

ANTI-COLLISION



MC 603

CONNECTED ANTI-COLLISION SYSTEM
FOR CRANES



PERFORMANCE GUARANTEED BY A WORLD LEADER
IN ON-BOARD SAFETY

MC 603 System



A userfriendly, powerful, and intuitive system

Whether it is a flat top crane, a high top crane or a luffing jib crane, relay-controlled crane or a new crane generation with bus communication, the MC 603 meets all requirements..

The MC 603 modular system was designed to be assembled, disassembled and reinstalled as many times as necessary.

The waterproof and robust industrial connections guarantee the durability of links between system components installation after installation.

And magnetised components allow quick installation while respecting the integrity of the crane's metal structures.

Assisted and fluid calibration

Access to calibration is password protected in order to guarantee the integrity of the settings.

In order to facilitate and optimise the configuration of the anti-collision systems on a construction site, the main settings of each crane are exchanged remotely with the other cranes. You will be guided by a drop-down menu.

- ALL CRANE BRANDS
- ALL TYPES OF TOWER CRANES
- ASSISTED CALIBRATION
- EASE OF USE
- CONDITIONAL PROHIBITED AREAS IN 3D WITH LOAD LIMITATION
- SELECTIVE SHUNT
- FEC* COMMUNICATION MODE
- SPECTRUM ANALYSER
- PLUG & WORK INTERFACE
- SAVING A POSITION

*FEC : Forward Error Correction

The calibration wizard, guides the technician intuitively through the different steps



High performance level

Whether used as a collision avoidance or zoning system or even as a single load indicator, the MC 603 guarantees a high level of construction site productivity in complete safety.

The MC603 provides the crane operator with a high level of operating comfort and allows the parameters to be displayed clearly and dynamically on our large colour display.

The safe FEC radio transmission mode between cranes is specially designed by ASCOREL to ensure increased protection from interference.

Thanks to our SUPERVISOR system, the site manager has a specific and dedicated access to all the machines operational datas, thus optimizing sites productivity. Remote connection through computer or smartphone is also available.

The shunt unit, installed at the base of the crane, allows only authorised staff (with password access) to log in and safely and selectively assign anti-collision and/or special zones.

