THE STRONGEST LINK.

STAHL

YOUR VISION.
OUR MOBILE SOLUTIONS.

FLEXIBLE. SAFE. FUTURE-PROOF: MOBILE SOLUTIONS FOR HAZARDOUS AREAS

The safety requirements for systems are increasing. In hazardous areas in particular, ever greater duty of care is required. At the same time, the volume of mandatory documentation is on the increase. Add to that the shortage of skilled labour. What can be done?

The shortage of skilled labour can be partly compensated for by individually tailored Mobile Worker concepts. They help you to increase safety for people and machines, improve the quality of your processes and fulfil your documentation obligations, while reducing costs at the same time.

Our Mobile Worker concepts consist of mobile devices such as tablets, smartphones and smart watches, plus the associated network infrastructure. With these, we can meet your individual requirements and provide you with a customised solution.

ALONE – BUT NOT LEFT ALONE

It is your responsibility to ensure the safety of staff working out of sight and earshot of colleagues. Here you can rely on our lone-worker solutions. The main functions are:

- Real-time monitoring.
- Alarm functions.
- Direct communication between mobile worker and emergency team or control room.
- Access to all data and required information.

OPTIMISE YOUR INSPECTION AND MAINTENANCE TASKS

Our wide range of hardware and software options are tailored to your system to optimise your inspection and maintenance tasks. Below an overview of the key benefits:

- Real-time access to pertinent information saves a lot of time.
- Automated notifications and reminders.
- Take photos, videos and notes directly and make them available.
- Connection of workforce worldwide.

ENHANCED MOBILE DATA CAPTURE

Expand our ORCA or SHARK operator stations with a mobile multifunctional set consisting of a handheld barcode scanner and a smartphone – a flexible duo for reliable data capture in hazardous areas. The wireless connection ensures flexibility at all times, and the barcode scanner can also be used with several different HMI operator stations.

- Compatible with ORCA or SHARK operator stations via Bluetooth.
- For 1D, 2D barcodes across distances of up to 18 metres.
- Suitable for temperatures ranging from -20 °C to +60 °C / IP68 / MIL-STD 810H.
- Telephone with scanner app can also be used as standalone, affordable alternative.

IMPROVE THE DOCUMENTATION OF YOUR WORK PROCESSES

Mobile Worker concepts facilitate simple and efficient on-site data input: The data is saved to a central database where it can be accessed at any time with all kinds of devices.

- Fast search for and analysis of information for improved tracking of tasks and results.
- With media such as photos, videos and voice messages, mobile workers can add valuable extra information.
- Compliance with industry regulations and comprehensive traceability of processes.

WIRELESS NETWORK – THE BASIS OF MOBILE EFFICIENCY

We provide support with planning, expanding and optimising your WiFi network in hazardous areas. Our solutions enable you to use your non-Ex devices in hazardous areas.

- WiFi / Ethernet network solutions tailored to meet the requirements of your system.
- Modular toolkits with network components for your hazardous area.
- User-friendliness and sustainability are key advantages of our solutions.

START WITH US INTO THE DIGITAL 5G FUTURE

5G can be used to design private campus networks combining free accessibility with private data sovereignty. Our mobile devices not only generally support 5G – they are also ready for campus networks. Are you?

- We support you with the specification, planning and design of 5G campus networks.
- Our offer: Customised service packages.
- Our starter workshop is the easiest introduction to this new 5G world.

SOFTWARE AND SERVICE

REMOTE MOBILE FIRMWARE

The REMOTE MOBILE firmware has been designed as a closed system based on the latest Windows IoT Enterprise LTSC. It can handle the latest versions of protocols for the remote control and process visualisation from the field.

Operations with the REMOTE MOBILE firmware are cybersecure. All apps run in the kiosk mode so that the operator has no access to the operating system. The administrator determines which apps can be started and also which network resources can be accessed. In addition to Windows' own Remote Desktop Protocol (RDP), the firmware also supports the platform-independent Virtual Network Computing (VNC) protocol. Both a browser and an IP camera viewer are integrated. Also, any type of app can be integrated for the users.

The REMOTE DEVICE MANAGER, a central administration software, is available for all devices running the REMOTE MOBILE firmware from version 6 upwards.

SUPPORT INTEGRATION SERVICES / SERVICE

Our MOBILE SOLUTION basic support ranges from support with product selection and commissioning to after-sales service.

Our colleagues are happy to present various options for the application-specific customisation of our devices – including individual software modifications.

Our colleagues from the technical support department will work with you to ensure fast commissioning, enabling you to use our devices within a few minutes.

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Here you'll find more information on our mobile solutions in hazardous areas.