



New technologies
dedicated to your safety



www.amcs.fr

OUR CHAIRMAN'S FOREWORD

With great pleasure, I introduce to you a company that has been able to climb the ladder step by step and is now proud to have become an innovative, outstanding and competent organization.

To achieve this, our primary concern has always been the entire satisfaction of our customers. It is with this mindset that we have developed an expertise based on perseverance, a work of quality and active listening of our customers.

We have made of anticollision for lifting equipment our specialty.

Son of a crane operator and passionate about this field since my childhood, I naturally created my company to meet a market demand: improving the safety of lifting gear while providing efficient, quality products and guaranteeing a responsive service. My wish is to offer innovative solutions to respond to major projects but also tailor-made and customized offers for every kind of need.

After more than 20 years of activity, we have been able to capitalize on the durability of our products and the involvement of our teams to provide the appropriate services.

The growth of our company results from the proximity, the listening, the responsiveness and the strong mobilization of our various departments. Our ability to adapt and innovate has enabled us to continue to strengthen our leading position in France and internationally for the benefit of our customers.

My ambition is to continue the growth of our SME, to maintain responsiveness and stay close to our customers. Our company continues its path with serenity. Every day we project it into the future, thanks the dynamism of our teams and their desire to constantly improve.



Mohamed Chettibi

WHO ARE WE ?

AMCS Technologies is a key player in the design and manufacturing of high-end electronic systems for the safety and the productivity of the construction sites.

Specialized in on-board safety systems for lifting machinery, the company has become a reference in the construction, port, offshore and industrial sectors.

AMCS Technologies has earned the trust and recognition of its customers through its innovations and flexibility.

OUR VALUES

The involvement, diversity of skills and technical know-how of **AMCS Technologies** employees make it possible to ensure the day-to-day monitoring of each project from the initial request to its implementation in the field.

- Excellence is the guiding idea that defines daily work at the company
- Customized and efficient service
- Passion for the job
- Long-term support
- Transfer of skills through customer training
- Attentive and customer-focused teams

- The loyalty of our customers is our best testimonial
- A duty to advise on best practices
- Strict compliance with standards and regulations
- The flexibility and responsiveness of our teams

User satisfaction is the company's highest priority.

The daily support of the teams, as well as a personalized follow-up as close as possible to your needs, make it possible to meet all the technical challenges.

ANTICOLLISION DEVICE FOR MOBILE MACHINES

The DCS 61-M meets the increasing need for preventing collision risks between tower cranes and mobile cranes on a job site.



ANTICOLLISION



Our solution offers an automatic movement detection as well as the automatic control of 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 radios 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 as well as the movement speeds to take control of the mechanisms of the cranes to ensure a slowdown, followed by a complete immobilization of the tower crane at a pre-set distance from the mobile crane.

The safety device takes automatically control of the tower crane's motion to make it slow down and stop as the hazard approaches.

The DCS 61-M gives the mobile cranes drivers driving assistance information with an intuitive graphical display of their environment (cranes in the area) as well as sound and light alarm when the hazard gets closer.

DCS 61-M

ANTICOLLISION DEVICE
FOR MOBILE CRANES



A UNIVERSAL SYSTEM

THE SYSTEM INTEGRATES THE SPECIFICITIES OF EACH BRAND AND TYPE OF CRANES AND ADAPTS ACCURATELY TO THE STRUCTURE OF THE JOB SITES

AMCS Technologies offers a comprehensive solution able to manage several mobile machines whether they feature a telescopic jib (mobile crane) or a lattice boom crane (crawler) on a same site.

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



ZONING

As for the classic version DCS 61-S, 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. On the mobile crane, the device emits an increasingly loud audible signal and flashes when approaching hazard.



DATA LOGGER

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 INSTALLED IN THE MOBILE CRANE



SYSTEM INSTALLED IN THE TOWER CRANE



MAIN COMPONENTS DCS 61-M.



