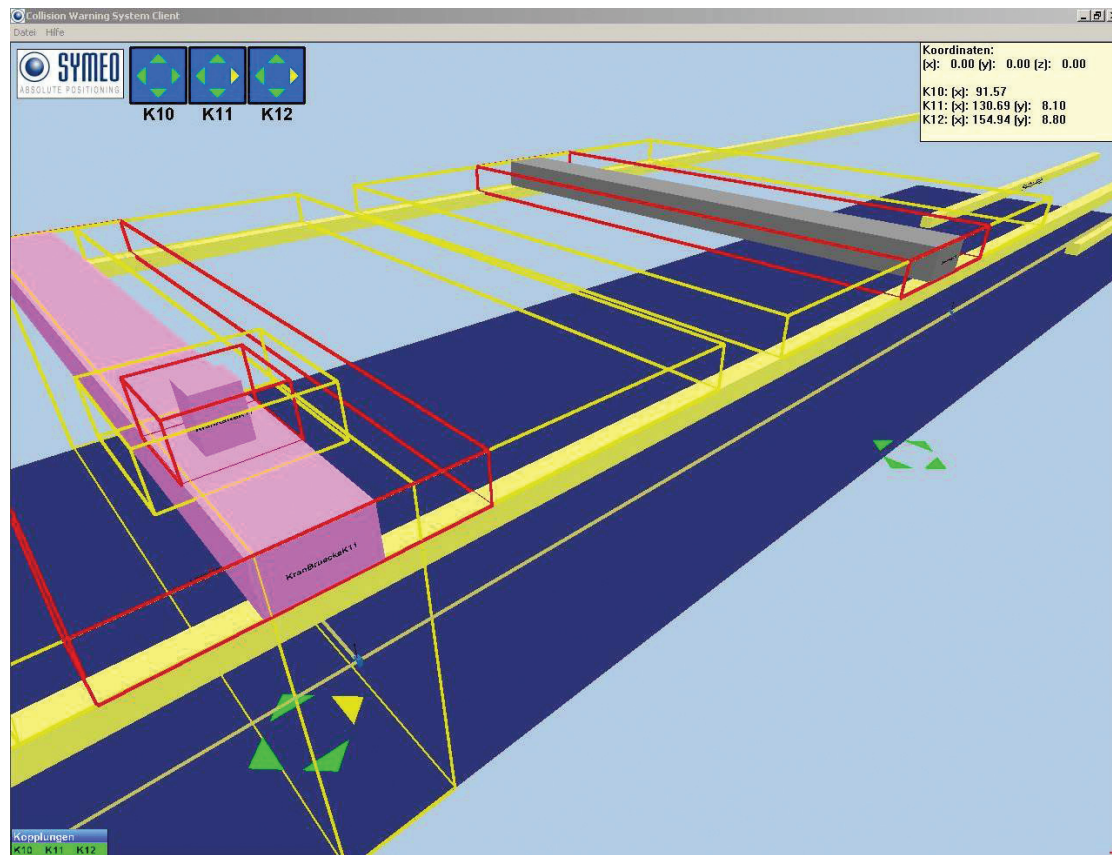


# 3D Visualisation of Crane Movements and Anti-collision



Available in the UK and Ireland only from  
**CRANE CARE LTD**

## Data Sheet 7



## Symeo AntiColl Software

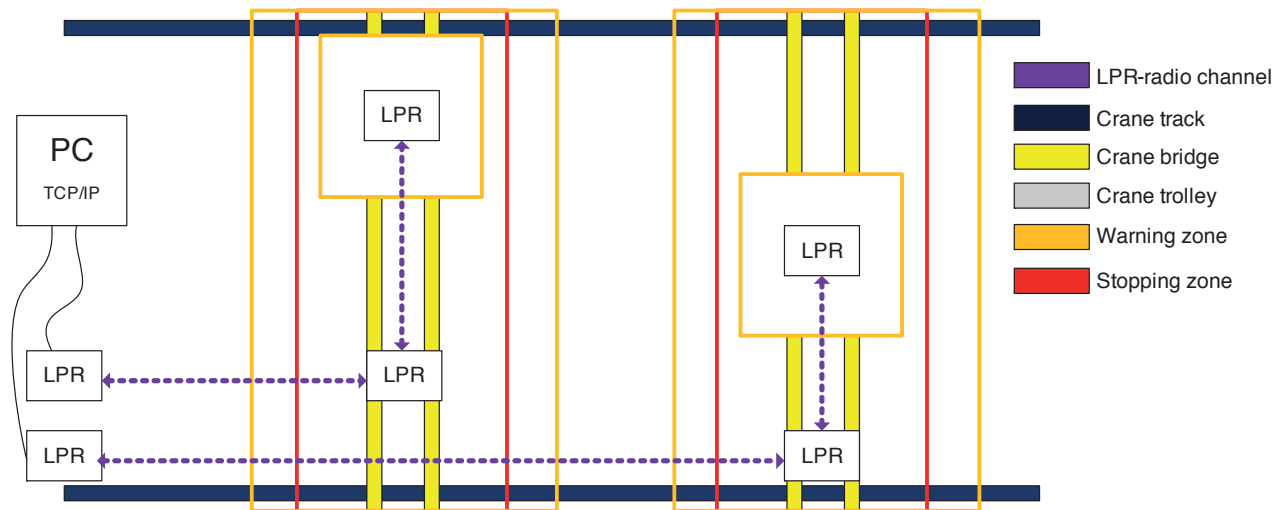
- 3D real-time visualisation of crane and trolley positioning
- Display of warning or stop signals if objects get too close
- Visualisation of stopping and warning areas
- Visualisation of danger situation
- Can configure numerous objects of any size – crane rails, cranes, trolleys, barriers
- Fast installation, without need of programming skills

The software SYMEO AntiColl is an assistance tool for anti-collision applications. It allows crane warning and stopping areas to be set, and can prohibit the entry of cranes into exclusion zones.

Wall mounted local positioning radar (LPR) units continually gather positioning and distance data in real-time from cranes and trolleys. This data is transferred via Ethernet cable to a PC equipped with SYMEO AntiColl. The dimensions of the objects are freely configurable and easy to enter.

The software monitors the position of the cranes and calculates the distances between them. If dangerous situations occur, it transmits either a warning or stop signal to the respective wall mounted LPR unit via Ethernet connection. From this unit the signal is then sent via the LPR radio channel to the respective crane mounted unit, where a relay can be switched. The signal can also be made available for further processing at a TCP/IP interface.

The system works independently. No further infrastructure for data communication (i.e. WLAN or LAN) is necessary. The functionality of each LPR unit and the system is shown via the software SYMEO AntiColl.



## Technical Data: Symeo AntiColl

<b>System requirements</b>	
Standard PC	P4 – 1,4 GHz 1024 RAM TCP/IP interface Open GL graphic card
Interfaces to LPR system	TCP/IP
Number of LPR units	Min. 2 LPR-units - optional expandable
<b>Additional features</b>	
Number of crane rails and cranes	Unlimited
Number of fixed barriers	Unlimited
Number of relays per LPR unit	7
Visualisation of crane hook	Possible via additional sensor
Warning/Stopping zones	Size free configurable
Real-time operation	Yes
Data transmission	Via LPR radio channel
Parametrisation	No programming skills necessary
Functionality of cranes / failure of cranes / failure of measurement track	SYMEO AntiColl is monitoring the functionalities
Position detection	See LPR 1D Data Sheets