RISE

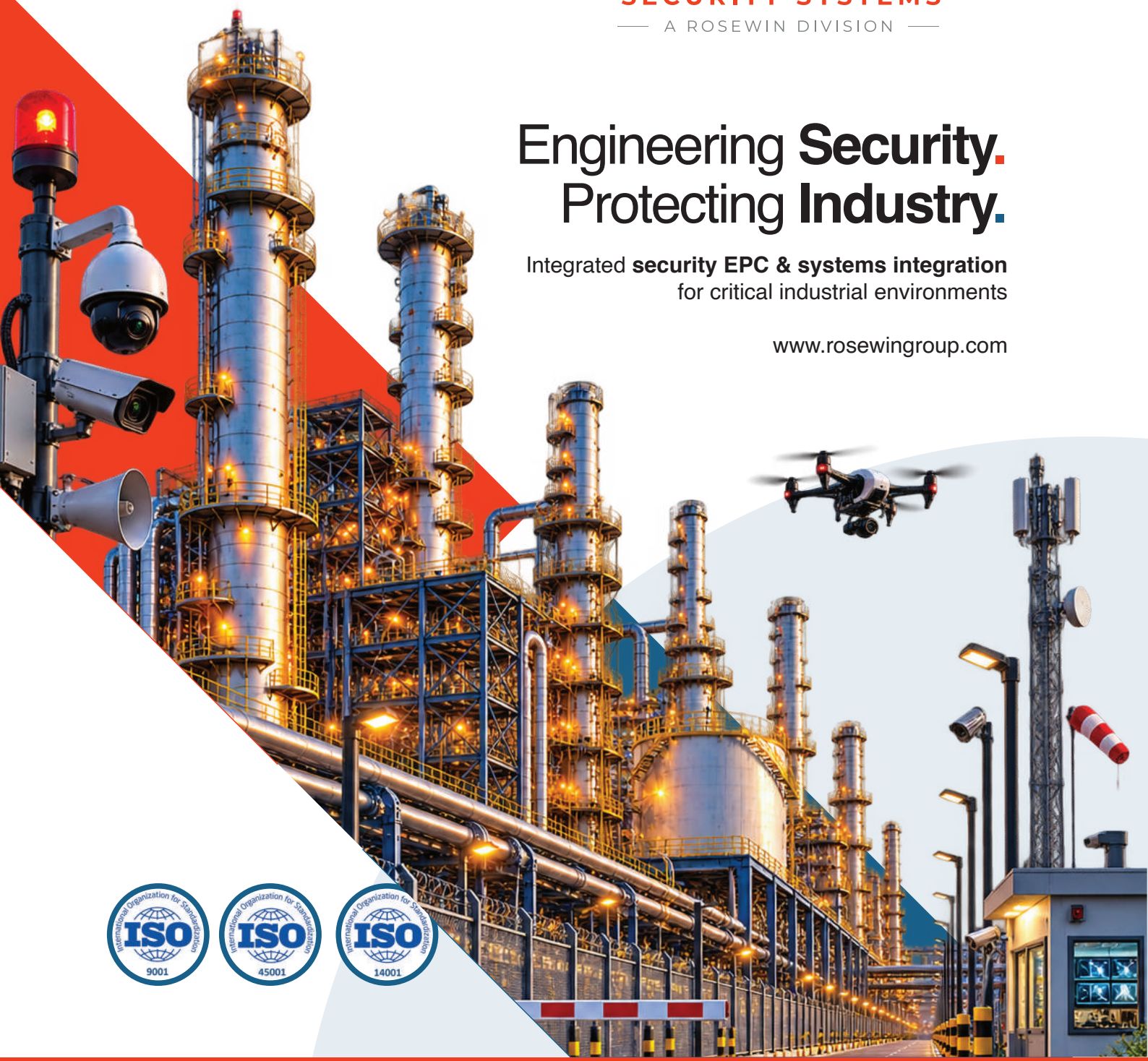
ROSEWIN INDUSTRIAL SECURITY SYSTEMS

A ROSEWIN DIVISION

Engineering **Security.** Protecting **Industry.**

Integrated **security EPC & systems integration** for critical industrial environments

www.rosewingroup.com



ISO 9001 | ISO 45001 | ISO 14001

SECURITY SYSTEMS I ENGINEERING I INTEGRATION I EPC

ROSEWIN INDUSTRIES

Security engineered around operations.