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 centimetric accuracy

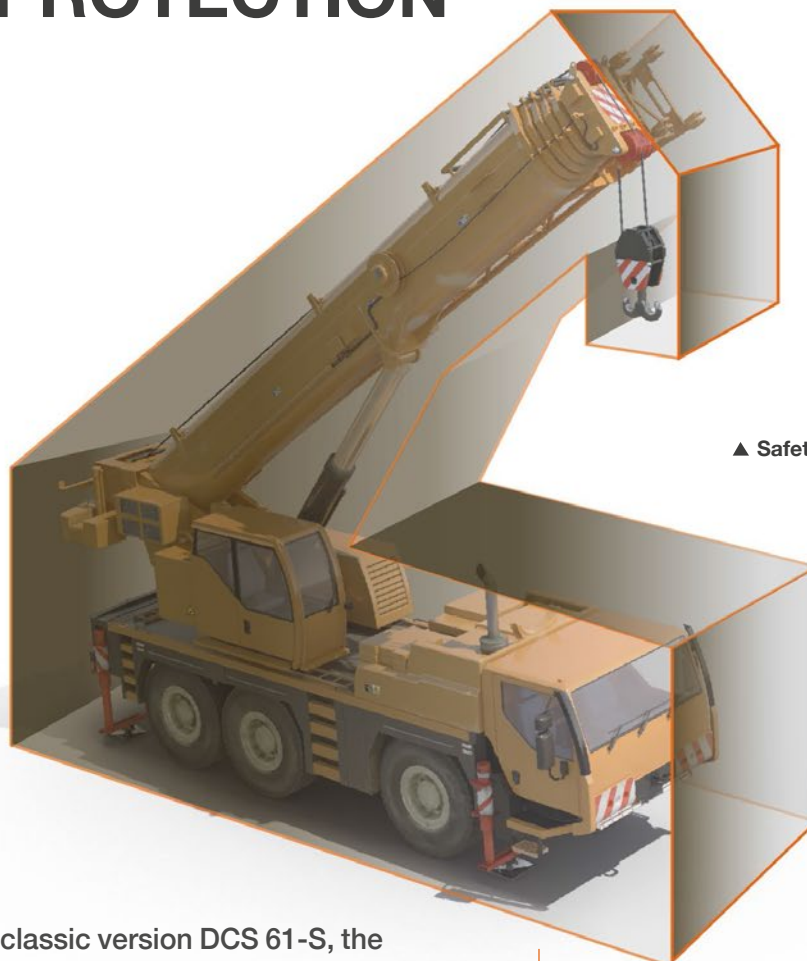
WHY CHOOSE OUR SOLUTION?

- 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 safety 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 an intuitive graphical display of the environment as well as the setoff of the alarm when approaching hazard.

DCS 61-M

ANTICOLLISION DEVICE FOR
MOBILE MACHINES

FULL PROTECTION



▲ Safety envelope

As for the classic version DCS 61-S, the system will apply a configurable safety cover around all the elements of the mobile crane.

The dimensions of this cover change according to the crane movements and the extension or retraction of its boom.



- Compatible with crawler cranes, mobile cranes and other mobile machines
- 3D anticollision management

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info@amcs.fr
Tel. +33 184 230 130

AMCS Technologies offers a complete solution that can manage, on the same site, several tower cranes (whether with horizontal or luffing jib) in interference with the placing booms.

TECHNICAL DESCRIPTION

- Compatible with placing boom up to 5 arms*
- 3D anticollision management (safety envelope on each arm).



ZONING



ANTICOLLISION



DISPLAY AND DATA LOGGER

The DCS 61-PB meets the increasingly frequent need to prevent the risk of collision between tower cranes and the placing booms on a construction site.

The DCS 61-PB is installed* on the placing boom and communicates with the DCS 61-S of the interfering cranes in order to manage the risks of collision in 3D (management of the height of the elements).

motions of the crane to slow down and stop the movement when approaching the placing boom (management in active mode).

On the placing boom, the DCS 61-PB does not act directly on the controls (passive mode management).

External signalling provides the operator with information in the approach zones (orange light) as well as alarms at the edge of the danger (red light and siren).

