



OPTIONS

- Several target positions can be saved, facilitating loading and unloading
- Possibility to temporarily neutralize the system. Multiple choices are available (by zone, zoning function and/or anti-collision)
- Possibility to add a SIM card to download data and events linked to the crane on a web portal
- The system can also be programmed at the foot of the crane
- Display of wind speed and pre-alarm and alarm thresholds on the screen

TECHNICAL FEATURES

- High safety level sensors
- A CANopen Safety communication system
- Secured sensors fixture with protection of moving parts



DCS 61-S
GUARANTEED
SITE SAFETY

A SYSTEM COMPLYING WITH CURRENT AND FUTURE STANDARDS

The system complies with to the future European standard **EN 17076** for anti-collisions systems. Its **PLd performance level** in accordance with

the **EN13849-1** standard makes it compatible with future lifting equipment machine controls. It is also **SIL-2** certified, as per the **EN 61508** standard.

3 KEY FUNCTIONS

ZONING

SIMPLE AND INTUITIVE PROGRAMMING



The system enables to quickly create prohibited overflight areas in 3D directly on the screen by associating geometric shapes with perimeters and static obstacles.

- Real-time display of prohibited zones around the crane
- Managing overflight limits for the jib and/or the load
- Possibility to create prohibited overflight zones such as straight lines, polygons and circles, including double circles and angles
- Setting of a minimum and maximum height for hook management between two spaces
- Possibility to selectively activate/deactivate zones via the override unit. These zones can also be remotely activated/deactivated thanks to our SUP-61 supervisor connected to the radio network

ANTI-COLLISION

OPTIMAL AND AUTONOMOUS SAFETY SYSTEM



The device calculates in real time and in 3D the distances between each elements of the cranes (including the position of the cabin) as well as the movements speeds. This in order to intervene on the controlled mechanisms to ensure a slowing down then a complete immobilization of the crane at a pre-set distance from the obstacle.

- Real-time display of interferences and the elements concerned by the risk of collision
- Radio network communication
- Management of interferences between tower cranes, mobile cranes, placing boom, gantries, luffing jib cranes, travelling cranes and retractable cranes

DISPLAY UNIT AND DATA LOGGER

IMMEDIATE MEMORISATION



It continuously records and saves events related to "prohibited area" and "interference" management functions, allowing direct displaying and/ or downloading to a flash drive. An additional function enables a dynamic recording of certain information concerning the system and/or crane status

A UNIVERSAL SYSTEM



The system includes the specificities of each brand and type of cranes and adapts to the precise organisation of job sites.

WHAT ELEMENTS DOES IT INCLUDE?



8.4 inch colour screen



ULM 61

A universal machine interface designed to adapt to any crane type



UC 61

A central sensor unit able to collect data relating to movements



ULR 64

A radio modem



CDD 61 and CO 61

Absolute multi-turn encoder sensors to manage and calculate machine movements



AL 61

A warning light



UN 61

A neutralization unit to selectively activate/deactivate the functions of the system