RISE protects people, production, assets and continuity by integrating physical security technologies into a dependable, site-specific architecture.



Who we are?

Rosewin Industrial Security Systems (RISE) is the specialized industrial security division of Rosewin Industries.

We engineer, procure, integrate, install, test and support security infrastructure for industrial facilities, critical infrastructure and high-value assets across Saudi Arabia and the GCC.

Why RISE?

INDUSTRIAL FIRST
Solutions designed for harsh environments, hazardous areas, dispersed assets and uninterrupted operations.

ONE ACCOUNTABLE EPC
One delivery path from surveys and detailed design to integration, commissioning and lifecycle support.

UNIFIED SECURITY
Video, access, perimeter, intrusion, communications and command systems working through a common operating picture.

COMPLIANCE-LED
Documentation and execution aligned to applicable client, HCIS and Saudi regulatory requirements.

OPEN INTEGRATION
Technology selected for the application, interoperability, maintainability and lifecycle value.

LOCAL EXECUTION
Saudi-based coordination backed by the wider engineering and commercial platform of Rosewin Industries.

Reliable protection. Clear situational awareness. Faster, coordinated response.

Security systems built for the threat, the asset and the operation.



PIPELINES & LINEAR ASSETS

Right-of-way monitoring, third-party intrusion detection, remote-site surveillance, leak/event correlation, communications and control-room escalation.



REFINERIES, PETROCHEMICAL & TANK FARMS

Layered perimeter detection, thermal/video verification, access control, vehicle screening, hazardous-area surveillance and centralized incident management.



PORTS, TERMINALS & LOGISTICS

Gate automation, ANPR, cargo/yard visibility, visitor and contractor control, perimeter protection and command-center integration.



POWER, WATER & UTILITIES

Protection of substations, generation assets, pumping stations, treatment plants, reservoirs and unmanned facilities.



LOW-ALTITUDE / DRONE THREAT READINESS

Detection, classification, tracking, visual confirmation and alert workflows for sensitive sites, with authorized response interfaces where permitted.



INDUSTRIAL CITIES & CAMPUSES

Multi-site access, identity and visitor management, perimeter zones, emergency communications and centralized operating dashboards.

Counter-UAS readiness for critical sites.

RISE protects people, production, assets and continuity by integrating physical security technologies into a dependable, site-specific architecture.



The operational challenge

Small unmanned aircraft can create surveillance, disruption and safety risks around refineries, terminals, utilities, industrial campuses and other sensitive assets. A dependable solution must detect and verify activity early while reducing false alarms and supporting a disciplined response.

Layered Counter-UAS architecture

1. **DETECT**
   RF sensing, radar and other approved detection technologies selected to suit terrain, clutter and coverage
2. **CLASSIFY & TRACK**
   Correlate sensor data to identify, classify and continuously track potential aerial targets.
3. **VERIFY**
   Cue long-range day/night or thermal cameras for visual confirmation and evidence capture.
4. **ALERT & ASSESS**
   Display tracks, zones, alarms and video within the security management or command-center environment.
5. **RESPOND**
   Trigger approved procedures & integrate authorized response or mitigation systems only where legally permitted.

RISE scope

- Site survey, coverage study and concept of operations (CONOPS)
- Sensor selection, tower/power/network design and systems integration
- Command-center visualization, alarm workflows, recording and reporting
- Testing, operator training, maintenance and technology refresh planning



Pipeline & remote-asset security.

Persistent visibility across long distances, unmanned stations and exposed rights-of-way.

