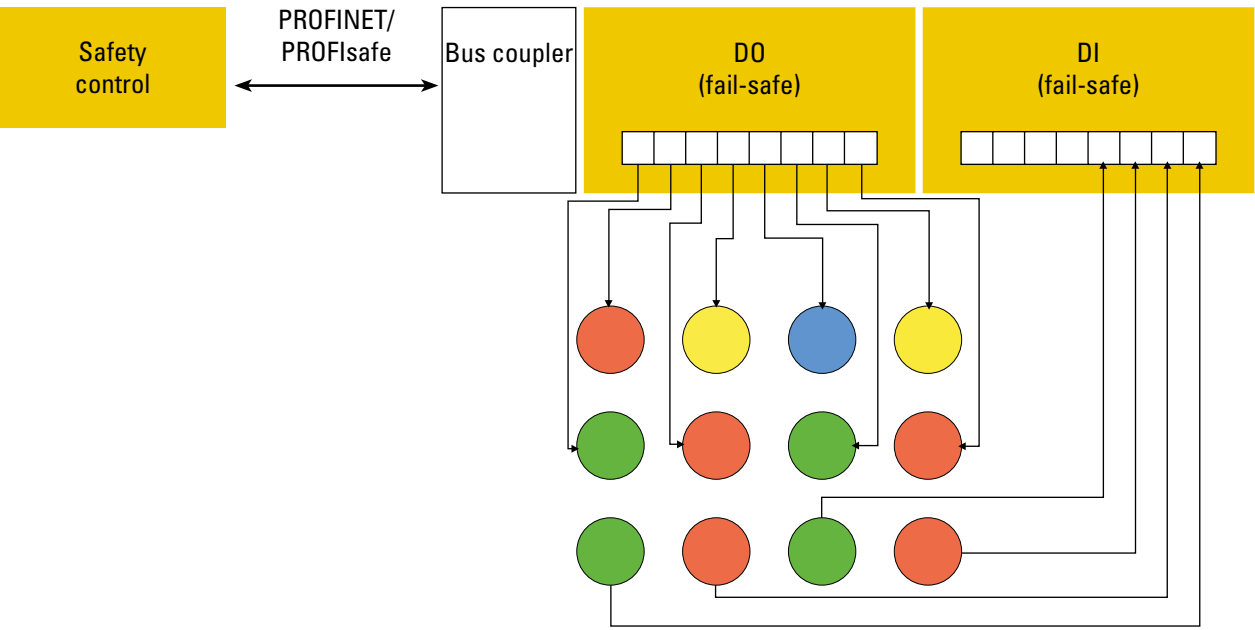
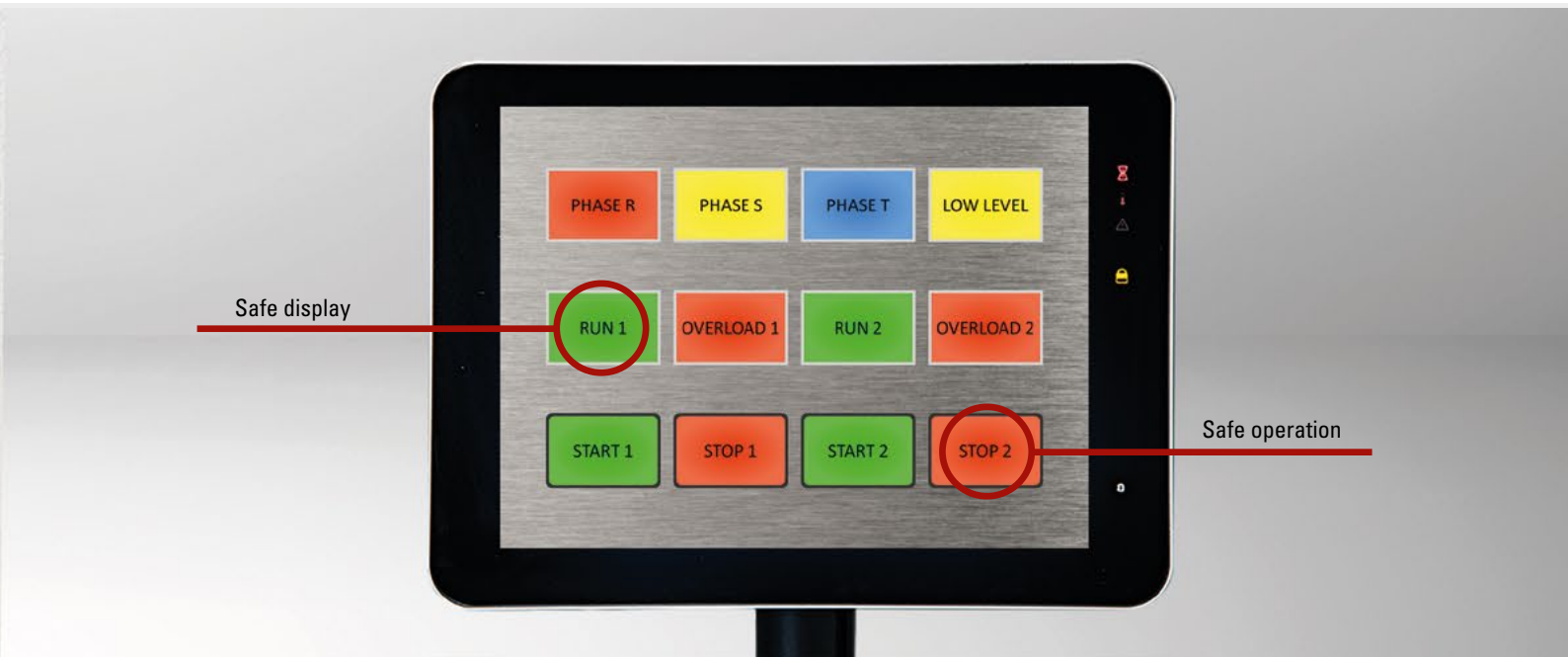


