CRITEC GROUP

Company Profile



We support all aspects of your project through our process of Define, Design and Deliver.

Introduction

Operating globally, Critec Group Ltd are independent security risk consultant formed as a joint venture from two of the UK's leading security engineering consultancies.

We have been successfully delivering security projects since 2001, in numerous markets including: border security, military, government, oil & gas, critical national infrastructure, justice, research, education, transportation, data, national and international major events, leisure and retail.

Define
Design
Deliver

Why Choose Critec?

We specialise in security risk, threat and vulnerability analysis, and security mitigation design for the built environment, providing support for the full security project timeline from definition and design to delivery.

Our technological expertise includes CCTV, PIDS, IDS, Access Control, SMS/PSIMs, physical security (hardening, doors, fencing, gates, HVM) and structural blast analysis. Additionally, we also advise on operational and strategic security.

Critec Group is licenced by BRE to provide security assessment, security engineering design, and risk and threat analysis under the global SABRE security assessment scheme. All our projects adopt the security principles enshrined in SABRE. Critec Group are also an ISO9001-accredited business.



Introduction

Define



- Security Threat, Risk & Vulnerability Analysis
- Feasibility Studies / Concept Designs
- Concept of Operations (CONOPS)
- Front End Engineering Design (FEED)
- Operational Requirements (OR) Development
- BRE SABRE Assessments & Professional Services

Design



- Physical & Electronic Security Engineering Design
- Blast Analysis Assessments & Design
- Hostile Vehicle Mitigation Analysis & Design
- Design Validation
- Command & Control Centre Design
- Project Specification Production
- Design Modelling & Visualisation

Deliver



- Pre & Post Tender Support
- Tender Evaluation & Management
- Contractor Evaluations
- Client Representation
- Project Management Office (PMO) Provision
- Package & Programme Management
- Validation Testing
- Security Procedure Assessment & Development
- Compliance Audits

Core Services

We specialise in security risk, threat and vulnerability analysis and security mitigation design for the built environment; providing support for the full security project timeline from definition and design to delivery.

BLAST MITIGATION & ANALYSIS

CONSULTANCY SERVICES

PROJECT MANAGEMENT OFFICE (PMO)

DRONE MAPPING & MODELLING

BLAST MITIGATION & ANALYSIS

Explosions and terrorist attacks are a real threat to the public, governmental, military, oil & gas, and utilities sectors in many countries.

There are many ways to protect against these types of incidents. We have experienced and qualified structural engineers trained in Blast Mitigation techniques who are able to compile a comprehensive analysis of the facility detailing high vulnerability and threat areas.

CONSULTANCY SERVICES

We provide a full suite of Consultancy services. From Concept of Operations (CONOPS) and Front End Engineering Design (FEED) through to Detailed Design & Specification production. In addition, we also manage tender processes, from answering RFIs/TQs, evaluating bids for technical and commercial compliance, and establishing best value, through to contractor selection and engagement

PROJECT MANAGEMENT OFFICE (PMO)

In additon to the conventional Risk & Security consultancy services, we offer a full Security Project Management service. We operate the 'Client Side' of the project and can manage all aspects of the project timeline, from programme management to document control, implementation, testing, commissioning, handover, and training, delivering your project in budget and on time.

DRONE MAPPING & MODELLING

Our Drone Mapping and Modelling service uses advanced photogrammetry techniques to collect hundreds or thousands of high-resolution images, which are then stitched together to provides high-resolution aerial imagery and 3D models for a variety of applications. These range from site surveys and construction monitoring to environmental assessments and disaster management. Utilising advanced drone technology, we offer precise, real-time data that allows for accurate mapping, volumetric analysis, and topographic modeling.

Our outputs include 2D Orthomosaic Maps, 3D Point Clouds, Digital Surface Models (DSM) and Digital Terrain Models (DTM).

Areas of expertise:

- Access Control
- Perimeter Fencing
- Control rooms & fully Integrated systems
- Perimeter Intrusion Detection Systems
- Hostile Vehicle Mitigation (HVM) (PIDS)
- Lighting
- CCTV

Core Services



Sectors

Critec Group excels in delivering bespoke security solutions across diverse sectors and multiple continents. Our industry-specific expertise ensures that each client receives a comprehensive and customised approach to their security needs.

NATIONAL INFRASTRUCTURE

PUBLIC SECTOR

PRIVATE SECTOR

NATIONAL INFRASTRUCTURE

Critec Group have been advising on National Infrastructure (NI) security requirements since Critec's formation in 2001, and our CEO has been involved in NI projects since 1987; initially in the water and nuclear industries and more recently in gas and electricity transmission.

We work with the client organisation to identify the individual critical assets based on numerous risk and threat scenarios; assessing time to repair, spares availability, the impact of catastrophic loss (including reputational damage), and associated costs. We then liaise with the response organisations to assess the realistic response time.

Only when all the variables are known and it has been determined that physical and electronic security protection offer the most cost-effective solution will we proceed to design suitable deterrent, delay, detection, and verification measures, often in multiple layers, to achieve the required physical standoff and intrusion delays to prevent the asset from being compromised in the period between detection and the arrival of the response authorities.

PUBLIC SECTOR

Our public sector projects include those for public bodies, such as government departments, law enforcement, custodial services, and also private organisations working in the public domain, such as public and open space monitoring, public transportation schemes, retail & leisure facilities and education establishments.

We have extensive experience in identifying capital and operational savings via the selection of appropriate equipment, systems and process optimisation. Our projects are diverse, as are our clients, and range from feasibility studies through full design and specification production to client-side project delivery. We prescribe to the principles of Security by Design and utilise both active and passive surveillance in our building proposals to design out crime.

