



modular system of freely programmable hmis for harsh outside use

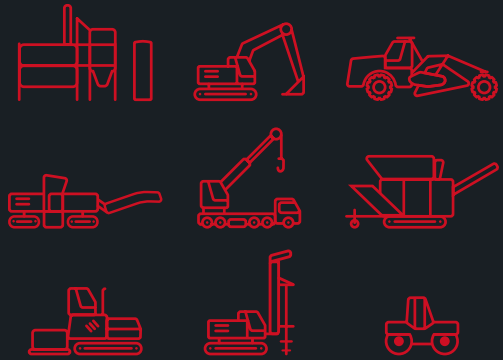
Combine individual electronic backends (compact and high-performance) with a wide range of front-end displays from 3.5" up to 15" to create complete HMI systems including UX/UI, I/O nodes, etc.



technical perfection with a human attitude



robust hmi solutions for construction machinery



From advanced embedded HMI systems to highly flexible generic offerings, Graf Syteco empowers mobile machines with reliable and high-performance technology. With our operator-centric design we help machine builders to boost productivity and customer satisfaction, to optimize processes, and drive success.



when you have to ride a beast

1



reliable hmi solutions for agriculture machinery



When you're out in the field, on your own, in all weathers, far from home, you need the security that everything is working perfectly technically. You need equipment that helps you complete your task easily and without disruption. That frees you from mundane tasks and allows you to focus on what matters most.



when you have to rely on things in solitude



efficient hmi solutions for municipal vehicles



When you have a job to do and no one cares much about how. When the obvious has to be done without having to think about how you'll get it done. In a short time, according to a set pace, and with maximum efficiency. Whether it's snowing or shining, it has to be done. Then you need equipment you can rely on.



if you need to be efficient in your time



move your own world with fingertips

For decades, Graf Syteco has been committed to making your work with heavy machinery in harsh environments easier and more efficient, thereby increasing safety for both people and materials. This task demands a high level of technical knowledge, practical experience, and an inventive spirit every day. For some, it becomes a passion. We bring together these individuals who enjoy realizing this ambition every day. Move your world with fingertips.



power to

control



from people who love having cool ideas

At Graf Syteco, the highest quality and reliability of our products are at the heart of everything we do. We are experienced professionals, combining technical expertise with creativity and efficiency. Our engineers, designers, and support staff work closely together to ensure that each product meets the highest standards of functionality and durability.



Our employees stand out for their expertise, dedication, and team spirit. They drive innovation with passion, ensuring quality and precision in everything they do.

“We help make
heavy work
in the field easier,
more efficient
and safer.”





exceptional OEM partner: fast, reliable, innovative

Consulting, development,
and production all under
one roof: this makes us
flexible and quick in imple-
menting demanding ideas.

We offer highly qualified consulting services on various topics related to your mobile working machine. Including but not limited to:

- Visually appealing and intuitive operating and control concepts
- Software architecture and user programming
- Design, feel, and form language
- Topology of electrical systems and fieldbus systems
- Integration of operating and control devices from Graf Syteco
- Interoperability with devices from other manufacturers
- Connection and evaluation options for peripheral devices (sensors/actuators)
- Integration with IoT

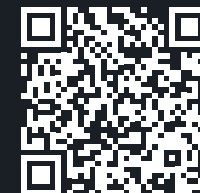
We will collaborate with you to create a detailed specification of your requirements, software architecture, and storyboard, which will serve as the foundation for our development process. Additionally, we will provide the necessary documentation for system acceptance.