On the tower crane, the DCS 61-S automatically takes control of the

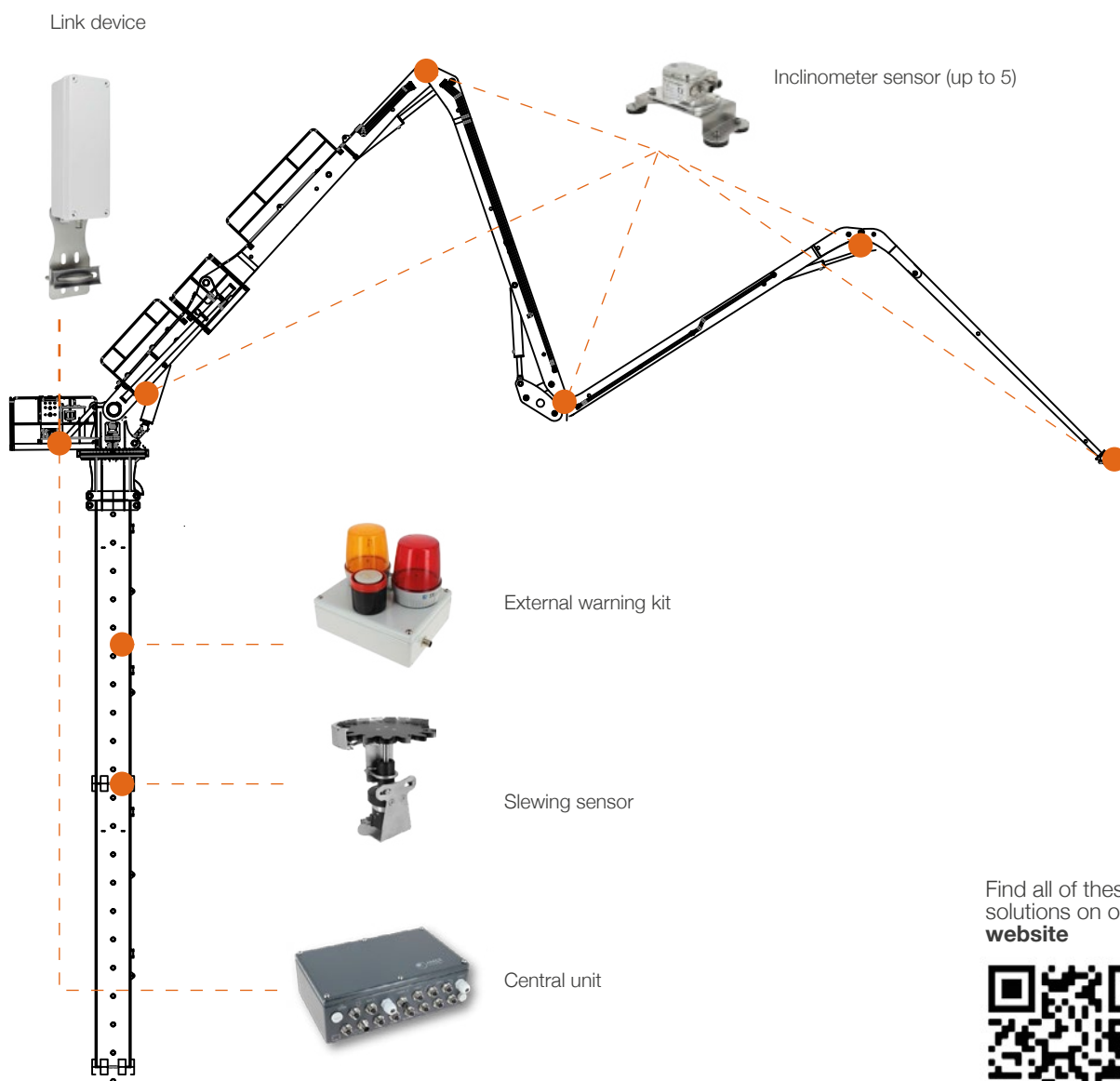
*subject to feasibility in terms of mechanical adaptations.



DCS 61-PB

ANTICOLLISION DEVICE FOR
CONCRETE PLACING BOOMS

COMPONENTS OF DCS61-PB KIT



Find all of these
solutions on our
website



A WEB PLATFORM

A customized solution that adapts to all your needs.

The SIM card integrated in your DCS 61-S anticollision systems will allow you to perform diagnoses on the productivity of your lifting equipment.