Protecting the full asset corridor

Pipeline security is not a single sensor. It is an integrated operating model that combines right-of-way awareness, remote verification, communications, event correlation and coordinated response across geographically dispersed assets.



Layered Counter-UAS architecture

CORRIDOR AWARENESS
Long-range thermal/optical surveillance, analytics and patrol support for encroachment, digging, intrusion and suspicious activity

EVENT CORRELATION
Combine security alarms with available operational events, GIS location, video and response procedures for faster assessment.

DISTRIBUTED INTRUSION
Fiber, fence, microwave or ground-sensing technologies applied according to terrain, threat and asset criticality.

RESILIENT CONNECTIVITY
Fiber, microwave, LTE/5G, satellite or hybrid communications selected for coverage, latency and availability.

REMOTE SITE PROTECTION
Solar/low-power surveillance, access control, cabinet monitoring and health reporting for valve stations, block stations and unmanned sites.

CENTRAL COMMAND
Map-based monitoring, incident workflows, evidence management, escalation and multi-site reporting.

One architecture. One accountable delivery lifecycle.

RISE connects field protection, control systems, software and command-center operations—and supports the system after handover.

Integrated security architecture

FIELD
Cameras • Thermal • Radar • Perimeter sensors • Access readers • Barriers • Intercom • Emergency devices

INTEGRATION
VMS • Access management • PSIM / security management • GIS • Identity • Incident workflows • APIs

EDGE & CONTROL
Recording • Controllers • Analytics • Alarm servers • Network • Storage • Time synchronization • UPS

COMMAND
Control room • Video wall • Operator workstations • Maps • SOPs • Reporting • Multi-site visibility

EPC and lifecycle

1. Assess & Design
2. Procure
3. Install
4. Integrate
5. Test & Commission
6. Train & Handover
7. Maintain & Upgrade



Engineering

Risk/site surveys, concept and detailed design, architecture, layouts, specifications, calculations, schedules and compliance documentation.

Execution

Approved procurement, logistics, installation, configuration, interfaces, FAT/SAT where applicable and commissioning.

Support

Preventive and corrective maintenance, health checks, spares, software/firmware management, expansions and migration planning.

Cyber-aware delivery

Segmentation, secure configuration, identity/access controls, logging, backup and hardening coordinated with the client and applicable NCA/OT requirements

AI that turns surveillance into actionable intelligence.

RISE applies responsible, human-supervised analytics to detect abnormal activity, prioritize events and improve operational response.

AI-enabled security applications



PERIMETER & INTRUSION

Detect line crossing, restricted-zone entry, loitering, fence approach and unusual movement-with video verification.



PEOPLE & SAFETY

Support people counting, occupancy, crowd formation, fall detection and selected PPE observations where appropriate.



VEHICLE INTELLIGENCE

ANPR, vehicle classification, direction, speed, dwell time, watchlists and gate-event correlation.

OBJECT & SCENE

Identify abandoned/removed objects, camera tampering, smoke/flame indicators and changes in defined scenes.

BEHAVIOUR & ANOMALY

Surface deviations from normal patterns for operator review; prioritize risk signals rather than replacing judgment.

SEARCH & INVESTIGATION

Use metadata and multi-camera search to locate people, vehicles and events faster across recorded video.







Responsible deployment



Human-in-the-loop

Analytics generate decision support; trained operators confirm events and apply approved procedures.

Performance engineered

Use case, camera view, lighting, environment and acceptance criteria are defined before deployment.

Privacy & governance

Retention, access, biometric use, audit trails and data handling follow client policy and applicable Saudi requirements.

Continuous optimization

Measure false alarms, missed events, response time and model/scene drift after commissioning.

Security decisions driven by risk.

RISE supports structured Security Risk Assessments for petroleum and petrochemical facilities using principles aligned with API Standard 780 and applicable client, HCIS and Saudi requirements.

From asset understanding to prioritized protection.

API Standard 780 provides a security risk-assessment methodology developed for petroleum and petrochemical facilities and adaptable across fixed and mobile applications. RISE uses an evidence-led assessment process to identify credible scenarios, evaluate existing protection and convert risk findings into practical mitigation priorities.