Jürgen Müller, Chairman of the Board
Steffen Dieterle, CEO

robust and thermally
optimal design

the uniqueness
of graf syteco

- decades of experience in developing intelligent HMI solutions
- easy to use, according to the latest ergonomic findings
- open system architecture, for seamless integration into existing systems
- no limits due to software compatibility and adaptability
- frontend to your machine with no compromises

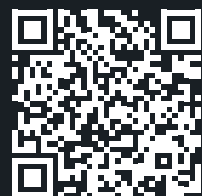


detailed information
about our products:

high application safety thanks to ergonomic design

- freely programmable control, operation and visualization devices.
- can be used flexibly for parameterization, operation, and control of mobile working machines and systems.
- available standard display sizes from 4,3" to 12,3". Other sizes quickly adaptable.
- for the visualization of machine data, video, and sensor signals, parameter input, and operation of functions.

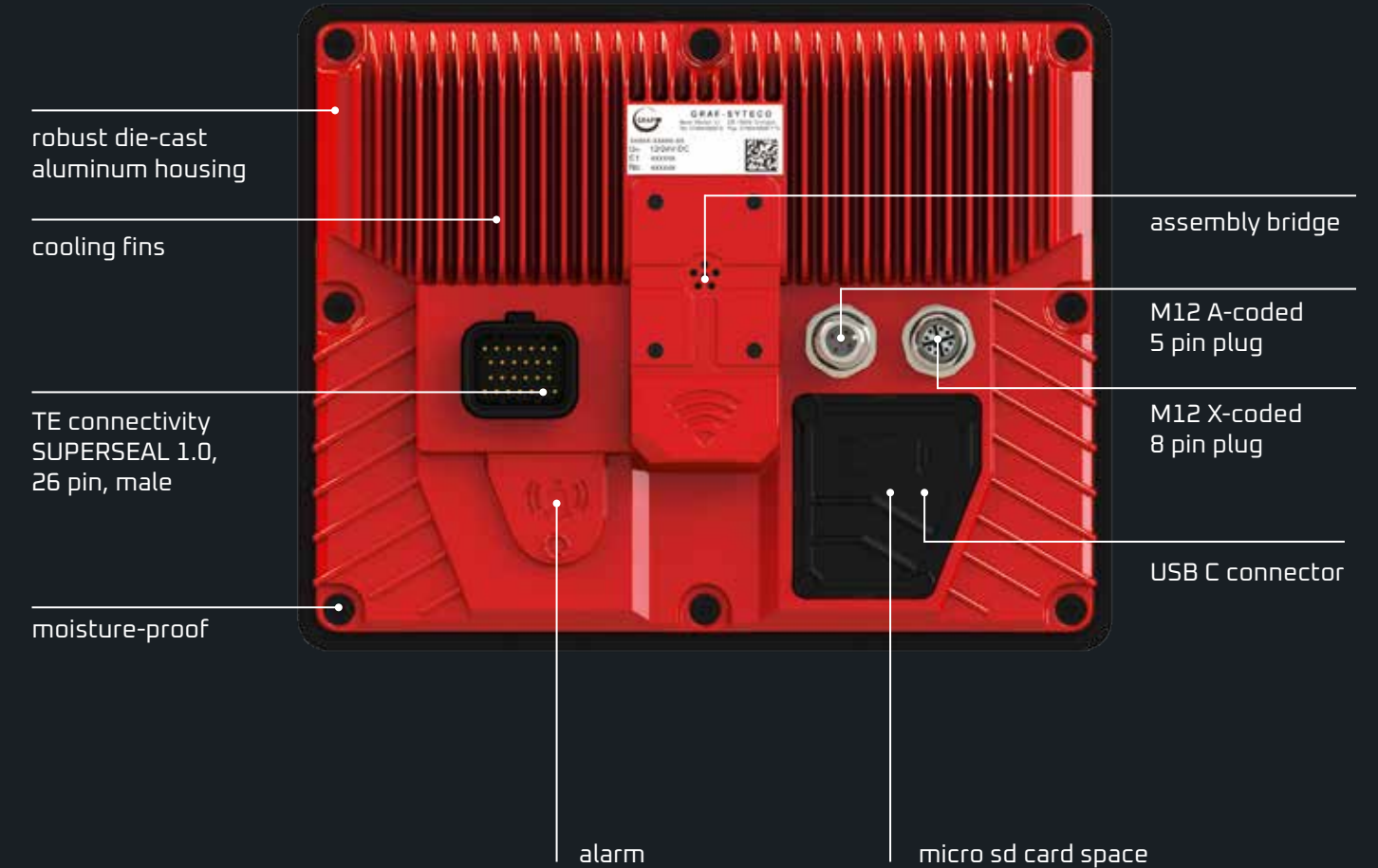
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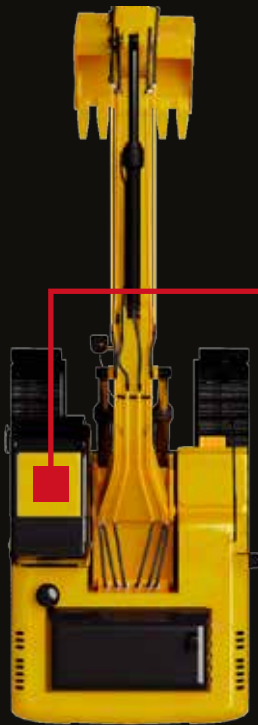
maximum user-friendliness