MULTIPLE CONFIGURATIONS



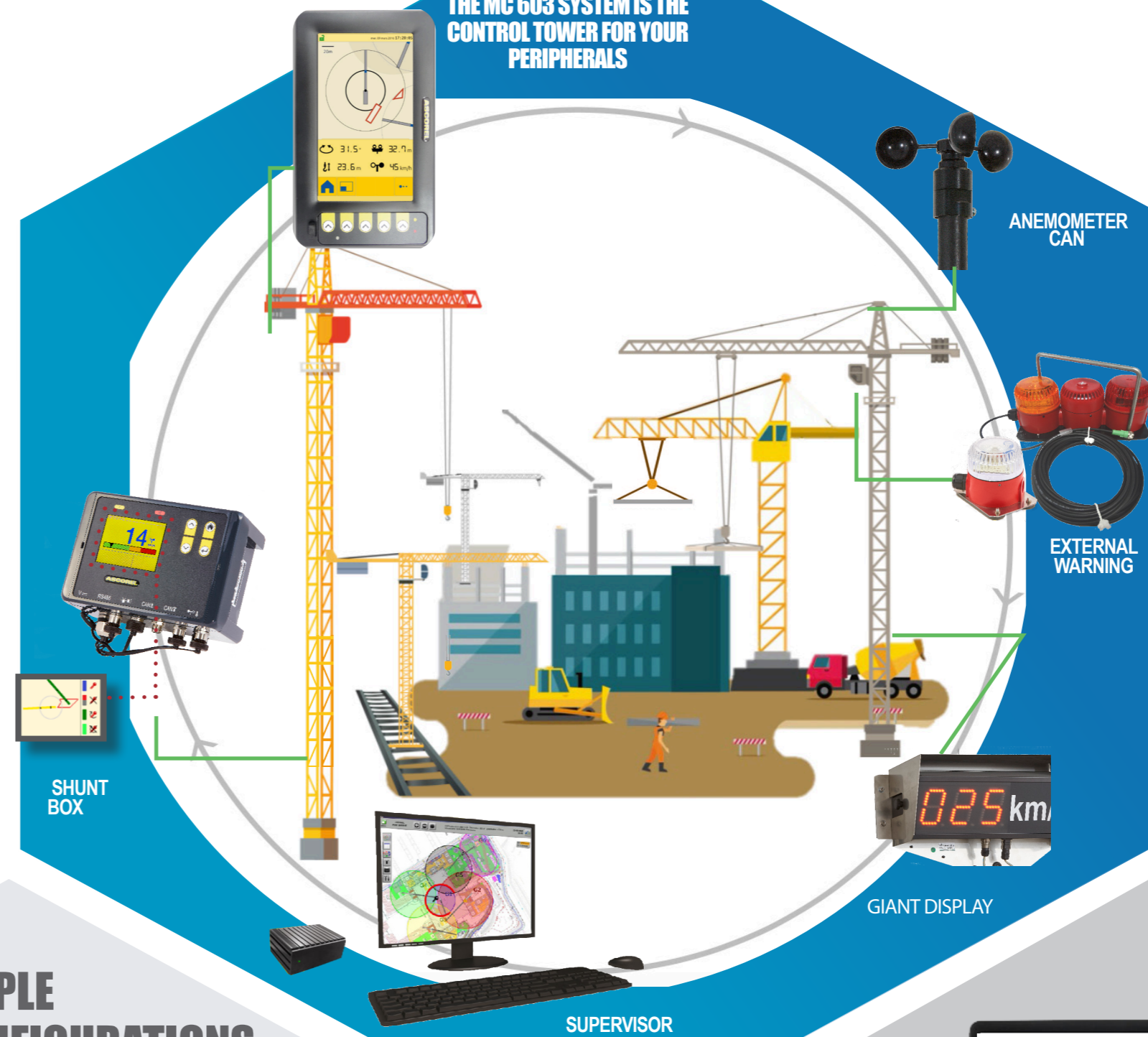
slewing trolley traveling

Many tower crane configurations can be managed: flat top crane, high top crane, luffing jib crane, etc.



Adaptable for all types of cranes

THE MC 603 SYSTEM IS THE CONTROL TOWER FOR YOUR PERIPHERALS

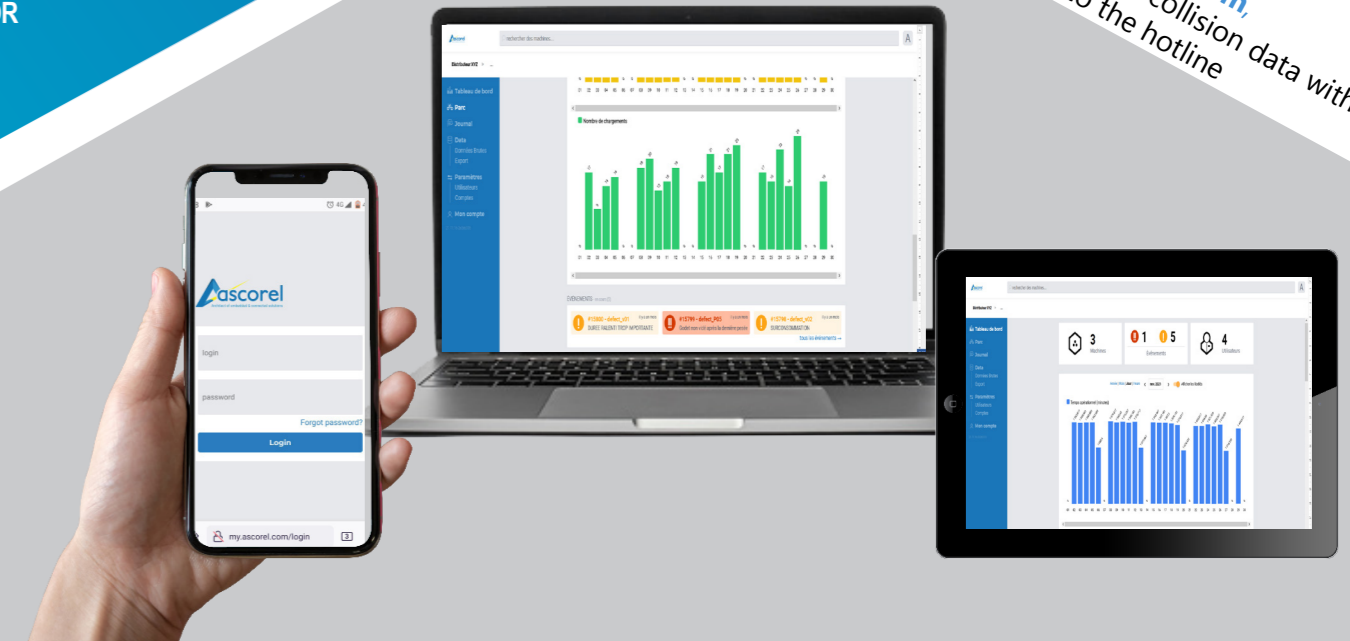


MC 603 MyAscorel

Data access in 1 click

- BUDGET CONTROL
- OPTIMISED INVOICING
- UPDATED DATA
- ACCESS THE DATA ON YOUR SOFTWARE SYSTEMS
- PRESERVE YOUR IT ARCHITECTURE
- REAL-TIME NOTIFICATIONS

you can have access to all your anti-collision data with one click!
With my.ascorel.com
+ Access to the hotline



ASCOREL offers to its partners a certified technical training.



