

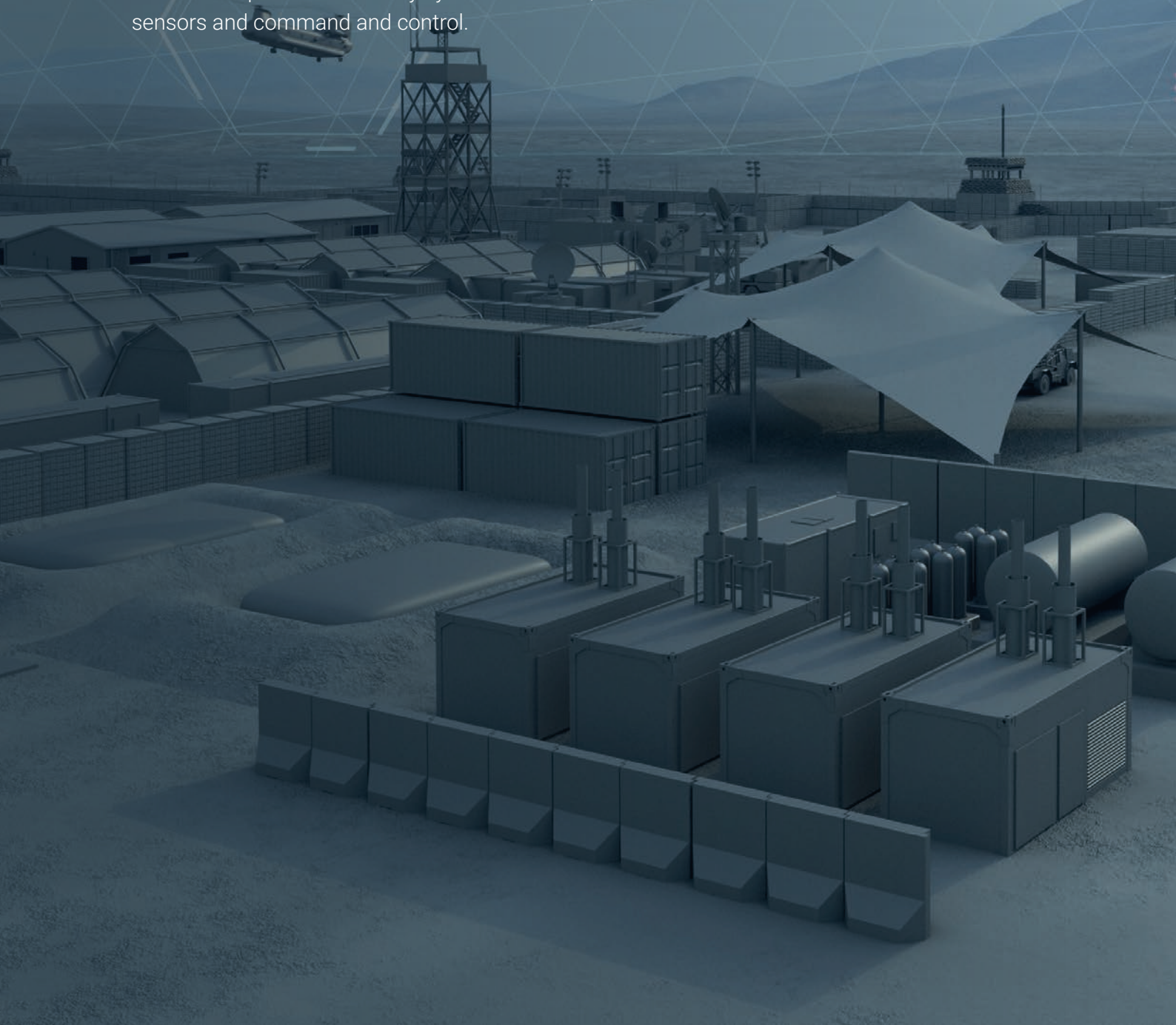


MARSS |  RADiRguard™

SMART PERIMETER SURVEILLANCE

PROTECTING WHAT MATTERS MOST

High level perimeter & border security is required more than ever with threats evolving globally at a rapid pace. Whether protecting government buildings, landmarks, military bases or national borders, the MARSS RADiGuard provides 24/7 autonomous monitoring, detection, tracking and decision support in the event of a security incident. Fully integrated with MARSS NiDAR, RADiGuard offers an intelligent turnkey solution for command and control operations to protect critical infrastructure and perimeters. RADiGuard operates as an all-in-one system to replace traditional stand alone perimeter security systems as CCTV, detection sensors and command and control.





