



New technologies
dedicated to your safety

TECHNICAL FEATURES

- High safety level sensors
- A CANopen Safety communication system
- Secured sensors fixture with protection of moving parts
- GNSS multi-constellation positioning system with centimeter accuracy

WHY CHOOSE OUR SOLUTION?

- Easy installation and programming
- This new feature adapts perfectly to immediate decision-making and as such to the daily needs of your job sites
- Mobile cranes can work and move around freely. Our solution improves your productivity and guarantees higher security with one single system
- The DCS 61-S provides the crane operator with all the information he needs to operate the machine in real time, thanks to a graphical representation of the environment as well as the alarm approaching danger.

ARE YOU INTERESTED?

Do not hesitate to contact us for your quotation

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A WORLD FIRST
ANTI COLLISION
MANAGEMENT
BETWEEN TOWER
CRANES AND MOBILE
CRANES

HOW DOES THE DCS 61-S WORK BETWEEN TOWER CRANES AND MOBILE CRANES?

We offer a complete solution that can manage several mobile machines, whether they are telescopic or fixed, on one single job site.



ANTI COLLISION BETWEEN TOWER CRANES AND MOBILE CRANES

Our solution offers an **automatic movement detection** as well as to control the tower cranes in case of a possible collision. Through the GNSS localization the user obtains **precise coordinates and angles** of the mobile cranes' jib position.

Thus, the systems placed on the tower and mobile cranes constantly know the position of each machine thanks to the **radio** transferring information between the devices.

When the mobile cranes move and reposition themselves in a different place, the systems on the tower cranes register their positions and automatically create **interference zones for the machines**.

The device calculates in real time and in 3D the distances between each element of the cranes (including the position of the cabin) as well as the movement speeds. This is to intervene on the cranes control mechanism to **ensure a slowing down, followed by a complete immobilization of the crane at a pre-set distance from the mobile crane**.

The DCS 61-S keeps its two other essential functions for maintaining productivity and site safety



ZONING AN OPTIMAL AND AUTONOMOUS SAFETY DEVICE

The system gives the user the possibility to quickly create prohibited overflight areas in 3D directly on the screen by associating geometric shapes with perimeters and static obstacles. For the mobile crane, the device emits an **increasingly loud audible signal when approaching danger**.



DATA LOGGER IMMEDIATE MEMORIZATION

It continuously **records and saves data** related to "prohibited area" and "interference" management functions. You can view them directly on the system screen and/or download them to a flash drive.

SYSTEM PLACED IN THE MOBILE CRANE



SYSTEM PLACED IN THE TOWER CRANE



WHAT ELEMENTS ARE INCLUDED?