D-SelectTrust Panel

Simply safe HMIs





"D-SelectTrust Panel - Simply safe HMIs"

Interactive dynamic GUIs with IconTrust® Safety

With the D-SelectTrust Panel, you can easily configure interactive indicator lights and buttons via a web browser in the shortest time possible. The buttons and indicators are presented in a dynamic tile arrangement on the HMI. There is a diverse variety of project-specific adjustments. Time and cost-intensive work steps for project changes are not necessary. The new operating units are reconfigured remotely on the HMI.

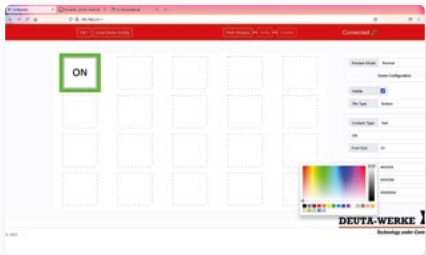
Safe representation of switchboards on an HMI

Switchboards are created in many work steps: The layout of the panel is specified, indicator lights and buttons are hard-wired and labelled. When planning a new project or making a change to a project, costly and time-consuming steps are necessary to update the hardware. The D-SelectTrust Panel reliably represents switchboards in digital form with a safety level up to SIL3.

“A safe HMI interface
in 4 steps”

1. Select the buttons

The user places the desired buttons on the interface. Text, symbols, graphics and colour can be freely selected for each field.



2. Preview the buttons

A preview of the buttons is available directly in the web browser.



3. Transfer the data

The data is transferred from the browser to the HMI.



4. Verify the configuration

The configuration is verified directly on the HMI. The safe configuration is generated and imported. All fields are connected to the safe PLC via PROFIsafe.



“With time and cost savings”

Configuration

IconTrust® Safety

Flexibility

- In the web browser
- Can be used multiple times
- Simple reconfiguration

- Safe thanks to IconTrust® and PROFIsafe
- Safe digital representations
- Interactive verification process

- Adaptability
- Dynamic tile arrangement
- Easy integration into existing systems

	Time saving		Cost saving	
Safety configuration	85 %		90 %	
HMI configuration	85 %		90 %	
HMI layout	85 %		90 %	
Safe PLC specification	85 %		90 %	
HMI specification	85 %		90 %	
System specification	85 %		90 %	
No wiring, switches, labelling	85 %		90 %	

You save time during assembly and commissioning right from the first digital button.
The configurations are saved and can be transferred to any number of D-SelectTrust Panel.

"Safe configuration"

Flexible HMIs for safe applications

The user interface of the D-SelectTrust Panel digitally reproduces user interfaces such as switchboards with the displayed tiles.

The tiles can be defined as buttons or indicators. These tile types are modelled on analogue buttons and indicator lights. Depending on the value received via the PROFIsafe, the tile design associated with the value is assigned a text or a colour.

An individualised background image serves to additionally illustrate the application-specific context to the operator. The display of non-safety-critical information can also be placed next to the tile grid on larger screens.