ALL-IN-ONE SOLAR POWERED PERIMETER PROTECTION

80% SAVINGS WITH OFF-GRID SECURITY INSTALLATIONS

RADiRguard is an all-in-one infrastructure perimeter solution, that includes sensors for reliable detection and classification of threats before they reach a perimeter. Each self-contained RADiRguard unit combines built-in radar, CCTV and IR, plus intelligent threat classification to reliably detect and classify objects in advance of reaching a perimeter. The RADiRguard is easily and rapidly deployable and is a cost effective, scalable solution that can be configured to a wide variety of surveillance areas.



SYSTEM OVERVIEW

INTEGRATED CCTV

Continuous monitoring and detection 24/7

EO CAMERA

Optical and infrared pan, tilt and zoom camera for enhanced classification

NiDAR AI

Artificial intelligence with seamless integration to NiDAR

INTELLIGENT RADAR

High accuracy object tracking up to 250m

CYLINDRIC SOLAR

High energy production with 80% installation savings

LITHIUM BATTERY PACK

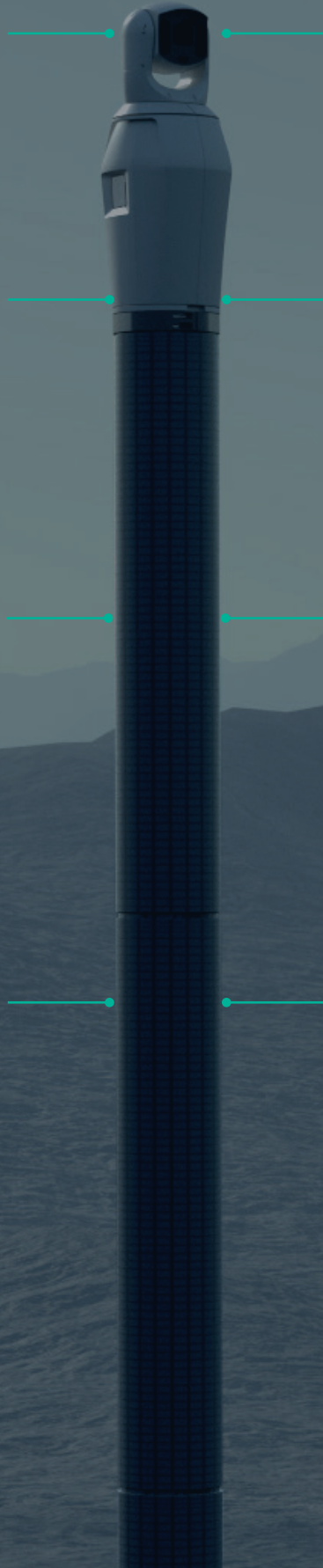
Covers the energy requirement for night/bad weather operations

MODULAR CAPABILITY

Bolt on accessories to expand reach, awareness and capability

FUEL CELL BACKUP

Clean energy production for extreme weather conditions





LAYERED PROTECTION

RADiRguard continuously monitors ground threat activity, including intruders and vehicles, from upwards of 500m along a perimeter and 50m outwards. Information is verified using NiDAR AI to determine threat status. If an anomaly or a hostile behaviour pattern is identified, operators will receive an alert through the RADiRguard user interface (UI), with recommended best course of action to respond.