1. Define
2. Characterize
3. Identify Threats
4. Assess Vulnerability
5. Evaluate Consequence
6. Rank Risk
7. Mitigate & Verify

Typical deliverables

- SRA basis and methodology
- Asset/critical-function register
- Threat scenarios
- Vulnerability findings
- Risk register/heat map
- Safeguard gap analysis
- Prioritized mitigation plan
- Budgetary roadmap
- Residual-risk statement
- Reassessment schedule

From alarms to coordinated action.

A unified operating environment gives security teams one clear view of events, priorities, procedures and response status.



Integrated Security Operations Center

RISE designs and integrates control rooms that bring video, access, perimeter, intrusion, communications, GIS and incident workflows into a common operating picture. The objective is not simply to display more screens—it is to help operators recognize, verify and resolve events consistently.

SITUATIONAL AWARENESS
Live maps, camera views, alarm locations, asset context, weather/site data where approved and multi-site status.

EVENT ORCHESTRATION
Priority rules, correlated alarms, automated camera call-up, operator prompts, escalation and acknowledgement.

INCIDENT MANAGEMENT
Digital SOPs, task assignment, communications, timelines, evidence, approvals and closure records.

OPERATIONAL RESILIENCE
Redundancy, failover, backup, disaster-recovery architecture, health monitoring and continuity procedures.

PERFORMANCE INSIGHT
Alarm volumes, false alarms, response times, system health, recurring events and management reporting.

ERGONOMIC DESIGN
Operator positions, video walls, sightlines, acoustics, lighting, equipment rooms and maintainable infrastructure

Qualified. Integrated. Accountable.

KSA : MOI Certified

- Compliance with the latest High Commission for Industrial Security standards
- Covers all relevant areas: CCTV, Access Control, Physical Security, and Network Security
- Reviewed and endorsed by certified HCIS security consultants
- Endorsed by the Ministry of Interior
- Covers required technical and security specifications
- Valid documentation and clearance obtained





KSA : HCIS Approved



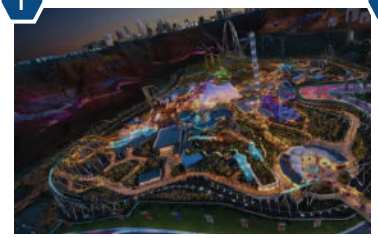




KSA : Reference Projects

Proven execution. Technology selected for the application.

1 Qiddiya Six Flags public safety solution implementation



Supply, Commissioning and Handover of Integrated subsystems incl:

- 1000 Datapoints
- 3500 Cameras
- 500 Doors
- 38 Fire Panels
- 280 IVA Channels

Integration of all subsystems for centralized control & monitoring

2 Central Command Center for Saudi Telecom Company



Supply, Installation, Commissioning and Maintenance of Siemens Security Systems incl:

- 5000 Datapoints
- 12000 Cameras
- 5000 Doors
- 500 Fire Panels
- 2500 IVA Channels

Centralized Operation Central with disaster recovery

3 Rabigh Integrated Power Plant Industrial Control Center



Implementation a comprehensive HCIS Compliant Security System incl:

- 1000 Datapoints
- 500 Cameras
- 250 Doors
- Intrusion Zones
- Communication Devices

Management & operations of Plant from Central CCC

4 Neom Green Hydrogen Integrated Control Center



Implementation a comprehensive HCIS Compliant Security System incl:

- 2500 Datapoints
- 1400 Cameras
- 750 Doors
- Intrusion Zones
- Communication Devices

Management & operations of Plant from Central CCC



PIF Tower – Digital Experience



SAB Tower – Smart Workplace



HCIS Projects – CCC



Center 3 – Data Centers



MOI HQ – Integrated Building Management System



Sabic Hospital – Integrated Building Management System



Neom Green Hydrogen Plant PSIM



RMP line 1 & line 2 CCTV & ACS

KSA : Others Industrial and HCIS Reference Projects (Completed)