Integration into existing PLC systems

The integration with safety controls is done as usual via a GSD file. The configuration report of the D-SelectTrust Panel can basically be used for controlling display and input fields, as well as for integration testing.

Configuration using a web browser

The tiles displayed on the HMI are easily and flexibly edited via the web interface. Alongside settings such as tile visibility and tile type (button/indicator), it is possible to edit the associated design in this manner.

This includes the options of defining a background colour and displaying icons, images or text on the tile. Individual designs can be created for different process values.

The scene settings determine the tile size, background image, margins and orientation of the tile grid. The web browser integrated into the D-SelectTrust Panel can be activated and configured accordingly. In addition to web browser configuration options, such as the URL to be loaded, this also encompasses the positioning and size of the web page displayed on the D-SelectTrust Panel.

Transferring the created configuration to the device

D-SelectTrust Panel configurations that have been created or edited using the web editor can be downloaded in the form of a configuration file. These configurations can be loaded into the web editor or onto the unit at any time. They can also be remotely imported into other D-SelectTrust Panel instances.

Customisations to D-SelectTrust Panel configurations can be quickly applied remotely to multiple systems. This comes in addition to the capability of creating a configuration library for different applications.

"Certified safety"

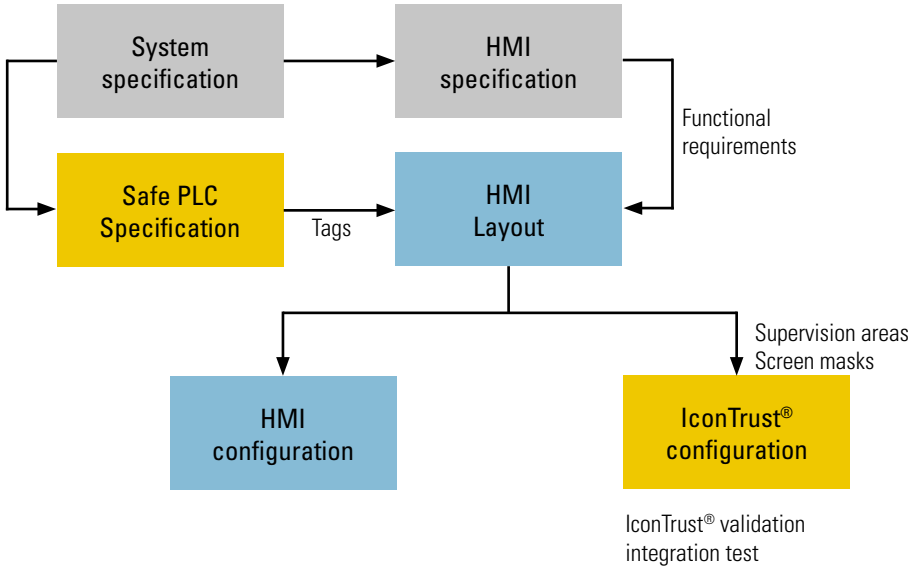
The safe IconTrust® technology forms the safety basis for D-SelectTrust Panels. It is used in some 20,000 HMI projects worldwide. The patented Trust functions ensure that safety-relevant display content is displayed in a functionally safe manner.

Unlike conventional procedures, the Trust technologies offer greater safety because the indicators and controls in safety-related areas of an HMI reliably represent the determined values. The user is immediately able to recognise when any deviations occur.

A DEUTA GenericTrust kit allows the Trust technologies to be integrated into standard HMI devices with minimal effort. The kit has already been assessed in accordance with IEC61508, which minimises the effort required to evaluate the entire device. The communication protocol makes it possible to map an individual safety solution with standard components that can be easily integrated into existing PROFIsafe systems.

Certified up to SIL3

- ✓ Pursuant to EN50126, EN50128, EN50129 IEC61508
- ✓ IEC13849 - PLe / CAT3
- ✓ PROFINET / PROFIsafe



DEUTA-WERKE

Paffrather Strasse 140 | 51465 Bergisch Gladbach | Germany
Phone +49 (0) 2202 958-100 | Fax +49 (0) 22 02 958-145
support@deuta.de | www.deuta.com | www.icontrust.com



DEUTA-WERKE GmbH | Paffrather Str. 140 | 51465 Bergisch Gladbach | Germany | Phone +49 (0) 2202 958-100 | Fax +49 (0) 22 02 958-145 | E-mail: support@deuta.de | www.deuta.com

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