- Training carried out in our office or on sites.

With a long and extensive experience, ASCOREL delivers a high standard of support with the help of its experts, technicians and its network of highly qualified partners.

A hotline is also at your disposal to answer to your requirements.

Thanks to the test platform, we can reproduce most of the field configurations in our expertise centre and thereby give you all the necessary assistance as soon as possible.

If you want more independence, ASCOREL is also a training center and can organise training sessions adapted to your requirements.

TRAINING

* accreditation number
82380104638

training
certificate issued
at the end of the course



Conformity to international standards

The MC 603 anti-collision system complies with the EN17076 and EN14439 tower crane safety standards and is also PL-c certified according to the ISO 13849-1 standard.

Its modular design easily adapts to standard requirements so that you can benefit from a standard configuration in cases where sensor redundancy is not a regulatory requirement.

CERTIFICATION

ALIZÉ 3

WIND SPEED INDICATOR

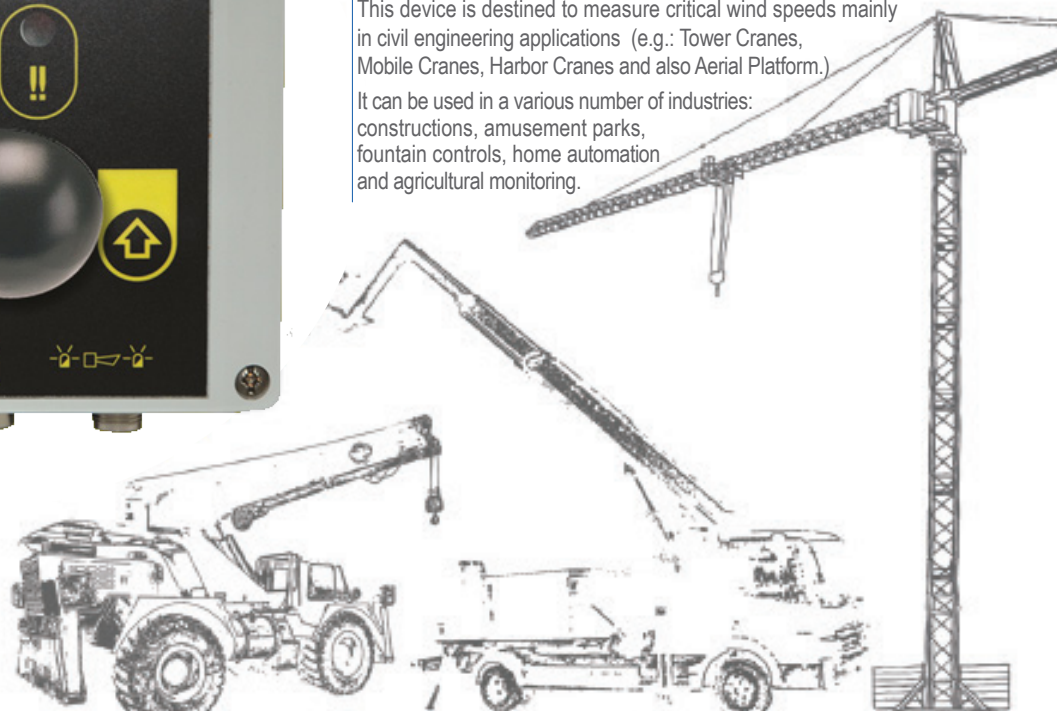


ALIZE WIND SPEED INDICATOR

The ALIZÉ 3 can be utilized as a standalone wind speed meter. It can also be associated with another ASCOREL system (e.g.: MC 602, MC 603, MC 202, MC 222, MC 800...) or another OEM system.

This device is destined to measure critical wind speeds mainly in civil engineering applications (e.g.: Tower Cranes, Mobile Cranes, Harbor Cranes and also Aerial Platform.)

It can be used in a various number of industries: constructions, amusement parks, fountain controls, home automation and agricultural monitoring.



WHY CHOOSE ASCOREL?

- We have specialized in making measuring and safety equipment since our creation.
- We are one of the leaders in the sector of on-board electronic systems: our industrial structure is a guarantee for long-lasting professional relations and will provide you with operational maintenance for our products for many years to come.
- ASCOREL gives high priority to the Quality of its products and services, as well as to its ongoing improvement policy. It is ISO 9001 certified.