maximal robust design



A yellow excavator is shown from a side profile against a black background. A red square is placed on the side of the excavator's body, with a red line extending from it towards the right edge of the image. The excavator's arm and bucket are visible at the top.



maximal flexibility with modular GSe software suite and optimal support

The GSe software suite provides optimum support for the easy creation of an HMI solution using graphical tools.

It consists of the GSe-VISU® graphical development environment, which is used to create GSe-CTRL® applications, which can then be executed under GSe-OS® running on the target system, and monitored and maintained with GSe-CON®.

high connectivity and compatibility

- Modbus
- CAN
- CANopen
- J1939
- TCP/UDP
- USB
- etc.

everything you want with an embedded Linux environment and high compatibility



CROSS-PLATFORM
SYSTEM QT



operator and
control SW
Codesys



efficient user
interface
Gse-VISU

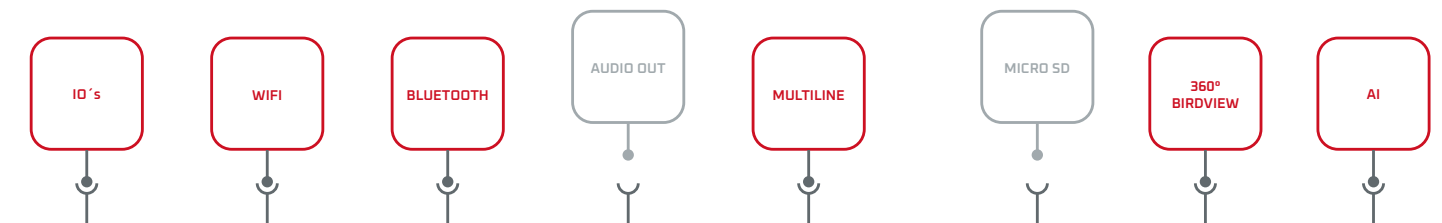


ECO system
platform
openSYDE



AI SW

modular architecture of features and functions



BirdView and AI functionality

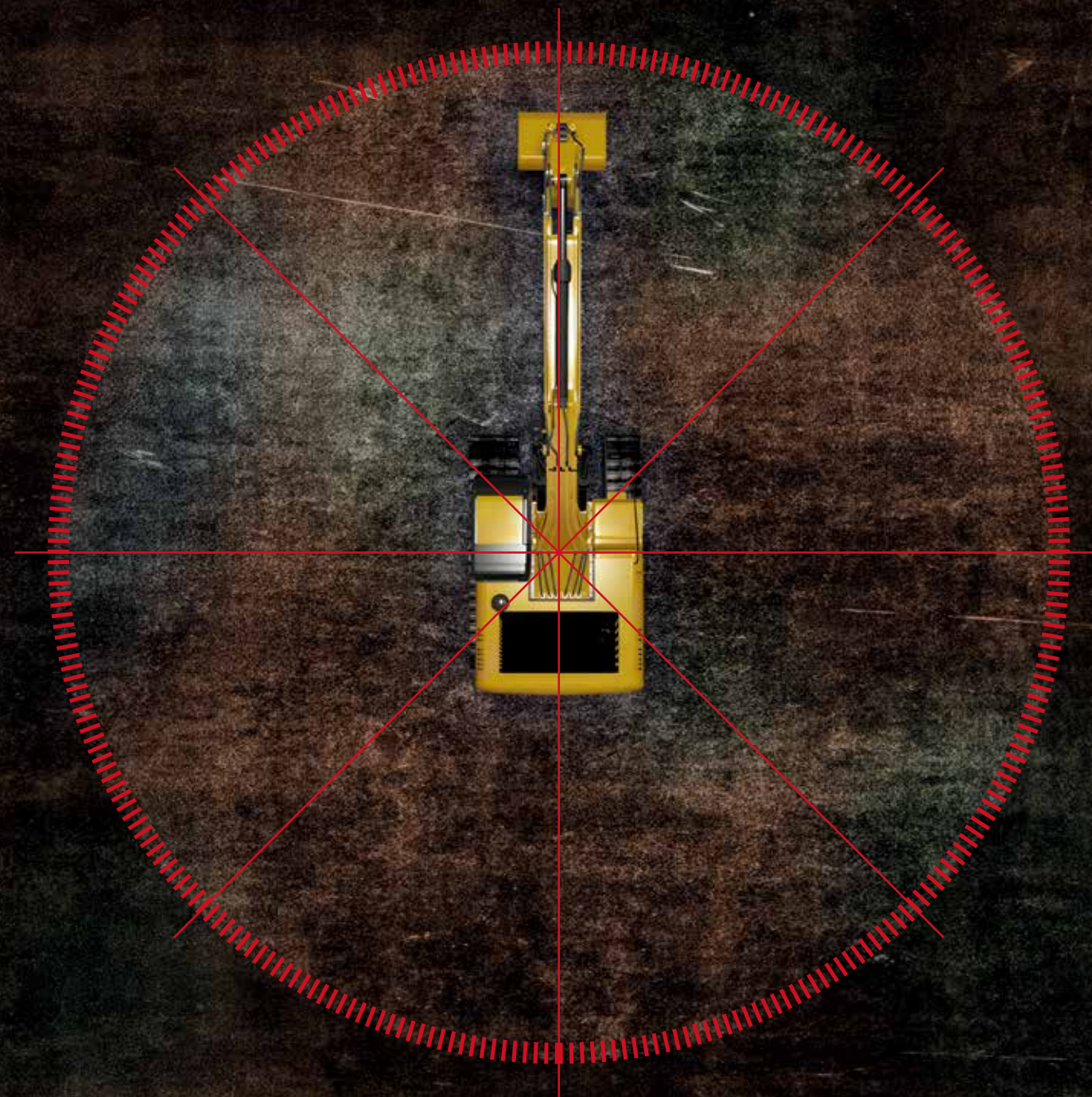
360° highest level for safety

Safety on construction sites is a critical issue, since it is by far the most dangerous working environment in the industry, especially for fatal accidents.

One effective solution to improve safety is the implementation of camera monitor systems. The goal is to achieve intelligent safety through the use of assistance systems for mobile machines, enhanced by artificial intelligence.

Heavy machinery and vehicles are the number one cause of accidents on construction sites. The machine operators of mobile commercial vehicles and machines usually have a very limited field of vision. The terrain is difficult to navigate and poses many risks.

In particular, people who are near a machine are exposed to a high level of danger. With the BirdView function, the entire environment around a vehicle or machine is controlled from a bird's eye view and displayed on the devices. For this purpose, several high-performance cameras are mounted on the vehicle. The BirdView function significantly increases the safety standard on construction sites and reduces the number of work accidents.





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