EGOpro SAFETY ANTI-COLLISION
Bridge crane anti-collision
Aid to Safety
The EGOpro Safety Anti-collision System manufactured by Advanced Microwave Engineering uses the latest LNXessence technology, which is a patented active RFID system to manage areas where different cranes overlap each other and there is a risk of collisions, so providing an innovative and efficient aid to health and safety in the workplace.

Unlike other types of equipment on the market, the EGOpro Safety Anti-collision system can be adapted to prevent not only CRANE TO CRANE collisions but also to prevent CRANE TO VEHICLE collisions, i.e., forklift trucks, shunting vehicles, container handling and delivery vehicles.

The function of the system is simple and straightforward and relies on only two main components—a sensor (receiver) and a reflector (transmitter)—with a pre-programmed distance between them.

**Functions and components**

The system comprises basically of two components, a PLX2700 sensor (receiver) and a PLX2700 reflector (transmitter).

As soon as the two components come within a pre-programmed distance of each other, a signal is sent to the crane system’s PLC confirming this, which then applies an emergency stop function, thus preventing a dangerous collision which could result in serious personnel injury and costly equipment damage.

At the present time, most other anti-collision systems work on either an optical or a radar principle, which in some environments and applications are not reliable, especially in dusty workplaces and where cranes are on different or multi-levels. The EGOpro Safety Anti-collision System is an advanced solution to most of these problems thanks to its core active LNXessence transponder technology.

EGOpro technology is a precise and reliable system which can operate in any environmental condition giving maximum protection to both people and machinery in the workplace.

The EGOpro safety anti-collision system brings many new advantages, fills the gaps and goes beyond the limits of optical and radar systems so is the most advanced technological choice for this type of equipment in today’s demanding industrial markets.