

RAK PORTS

IAPH 2025 SUSTAINABILITY AWARDS SUBMISSION
OCTOBER 2025 | KOBE, JAPAN

ELEVATING HSEQS PERFORMANCE THROUGH INTEGRATED DIGITAL INTELLIGENCE:
A PIONEERING INITIATIVE BY RAK PORTS GROUP | RAK, UAE



HEALTH, SAFETY AND SECURITY / DIGITALIZATION / ENVIRONMENTAL CARE & COMMUNITY BUILDING

WHO ARE RAK PORTS

RAK PORTS IS A MODERN, DYNAMIC AND FLEXIBLE NETWORK OF PORTS WHICH ACT AS A MAJOR CENTRE FOR INTERNATIONAL INDUSTRY AND MANUFACTURING.

RAK PORTS OPERATIONS ARE BUILT UPON THE PILLARS OF **SAFETY, SECURITY, SUSTAINABILITY AND ENVIRONMENTAL CARE.**



RAK Ports, the largest Dry Bulk handling port in the Middle East is committed to creating a sustainable future for our employees, customers, communities and shareholders.

RAK Ports are dedicated to provide as well as support the ongoing drive towards a growing sustainable future for the organization, taking action in a proactive manner which we trust would have a positive impact on all our stakeholders to adopt the same.

As a major key role player in the United Arab Emirates economy, RAK Ports has a duty of care to ensure our local communities are well looked after in terms of provision, support and protection where required.

RAK Ports is committed to invest in an improved sustainable future for ourselves, our families as well as all our stakeholders.

RAK PORTS OVERVIEW

SAQR Port 1.0: Core Business is Bulk, Largest Bulk Port in MENA Region



- **Berths:** 15 Wet
- **Total Berth Length:** 3km
- **Draft:** 12.2 to 18m
- **Vessel Size:** ~ Cape Size
- **Bulk Markets:** Aggregates & Minerals
- **Annual TEU Capacity:** 375k
- **Annual Bulk Capacity:** 100 Million Tonnes
- **Land Area:** 1.8 million sqm
- **Harbor Cranes:** 24 Units
- **Vessel Load rate:** 3,000t per hour

RAK Maritime City: Core Business is Freezone, Break Bulk & Projects Port



- **Berths:** 32 Wet
- **Total Berth Length:** 6.1km
- **Draft:** 6.5m
- **Ownership:** 100% foreign ownership
- **Land Area:** 8million sqm (Freezone)
- **Industry:** Break Bulk, Out of Gauge, RORO, Layby, Fuels, & Manufacturing
- **Key:** Direct Freezone to Quay access

Al Jazeera Port: Core Business is Bulk, Dry-docking, & Ship Repair Facility



- **Berths:** 9 Wet & 12 Dry
- **Total Berth Length:** 1.11km
- **Draft:** 6m
- **Core Vessel Size:** Boat & Barge Market
- **Synchro Lift:** 1,100t capacity
- **Annual Bulk Capacity:** 1mmt
- **Land Area:** 150,000 sqm
- **Warehousing:** 7,500 sqm

Khor Port: Core Business is Vessel Layby, Cruises, & Warehousing



- **Berths:** 8 Wet
- **Total Berth Length:** 870m
- **Draft:** 8m
- **Vessel Size:** Up to 220metres
- **Land Area:** 324,000 sqm
- **Undeveloped:** 150,000 sqm
- **Warehousing:** 28,000 sqm
- **Units:** Bonded, Customers & Freezone

Al Jeer Port: Core Business is Agriculture, Vessel Layby, & Quay to Warehouse



- **Berths:** 4 Wet
- **Total Berth Length:** 440m
- **Draft:** 4m
- **Warehouse:** 42 Facilities
- **Land Area:** 52,100sqm
- **Industry:** Live Export, Layby, & Repairs

