

This case study describes how ten Scan-360 radars have been installed to protect a large critical national infrastructure (CNI) site in England. The fully operational system shows the advantages of radar detection compared to other technologies.



On behalf of the UK's National Grid, Obsidian Security selected Ogier's Scan-360 radar integrated with Predator cameras from 360 Vision Technology. Simon George, Obsidian's Managing Director explains:



“Taking on National Grid’s challenging brief, Obsidian had a reputation to uphold at this hugely important location, where having security personnel on-hand to watch every part of the site at all times, was quite simply, impractical. For security reasons, the exact details of this COMAH* site cannot be disclosed.” * (Control of Major Accident Hazards)

“The site itself is very wide, the fenceline alone is nearly 14 kilometres, and there are jetties about two and a half miles away from the main site. We had been using thermal analytics to protect the jetty areas, but those turned out to be very unreliable. From the jetty areas, there are pipe tracks and vast expanses of open ground with nothing much to see, so you don’t want to have security teams looking at camera feeds of just fence and grass all the time. We needed a technology that would reliably detect movement and potential intrusion over very wide spaces, and throughout all sorts of weather conditions, because being on the water can make visibility difficult at times.”



“The way this site is positioned, it can be approached from the water, so we set up a radar camera and arranged for a tug to come in underneath the jetty dolphins, to see if the Predator Radar picked it up, and it did.”

Ray Wright of the National Grid commented: “Obsidian Security has continually supplied a first-rate service at this facility. In this time, not only have they delivered consistently but have additionally provided security and safety advice to enhance the security of this top-tier COMAH site.”

Scan-360 radars operate day and night in all weather, tracking multiple intruders within the full 360-degree coverage area spanning over 125,000 square metres per radar. Multiple radars can be located near to one another without mutual interference to provide uninterrupted security coverage over large sites.

Ogier Electronics 24 GHz radar technologies have been refined over a number of years resulting in high detection probability based on real world testing. This has been demonstrated by Obsidian’s tests where our radar outperformed competing thermal analytics solutions. Our experience is that other technologies may appear similar or sometimes better in ideal conditions, but radar can be relied upon to work in less than ideal conditions and in all weathers. For this reason, Scan-360 radars continue to safeguard a number of high-value and sensitive sites where reliable detection is essential.



To find out more about our Scan-360 radar please visit our website: www.ogierelectronics.com



T: +44 (0) 1727 853 521
E: enquiries@ogierelectronics.com
W: www.ogierelectronics.com

Unit 13 Sandridge Park,
Porters Wood, St Albans,
Herts, AL1 6PH, UK

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