RADiRGUARD OPERATOR ALERT

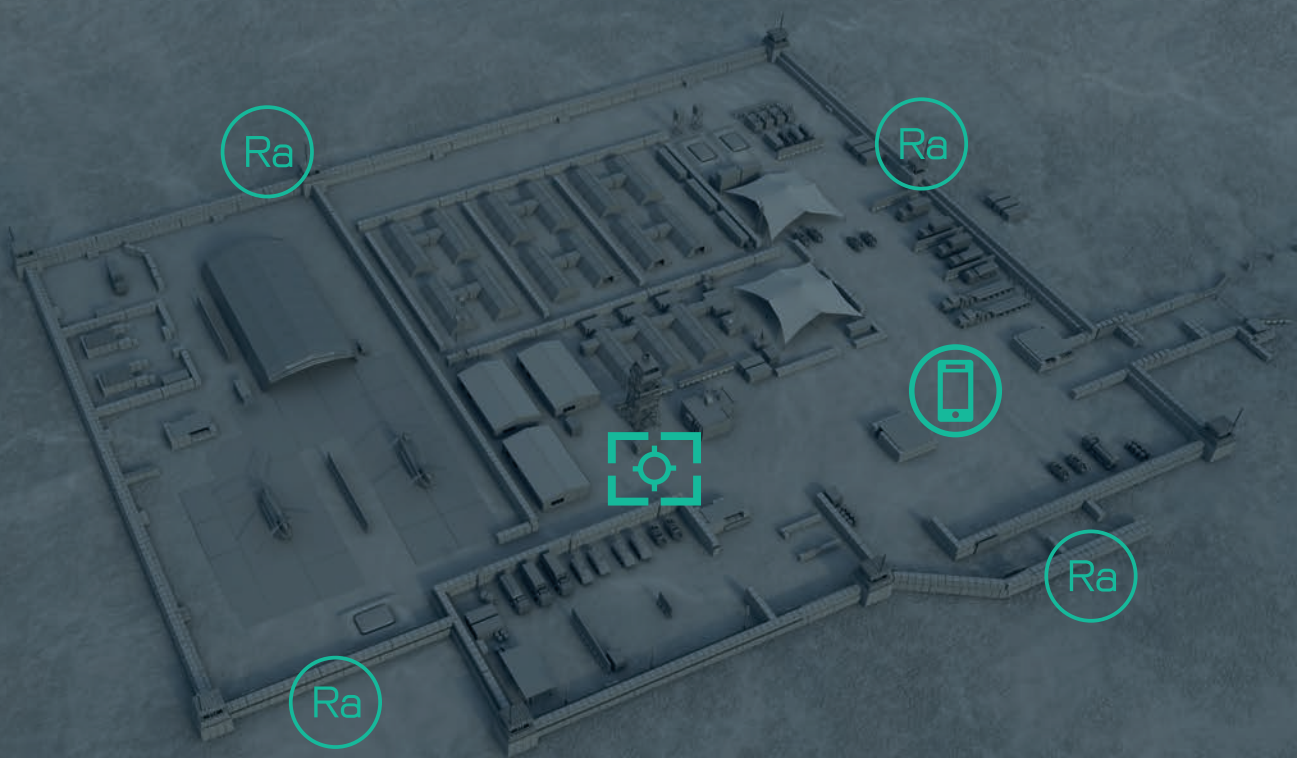
SEAMLESS INTEGRATION WITH MARSS NIDAR C2 FOR CONTINUOUS SURVEILLANCE AND MONITORING

1. **REAL-TIME TRACKING**
1000+ objects, including blue force and own assets
2. **LIVE VIDEO FEEDS**
Automated tracking/camera handover
3. **MULTI-TOUCH CONTROL**
Intuitive operation of sensors/effectors
4. **BACKGROUND**
Satellite image and electronic map
5. **SMART ALERTS**
Real time visual/audio alarms
6. **EVENT TIMELINES**
Geo-located/time stamped data
7. **PROTECTION ZONES**
User defined warning and alarm zones
8. **SECURITY LEVELS**
User defined based on threat scenario
9. **OBJECT MONITORING & INTEL**
Continuous surveillance to monitor behavior
10. **INTEGRATED COUNTERMEASURES**
Selection based on type of target



ASSET INSTALLATION

Utilizing the NiDAR system, RADiRguard is a modular, scalable and fully customizable solution, suitable for a wide variety of installations. Each configuration, including the number of sensors, is developed in collaboration with our customers and installed based on their security requirements.



RADiRguard



NiDAR C2
INTERFACE



MOBILE
COMMAND

PRODUCT FAMILY

RADiRguard is available in two variations to support a wide range of capabilities with protection up to 500m.



SOLAR 500

Off grid solar powered solution with 500m of perimeter protection with one pole



500

Grid powered perimeter protection up to 500m with one pole





MARSS

T +377 93 50 52 22
E info@marss.com
W marss.com

KSA
KING KHALID RD
RIYADH
SAUDI ARABIA

LONDON
14 CURZON STREET
W1J 5HN
LONDON, UK

MONACO
VILLA C OLYMPEA
6-8 RUE AUGUSTIN VENTO
98000, MONACO