

# Thameslink Programme

## Health & Safety – Good Practice 014

### SkySiren PCS @ Bermondsey Dive Under

#### Overview/Description

SkySiren PCS (Pre-Crushing Sensing) is an advancement in secondary guarding designed to prevent entrapment, raise operator alertness and improve safety when working on MEWPs (Mobile Elevated Work Platforms). It is an add-on feature to the original SkySiren protection, designed to eliminate / reduce crush type injuries to operators should they find themselves in an entrapment situation.

It has been a requirement for all boom-type MEWPs operating on Skanska sites (IPAF Category 3b) to be fitted with SkySiren protection since 2012.

This January (2016) Bermondsey Dive Under project became the first Skanska site to go a step further and trial SkySiren PCS, the latest technology in MEWP protection.

The PCS system is being developed to suit scissor lifts as well and BDU will have the opportunity to trial this on site this year.



Image of Sky Siren PCS in use at BDU

#### Benefits

- Detects potential trap and crush hazards before they can occur – and automatically stops platform
- Operator can quickly move platform into ideal work position
- Operators are alerted to additional risks when working close to trap and crush hazards
- Proven industry-leading secondary guarding solution provides safety back-up
- Allows normal use of boom platform – no compromise on operational effectiveness

#### Double protection for operators



- 1 Ultrasonic sensors detect entrapment hazards and automatically stop the platform.  
Simple restart, with operator alerted to the hazard.



- 2 Proven SkySiren® pressure sensor device provides back-up protection.  
Flashing beacon and klaxon alert colleagues.