ISO 9001 CERTIFIED for more than 15 years now. That means ASCOREL has established and applied **quality management systems** for designing, manufacturing, installing and servicing our systems that are **internationally recognized**.

- ASCOREL products comply with European standard. Our products are tested in independent laboratories and checked by recognized institutions.

ASCOREL is a member of the **ASCOTRONICS** group, dedicated to embedded electronic systems combining **SAFETY** and **PRODUCTIVITY**.



WHY USE AN ALIZÉ 3?

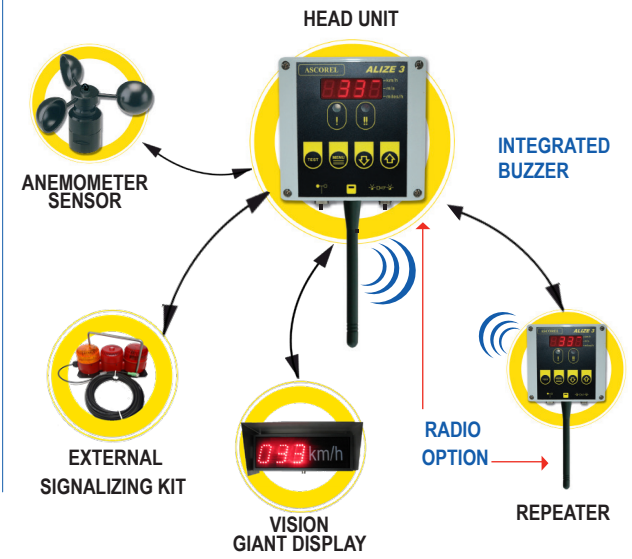
- ALIZÉ 3 provides the information that the operator needs to work in a safe way. The 2 alarms are activated if the wind speed reaches a value that is factory programmed:
 - **STANDARD USE:** The first alarm is set to 50km/h (31 mph). If the wind exceeds this value, an intermittent audible alarm is activated and an orange led lamp is flashing on the display box.
 - **OPTIMAL USE:** The second alarm is set to 72 km/h (44.7 mph). If the wind speed exceeds this value, the audible alarm and the orange led lamp become continuous, the red led lamp is flashing on the display box.
- When combined with other ASCOREL systems, it provides output signals for function shut downs if needed. Allows the operator to open or close the circuit leading to external devices (consult ASCOREL).
- Values can be adjusted by the operator. He can lower the factory programmed values but cannot set them higher.

ALIZÉ 3

HEAD UNIT



WIRING SETUP



TECHNICAL SPECIFICATIONS

COMPUTER / DISPLAY BOX

It contains the computer board, the output devices and the power supply board. On the display box are located the display itself (4 digits) and the different keys allowing the operator to interact with the system.

ANEMOMETER SENSOR

Metallic and robust Body and cups, axle and internal parts in stainless steel, stainless low torque bearings.

REPEATER:

It can be placed at the bottom of the crane, or in an office on the work site. The communication between the repeater and the wind speed meter can be wired or wireless. The radio modules used allow 8 channels. Frequencies 868MHz, Power 25mW, Range 300m

TEMPERATURE RANGE:

-4°F to 158°F (-20°C to 70°C)

Easy installation of most of the parts due to magnets.

AVAILABLE OPTIONS



RADIO CONNECTION

A wireless connection is possible between the head unit and the repeater.

REPEATER

Optional repeaters are also available in order to repeat the information or to manage additional external signaling kit.



VISION GIANT DISPLAY

Display with letters bright and large enough to be read at great distance.

EXTERNAL SIGNALIZING KIT

Audible and visual signals can be installed to indicate potential danger around the machine. Mechanical protection due to carry handle



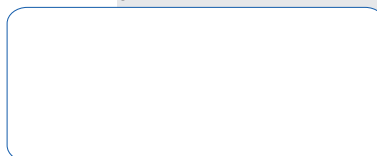
STANDARD SETUP DIAGRAM

ALIZÉ 3 is utilized to measure critical wind speeds mainly in civil engineering applications.

One of the many benefits of the ALIZÉ 3 is to give real time information by warning the user through audible and visual alarms in case of high wind speeds.



CERTIFIED DEALER



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TOWER CRANE CAMERA



- * **Hook Camera**
- * **Trolley Camera**
- * **Winch Spooling Camera**



**INTERNATIONAL
WARRANTY**

Contact

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OUR VALUES

- SERVICE
- EXPERTISE
- TEAMWORK
- FRIENDLINESS



ASCOREL CERTIFIED DISTRIBUTOR

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