

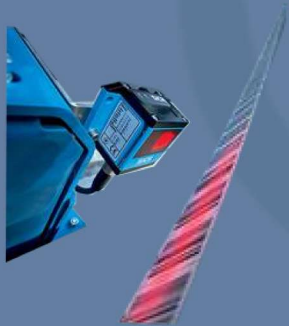
# DynACS BC

Collision Avoidance System  
for Overhead Cranes



# DYNACS BC

Collision Avoidance System  
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More than ever before, multi-crane work factories require systems capable of **operating under all safety constraints**.

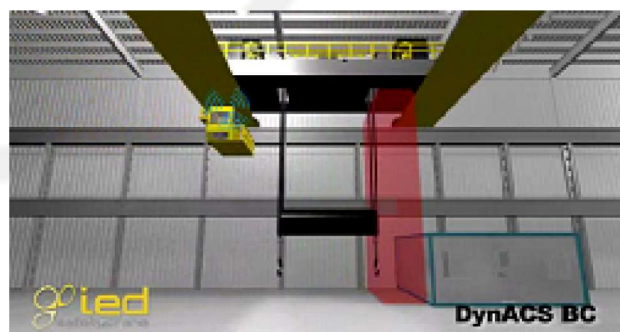
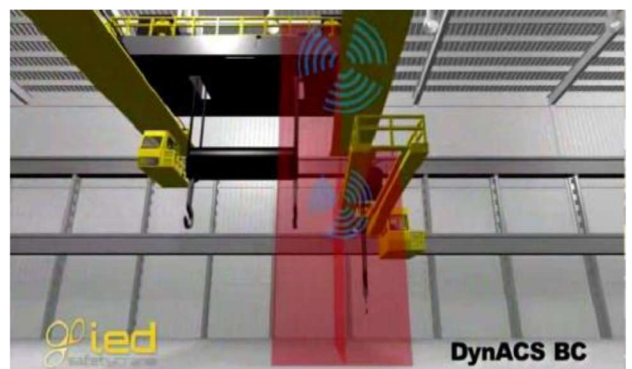
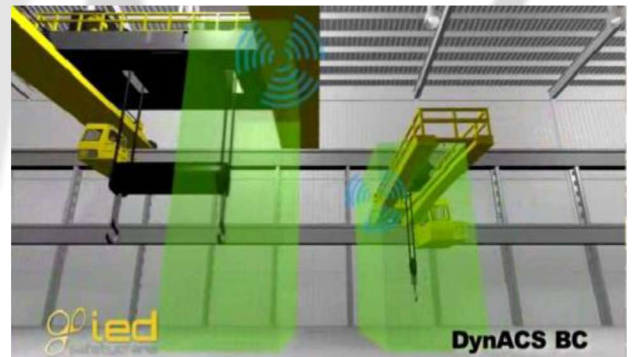
The DynACS BC collision avoidance system manages these constraints to **guarantee optimum safety in real time**.

The DynACS BC is a complete solution designed to avoid collisions between cranes working at the **same level**, at **different levels** or **prohibited flyover zones**.

## TECHNICAL FEATURES

- Multitude of long travel positioning technologies supported
- Optional wireless programming

- Enable/Disable up to 6 prohibited zones
- Up to 16 interfering cranes
- System fault detection
- Minimum maintenance and easy troubleshooting



## BENEFITS

- Safe working environment
- Reduction in breakdowns
- Increase in productivity

[www.anticollision.com](http://www.anticollision.com)

[www.cranecollisionavoidance.com](http://www.cranecollisionavoidance.com)

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safetycrane

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## MODULES DESCRIPTION

DynACS BC collision avoidance system includes various modules:

- **DynCALC BC** is the local controller, the heart of the system. It contains the micro controller and the inputs/outputs management.
- The long travel, trolley, hook and slew **SENSORS** provide crane position information. Appropriate sensors must be chosen for each specific working environment.
- The **COMMUNICATION MODULE** allows wireless information exchange between cranes.
- The Installation Software **DynIS**. Programming and monitoring functions should be made from this environment.
- **DynSWITCH** contains the override key of DynACS BC. Individual crane override can be done in each DynCALC BC.

## TECHNICAL SPECIFICATIONS

Power supply	85 – 265Vac 50/60Hz	Operating temperature	-10 / 70°C
Power consumption	<30W	IP protection	IP65
Dimensions	490 x 370 x 185 mm	Communication	WiFi (IEEE 802.11b) WEP encryption

## INPUTS

Long-travel positioning	RS422/SSI Communication	Enabling/Disabling forbidden zones	Digital input
2 trolleys positioning	Potentiometer/digital input	Individual crane inhibition	Digital input/
4 hooks positioning	Potentiometer/digital input	Total system inhibition	DynSWITCH

## OUTPUTS

Long travel movement stop	Relay contact (1 pole, 8A, NO)	Beaconing	Relay contact (1 pole, 8A, NO)
Trolley movement stop	Relay contact (1 pole, 8A, NO)	Slew movement stop (Jib crane)	Relay contact (1 pole, 8A, NO)
Hook movement stop	Relay contact (1 pole, 8A, NO)		

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**AUTHORIZED DISTRIBUTOR:**

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