NO	PROJECT NAME	END USER	HCIS CLASS	SOLUTIONS
1	Jazan refinery and terminal project	Saudi Aramco	Class 3	SACS, RFID, Physical Security
2	Royal Commission Ras Al Khair	Royal Commission	Class 3	SACS, Physical Security, CCTV Surveillance for Fence
3	Khurais Expansion & Satellite GOSP	Saudi Aramco	Class 1	SACS, VASS, Physical Security
4	Fadhili Gas Plant Project	Saudi Aramco	Class 1	SACS, VASS, PIBS Standalone ACS
5	Yanbu South Terminal- Maujiz	Saudi Aramco	Class 1	SACS, SSB Standalone ACS
6	Yanbu Export Refinery Project	YASREF	Class 1	IDAS, SACS, ALPR, Physical Security, Data communication and C2i
7	Rabigh II Independent Power Plant	Aqua Power	Class 1	IDAS, SACS, Physical Security, Data communication and C2i
8	PP-12 SACS & IDAS	Saudi Electricity Company	Class 1	IDAS, SACS, Physical Security, Data communication and C2i
9	Jizan Truck Loading	Saudi Aramco	Class 3	SACS, VASS, VASS at PIC, ALPR and Physical Security
10	Sulphate Removal Facilities Aindar	Saudi Aramco	Class 3	SACS, VASS and Physical Security

KSA : Others Industrial and HCIS Reference Projects (ongoing)

NO	PROJECT NAME	END USER	HCIS CLASS	SOLUTIONS
1	Haradh and Hawiyah GCP Project	Saudi Aramco	Class 1 & Class 3	SACS, VASS, Physical Security and CMB Standalone ACS
2	Tanajib Gas Plant, (MIP- Pkg 5)	Saudi Aramco	Class 1	IDAS, SACS, VASS at Sulphur loading and Physical Security
3	Tanajib Oil Plant, (MIP- Pkg 6)	Saudi Aramco	Class 1	IDAS, SACS, ALPR, UVIS and Physical Security
4	Ju'aymah Ethane NGL Facilities	Saudi Aramco	Class 1	IDAS, SACS, and Physical Security
5	Debottle Onshore Facilities, Safaniyah	Saudi Aramco	Class 1	SACS, VASS and Physical Security
6	Upgrade Berri Gas Junction	Saudi Aramco	Class 1	SACS, Physical Security, Intercom
7	Abu Ali Security Upgrade Project	Saudi Aramco	Class 1	SACS, CCB Standalone ACS and Physical Security
8	Spark Security Project	SPARK	Class 3	SACS, VASS and Physical Security
9	Tanajib Oil Plant, (MIP- Pkg 6)	Saudi Aramco	Class 1	PAGA, DATA COM, IP Telephony, Video Conference, Process CCTV, Integrated access control system and Emergency Siren
10	Ju'aymah Terminal Onshore Expansion Project	Saudi Aramco	Class 1	LRDAS, IDAS, SACS, LPRS, CCTV, C2i
11	Hawiyah Unayzah Gas Reservoir Storage Project	Saudi Aramco	Class 1	SACS, CCB/Admin Standalone ACS and Physical Security
12	South Berri Water Injection Plant	Saudi Aramco	Class 3	IDAS, SACS, Physical Security, C2i
13	Jafurah Integrated Security – Package #1	Saudi Aramco	Class 3	VASS, SACS, Physical Security, C2i

RISE

ROSEWIN INDUSTRIAL SECURITY SYSTEMS

A ROSEWIN DIVISION

Ready to **secure your next critical asset?**

Engage RISE for security studies, EPC delivery, system integration, upgrades and lifecycle support.



www.rosewingroup.com

Contact Us

+966 13 857 7718

info@rosewingroup.com

Office #6, Building J,
Automoto Complex, King Faisal Rd.
Rakah, Al - Khobar 34225
Kingdom of Saudi Arabia