



ANTI-COLLISION SYSTEM FOR OVERHEAD TRAVELLING OR GANTRY CRANES

AC140

Solutions for construction sites and industry

Renowned specialist in anti-collision for tower cranes in the construction sector, SMIE has drawn from its experience in the determination of the position of machine on rails (construction or industry) to develop a new system capable of managing the interferences of overhead travelling cranes or gantry cranes.

A truly complete system, the AC140 possesses several functions that make it one of the most impressive systems of its kind on the market. Not just a safety aid, it is also a productivity tool.



A complete system for any situation

- Each bridge is equipped with only one AC140 system, independently of the number of interferences.
- Management of up to 16 bridges on the same track or on several levels of parallel or superimposed tracks. This function is unique on the market and guarantees the total management of interferences.
- Communication between the bridges in real time either by wireless transmission or by cable.
- Limitation of the movements of the bridge at the end of the track, therefore eliminating the need to install limit switches.
- Management of tracking when the distance is reduced between the bridges (less than the braking distance).
- The speed management capability allows the stopping distances between each bridge to be identical, irrespective of their speeds.

Designed to offer maximum security

- The AC140 works in dusty and greasy environments or where there is reduced visibility (fog, curtains, snowfall etc..).
- There are two possible actions in each direction of movement (speed threshold and stop).
- In the event of malfunction, the system includes a positive safety function.

Simplicity and ease of use

The configuration of the anti-collision system, by programming tool, is relatively simply. A cabin display showing the activity of the systems and the position of the machines is available as an option.