Location: At the Entrance to the Arabian Gulf

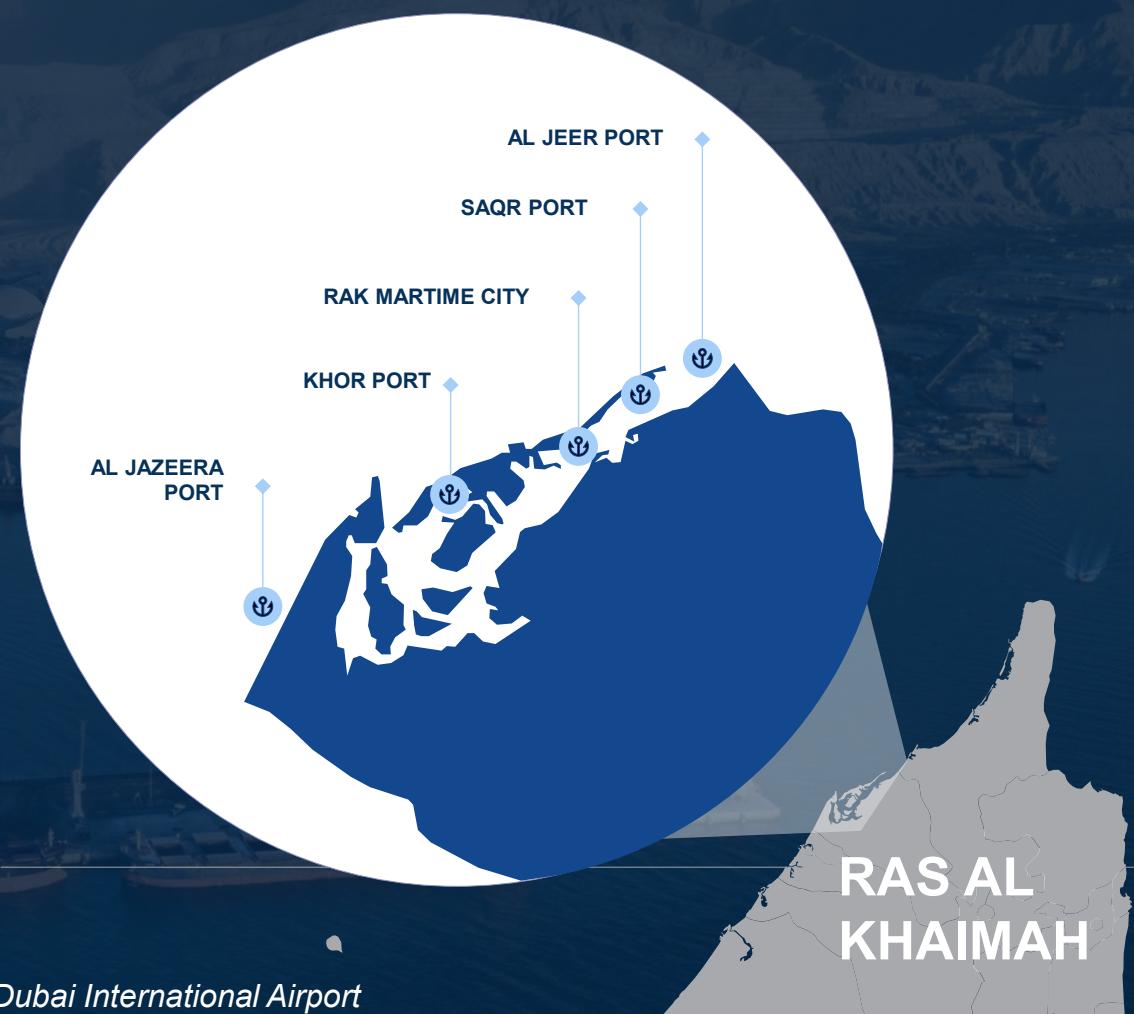


- **Scale:** 1,100+ staff
- **Connectivity:** Highways to all Emirates
- **Quality:** ISO 9001/14001/45001
- **Annually:** ~20k vessels pass by SAQR 1.0
- **Located:** Near the World's largest quarries
- **Marine:** Inhouse Towage & Pilot fleet

Greenfield Development: SAQR 2.0 Port and Industrial estate



- **Draft:** 12 to 18m
- **Multipurpose Quay:** Liquids, Agri Bulk, Project Cargo, Ship Recycling, Energy Projects, Break Bulk, & Minerals.
- **Industry Land:** 6million sqm (Freezone)
- **Industry Targets:** Refinery, Tank Farm, Fabrication, Oil & Gas, Processing, Packaging, & Warehousing



LEADERSHIP & VISION



Chief Executive Officer
Mr. Roy Cummins



HSEQ Manager
Mr. Lourens van Zyl

“At RAK Ports, our commitment to safety, sustainability, and operational excellence is unwavering. The implementation of the “INBISCO” system marks an important step in our digital transformation – empowering our people and setting a new standard for sustainable port operations.”

