

the future is now - be there with us™

Infra-Red & Radio
Remote Control
Crane Systems

COMMANDER™

Horizontal & Vertical
Collision Avoidance
Crane Systems



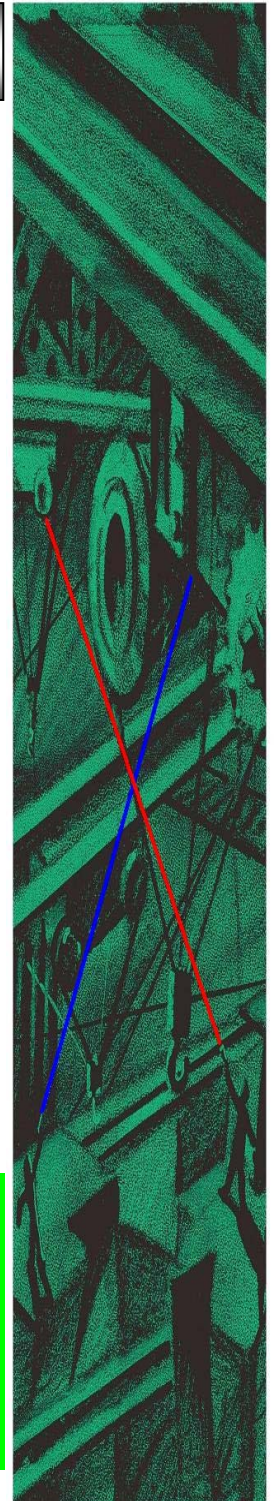
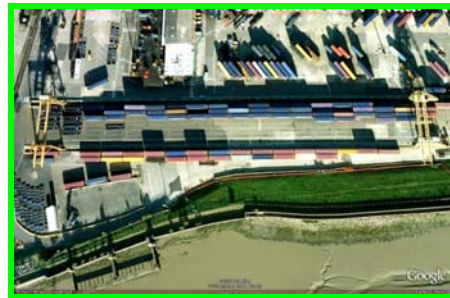
Case Study



IRCDS-HSD™ Detection System

- Location** Purfleet Container Port, Essex (close to QE-II Dartford Bridge)
- Industry** Container Shipping
- Application** Qty 2 Goliath Container Cranes (Wild & Kone) handling intermediate shipping container storage between ship off/on loading and land transport.
- Project** These two large container cranes are located close to a ship jetty on the River Thames where containers are off loaded and reloaded. Due to high storage of containers (multi stacked), crane operators located in the travelling operating cab have difficulty in ascertaining the location of the 'other' crane or the end of the rail tracks. An automated failsafe system was required to ensure no collisions between cranes. The installation of the **COMMANDER™ IRCDS-HSD™** equipment was carried out during 2009-2010. This system was ideally suited for the application and the scheme continues to be fully functioning since installation and commissioning thus ensuring no physical damage to machines or loss of production or shipping hold ups through downtime. The **IRCDS-HSD™** system uses security coded **Infra-Red** signalling to transmit bi-directional communication data between partner systems. 3 detection zones are included to prevent collisions by inhibiting speeds thus bringing the cranes to a safe and controlled stop.

Pictures



Specialist Designers & Manufacturers of Industrial **Infra-Red** & **PLL Synthesiser Radio** Remote Control; **Infra-Red, Ultrasonic & Microwave** Collision Avoidance Systems for Horizontal & Vertical (multi-level) applications; Simplex & Duplex Data Communicators; High Integrity Control Gear for High Integrity Material Handling Applications; Designers & Manufacturers of Eddy Current Brakes & Closed Loop Controllers; CE compliant: **U.K. Designed & Manufactured.**



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