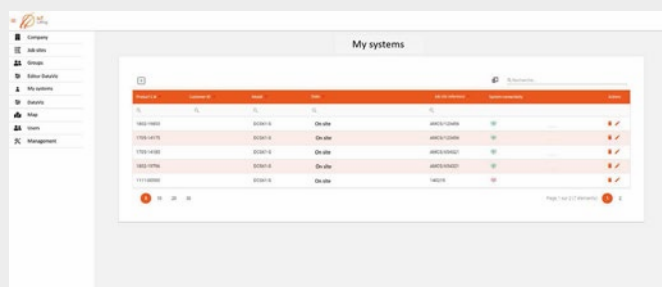
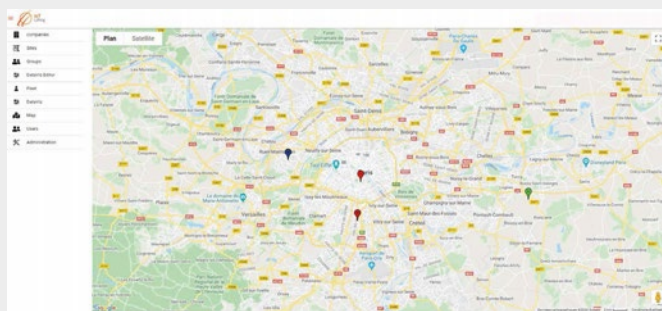
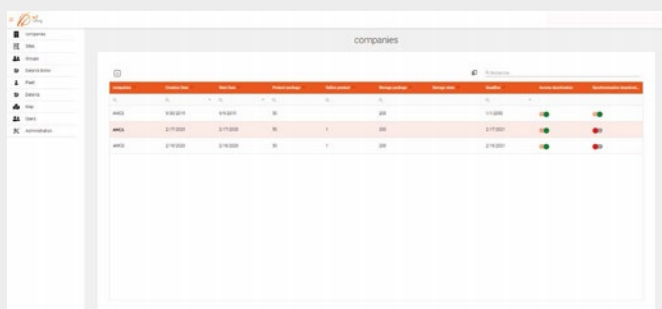
Thanks to the 3G/4G network, you will collect precise data related to each crane from various sensors from the DCS 61-S.

The main goals of IoT Lifting web and mobile application are to follow up with precision site productivity from anywhere in the world. The data will inform you of the day-to-day activity of your cranes.

WHAT CAN YOU DO WITH OUR IOT LIFTING WEB ?

Thanks to personal logins with different levels of access and functions, you will be able to :

- Perform accurate remote diagnoses
- Manage your fleet of systems (DCS 61-S, SUP 61)
- Remotely view the screens of the DCS 61-S
- Remotely view the SUP 61 site supervisors
- Download data and events related to DCS 61-S connected systems
- Generate customized statistics for each of your job sites from the data collected by DCS 61-S systems



IOT LIFTING

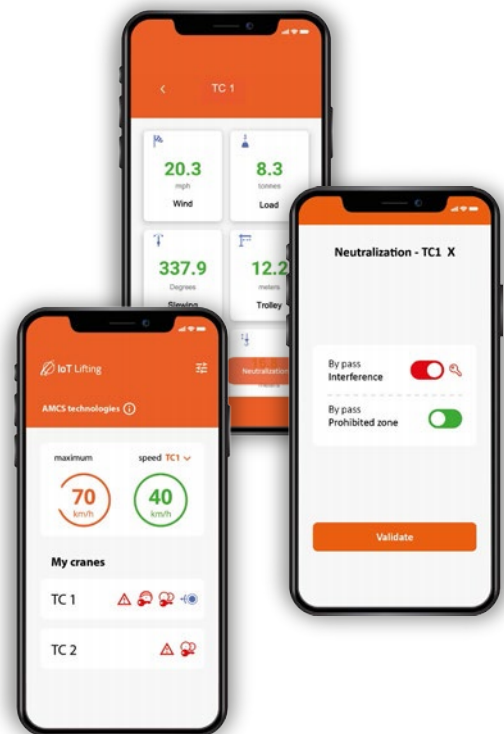
ENSURE YOUR PRODUCTIVITY

A MOBILE APP

- Follow in real time the states (weathervane, neutralization...) of your DCS 61-S on each of your sites
- Receive notifications about the status of your devices and cranes (exceeding the wind threshold...)
- Follow in real time the values of the different sensors from your cranes (wind speed, load, lifting...) as well as the different actions performed by the system
- Thanks to advanced access rights you will be able to bypass anticollision functions and/or prohibited areas within a limited radius around the site provided the driver acknowledges the bypass

WHAT ARE THE ADVANTAGES OF OUR IOT LIFTING SOLUTION ?

- Accurate and remote monitoring of the productivity of your job sites and cranes
- A customizable offer according to your needs
- Our network covers the whole globe, IoT Lifting is available worldwide
- Manage your fleet of AMCS technologies products



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THE SERENITY OF WORKING WITH THE REFERENCE IN THE ANTICOLLISION MARKET

Possibility to develop customized products to meet the specific requirements of construction sites and lifting material.

Teams available on the 5 continents and ready to intervene at any time.

A worldwide dealers network.

Collaboration with the leading construction companies, and lifting equipment manufacturers and dealers.