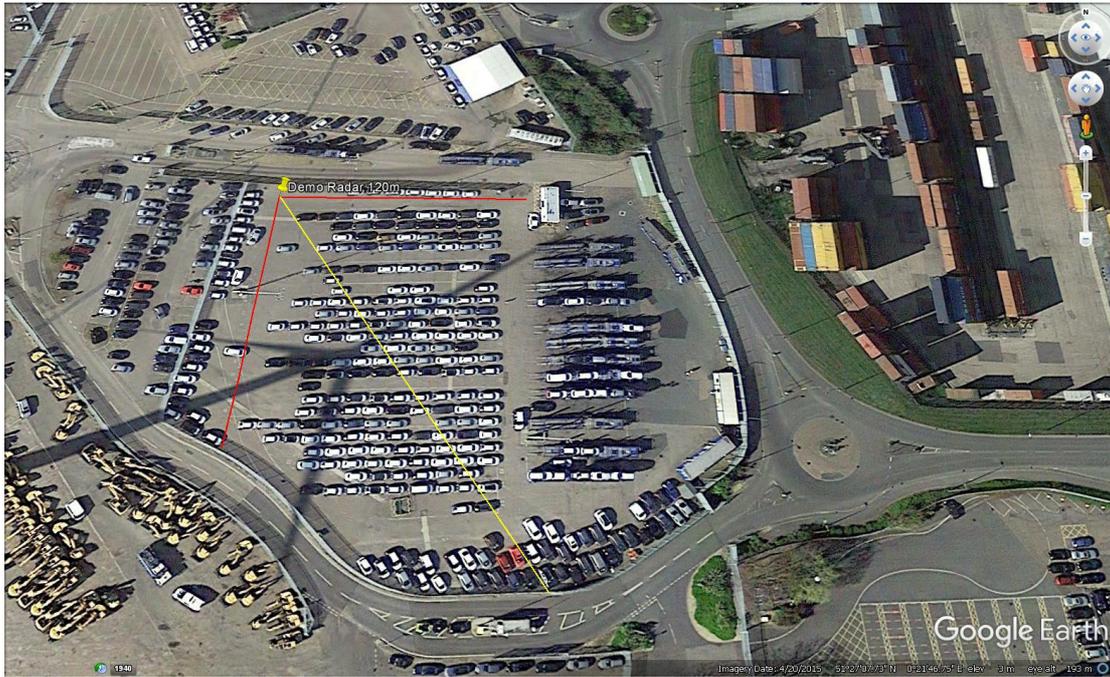


This case study briefly describes how Scan-360 was been put through its paces at a car storage compound within a major UK port facility.



Background

During daylight hours the car compound was a hive of activity with cars being moved into the area ready to be loaded on to transporters and delivered to dealers around the country. The customer wanted to pick up the vehicle movements and people walking in and around the cars, transporters and office area.

The Scan-360 radar was paired with a Predator camera and both were mounted at 3m. The radar set-up was completed in minutes thanks to the intuitive radar software, which easily calibrates the camera and radar, and has simple controls to set the radar height and add a map of the coverage area, enabling the detection perimeter to be defined easily. Scan-360 automatically pointed the camera at the detected movement to record footage that could later be used as an audit-trail in case of vehicle damage, for example filming vehicles upon entry and exit. Outside of operating hours, the system operated to detect intruders and record footage, as well as alert the nearby security teams.

The customer's verdict: "The radar works extremely well, detecting vehicle movements into the compound, around the compound and being loaded on to the transporters. What impressed me most was the detection of people walking between the vehicles"





Scan-360 Advantages

Scan-360 is the ideal solution for securing large areas and compounds. The radar can be mounted high to see over obstructions and does not have a large blind spot underneath. The web-browser based configuration uses an intuitive satellite map, over which the detection areas defined by simply drawing the required area outlines.

Scan-360 uses the license-exempt 24 GHz frequency band so is not affected by the proximity of high-power marine radars that typically operate at much lower frequencies, therefore operation within port facilities is as hassle-free as any other location. No special permission is required to operate Scan-360.

With a long 200m detection range, a single sensor covers a 400m diameter area of over 125,000 square metres. Adaptive software compensates for adverse weather to maintain a low false alarm rate and high detection probability. Settings can be changed easily using the IP interface to modify performance, for example making some areas more sensitive to movement than others.

Integration with third-party VMS software allows Scan-360 data outputs to be utilised, such as outputting the co-ordinates of the intruder. The radar is able to detect and track multiple targets and if necessary, control up to four cameras. A variety of CCTV ONVIF cameras from a range of manufacturers are compatible with Scan-360. During the set-up routine any offsets between cameras and radar mounting position are calibrated out, to ensure the camera is always pointed in the correct direction with the optimum zoom factor to record footage of the incident. Scan-360 also includes a contact-closure interface that can be interfaced with existing alarm panels.

Radar can operate within poorly-lit compounds. Upon detection Scan-360 can trigger the camera illumination if required. Bright white lights have a deterrent effect as the spot light from the camera will follow the intruders. Alternatively, infrared illumination may be selected so the intruders are unaware that a security team is monitoring their position, increasing chances of apprehension.

Please visit our website to discover more about our radar solutions.



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