

Khalifa Port installs perimeter protection

Case Study - Khalifa Port, Abu Dhabi - United Arab Emirates

Khalifa Port installs Navtech's market-leading AdvanceGuard to increase their perimeter security protection on land and over water, retaining its credibility as a safe and secure cargo handling facility.



The Challenge

Protecting the perimeter on land and sea at all times

Khalifa Port

Khalifa Port is a state-of-the-art, deepwater cargo handling facility, which has established itself as a world-leading facility and as such has built a solid reputation.

To maintain this status, it was recognised that tighter security measures surrounding Khalifa Port, both on land and sea needed to be implemented.

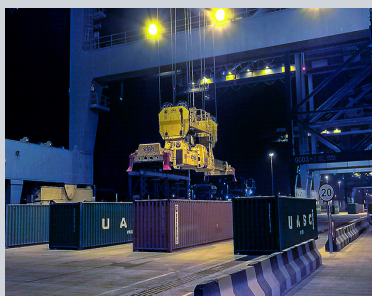
Due to the complex geographical location Khalifa Port required a security solution that would provide perimeter detection both over water and on land.

This solution needed to accurately and quickly detect approaching vessels, boats, vehicles and intruders and that could effectively operate in all weather and light conditions 24/7, providing 360° perimeter protection.

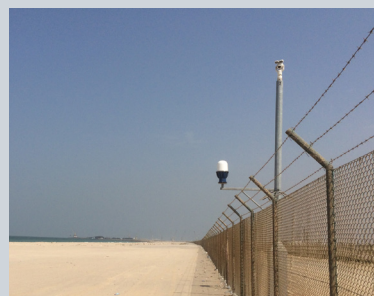
It quickly became evident that Khalifa Port were not only looking for a suitable technology that could effectively operate across both land and sea, but they also required a solution that they could have complete confidence in.



AdvanceGuard's scalability and adaptability meant the solution was easily integrated into Khalifa Port's existing systems and infrastructure. This lowered the overall cost as no new infrastructure was required.



Due to the long-range, 360° detection, fewer radar sensors were needed for coverage of the entire site. This minimised the costs and boosted site security.



The perimeter at Khalifa Port is tracked and monitored on a simple, user-friendly interface, ready to detect a potential intrusion and identify the exact location and direction of movement. Camera integration provides added visual information.

The Solution

Radar-based perimeter detection solution with PTZ camera integration

The project was awarded to our system integrator partner Green TSI who specialises in installing security projects. Navtech Radar was specified due to our solutions' ability to meet the complex geographical landscape requirements set by the exceptional parameters of the port.

Initially, we ran a proof of concept (POC) to ensure that the solution would meet Khalifa's requirements.

Wide area coverage

Following the successful POC trial, we designed a site diagram and conducted a complete site survey to demonstrate the solution's high-level performance expected on-site. A network of long-range, high-resolution radar sensors was installed, and in conjunction with our real-time threat analysis software, AdvanceGuard secured Khalifa Port's wide-area perimeter.

Reliable detection and tracking

AdvanceGuard intelligent rules-based software continuously monitors inside and outside the port's perimeter. It automatically generates an alert when there is a breach in rules. Unlimited targets are displayed on a user-friendly interface, pinpointing their exact location. Its reliable detection is unaffected by adverse weather or light conditions.

Camera integration

AdvanceGuard was integrated with the existing VMS system, automatically directing the cameras when movement is detected. The entire system provides the port with wide-area detection solution that not only detects both inside and outside of the perimeter, but also provides full coverage across land and water.



" Green TSI recommended AdvanceGuard, due to it being recognised as highly reliable solution, that would perform exceptionally well, in a challenging environment. This solution not only increased their perimeter security protection on land and water but to also ensure that they retained their credibility as a safe and secure cargo handling facility. "

Junaid Iqbal Mizra
Contract Manager
Green TSI



Summary

In situations where you cannot afford security breaches, you can rely on AdvanceGuard. A sophisticated Intelligent Behaviour Analysis solution accurately detects and tracks unlimited targets in all weather and light conditions.

Experiencing the best-in-class performance for themselves, the

Khalifa Port team quickly evolved the project from a POC, to covering the site's most complex areas. The reliability and accuracy, coupled with full coverage across land and water, means the safety of the port's assets is uncompromised.

Khalifa Port has recognised that AdvanceGuard meets its needs

today and in the future. As the port expands, the solution is easily adaptable and configurable to provide reliable wide-area surveillance inside and outside the perimeter.

Navtech Radar Limited
Home Farm, Ardington, Wantage,
Oxfordshire, UK, OX12 8PD

+44(0)1235 832419

sales@navtechradar.com

navtechradar.com

