WATERSIDE SECURITY · RIVER THAMES, LONDON

Land radar, tested on the water

Omni Guard Perimeter Radar is built to detect people and vehicles on land. A live trial aboard HQS Wellington in central London put it to work tracking boats on the Thames.

180°	400 m	Default	Live
FIELD OF VIEW	OF RIVER COVERED	DETECTION SETTINGS	MAP TRACKING

01 · THE QUESTION

Could a land radar cope with open water, where ripple, wake, reflective clutter and a moving platform all affect accuracy, and still pick out small boats?

02 · THE TRIAL

The radar sat on HQS Wellington's lower mooring deck to minimise reflection interference, with a paired PTZ camera on the main deck and a 180° view across the 400 m river. Its default algorithms, built to ignore moving foliage, were left unchanged, and vessel positions were logged on a live map.



OMNI GUARD PERIMETER RADAR WITH PAIRED PTZ CAMERA

03 · THE RESULTS

01
Boats clearly detected
Small and mid-sized vessels.

02
Minimal false alarms
Despite waves and boat wake.

03
No reconfiguration
Tracked on standard settings.

04
Land and water zones
Zones tuned separately.

Protect the waterside approach

Ports, marinas and riverside sites: talk to APS about covering land and water with Omni Guard Perimeter Radar.

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