PRIVATE SECTOR

Our private sector projects have included commissions in the oil & gas, industrial, manufacturing, retail, leisure, pharmaceutical research, educational, data, transportation, and banking markets. Diverse by nature, the key to these commissions is to determine the risks to the client's business operations, assets, and reputation and then develop a solution that mitigates these risks with the minimum impact on legitimate practices.

Accreditations

Our commitment to excellence is reinforced by our industry-leading accreditations and certifications. These credentials underscore our unwavering dedication to delivering superior security solutions that meet the stringent requirements of our clients and regulatory bodies alike.



SECURITY ASSESSMENT BY BUILDING RESEARCH ESTABLISHMENT (SABRE)

SABRE is a security risk management standard that focuses on assessing and certifying the security of buildings and infrastructure. Like BREEAM, which evaluates sustainability, SABRE provides a framework for delivering and measuring the effectiveness of security measures in building projects. It uses recognised performance measures and benchmarks to evaluate the security aspects of a building's design, construction, and ongoing use.

SABRE assessments cover a broad range of security-related categories, including threat and risk assessment, security strategy, and the implementation of physical and operational security measures. Key focuses include mitigating risks such as criminal activity, terrorism, and vandalism, while also enhancing the safety of building users and the protection of assets.

By integrating security measures early in the project lifecycle, SABRE ensures that security risks are effectively managed, contributing to reduced operational costs, enhanced asset protection, improved user experience, and compliance with corporate security standards.

ISO 9001

SO 9001:2015 is the most widely used ISO standard in the world.

Over one million organisations globally have implemented an ISO 9001 quality management system, across a wide range of industries and sectors.

The standard is internationally recognised and considered a benchmark for quality management and is used to demonstrate an organisation's ability to consistently meet customer and regulatory requirements, while enhancing customer satisfaction.

ACHILLES UVDB VERIFIED

Achilles operates the prestigious Utilities Vendor Database Service (UVDB), used by leading UK utility companies.

Achilles UVDB accreditation entitles businesses to pre-qualify, using one questionnaire to market themselves across the whole industry. By achieving Achilles UVDB qualification, businesses can connect with the top utility organisations.

Achilles works with all the major utility buyer companies, including Thames Water, SSE, and National Grid. Achilles UVDB accreditation involves a pre-qualification questionnaire and a strict auditing process. The scheme requires the highest standards from both suppliers and buyers, which is why UVDB accreditation is so widely recognised.

Accreditations

Project Profile

Critec Group have completed many high-value and prestigious projects, the following is a brief overview of the projects completed to date.

MINISTRY OF DEFENCE OMAN (SAF)

Currently engaged as the Program Management Consultant for a large Critical Country Infrastructure project comprising all aspects of Physical and Electronic security. The project is a $660 Million dollar contract and the current assignment is to oversee the whole project on behalf of the Client.

OMAN GAS COMPANY (OGC)

Ongoing contract to provide a detailed Risk Assessment of the OGC estate and compile tender specifications for Security and Change management of the existing Security Plan and associated systems, upgrade and implementation of new CCTV and Perimeter, Access Control, Hostile Vehicle Mitigation, Entrance Control protection systems and procedures for the Oil and Gas operating division of the company. The project covers two main field facilities and a large HQ facility.

PETROLEUM DEVELOPMENT OMAN (PDO)

Ongoing contract to provide a detailed Risk Assessment of the PDO estate and compile tender specifications for Security and Change management of the existing Security Plan and associated systems, upgrade and implementation of new CCTV and Perimeter, Access Control, Hostile Vehicle Mitigation, Entrance Control protection systems and procedures for the Oil and Gas operating division of the company. The project covers 26 field facilities and a large HQ facility.

THAMES WATER UTILITIES (UK)

Ongoing 5-year contract to provide project management and Electronic Security Systems for 800 facilities across London and the South East.

ABU DHABI INVESTMENT AUTHORITY (ADIA)

Contracted to review the whole security operation of ADIA, providing a comprehensive Security Vulnerability Assessment, Security Policies and Standard Operating Procedures as well as on-the-job training of existing large security division within ADIA.

TAKREER REFINERIES (ABU DHABI)

Engaged by the main EMC contractor (Larsen and Toubro) to carry out a feasibility study and design for the protection and surveillance of pipeline and tank farm facilities throughout UAE.

BAPCO, BAHRAIN (BAHRAIN PETROLEUM COMPANY)

Contracted to provide a detailed Risk and Continuity Plan and compile tender specifications for Security and Change management of the existing Security Plan and associated systems, upgrade and implementation of new CCTV and Perimeter, Access Control, Blast Mitigation, Entrance Control, Wireless Security Communications Mesh including the design of a new Security Command and Control Building for the Oil and Gas refining division of the company.

The project covers 103 facilities with 1,500 CCTV cameras and 800 access control points with 6,000 users.

MINISTRY OF INTERIOR SDFC - KUWAIT

Contracted to advise on the design and implementation of the Shiaba Island new Command and Control Facility, incorporating Control Building refurbishment, design, and implementation, including a full CNI Command and Control C4i control room and Security Management system.

MINISTRY OF DEFENCE (BRITISH ARMY)

Contracted to provide detailed specifications for electronic security systems on military barracks for the UK MOD, the systems included CCTV, PIDS and Access Control Systems.



CRITEC GROUP

If you would like more information and would like to find out how we can help you

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