- Roy Cummins, CEO, RAK Ports

“Through the power of IRIS, we have transformed traditional HSEQ systems into a smart, agile, and fully digital ecosystem. IRIS delivers real-time insights, streamlines risk management, and fosters a proactive safety culture — empowering us to safeguard our people, protect the environment, and uphold sustainable operational excellence at RAK Ports”.

- Lourens van Zyl, HSEQ Manager, RAK Ports

EXECUTIVE SUMMARY

RAK Ports has embraced digital transformation as a strategic pathway to enhance **health, safety, and security** across all its operations. Implemented across Saqr Port, Al Jazeera Port, RAK Khor Port, Al Jeer Port and RAK Maritime City Free Zone Authority, the **INBISCO** software suite represents a cutting-edge solution to safety-focused port management.

The INBISCO project began in the first quarter of the year 2022 with the onboarding of the software developer 'INBISCO' together with the process consultant 'RASCI'. The project was successfully completed involving all relevant stakeholders and effectively launched in January 2023.

INBISCO integrates three key modules PM (Process Manager), IRIS (Item Registration and Information System) and RAS (Risk Assessment System) providing a digital transformation of the RAK Ports Integrated Management System – minimizing risk, strengthening compliance, and building a resilient safety culture.

The software enables streamlined communication, enhanced safety reporting, risk management, digital auditing, legal compliance and environmental care, thus revolutionizing port management and operations at RAK Ports.

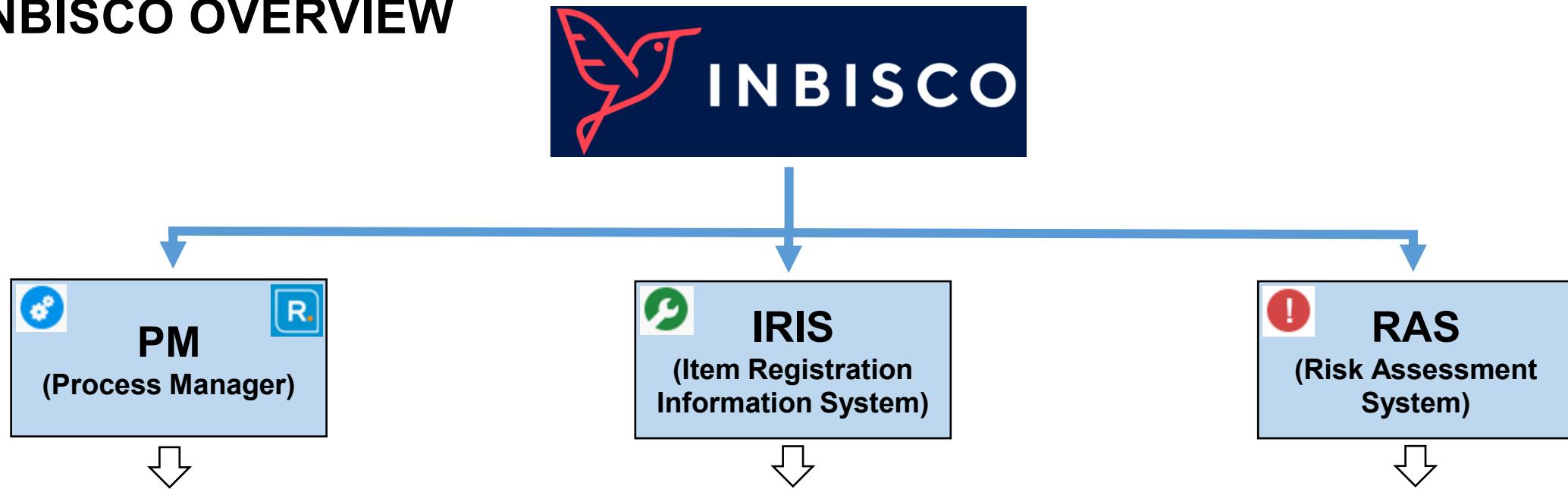
The following slides showcases the innovative application of INBISCO in enhancing port operations, aligning with UN Sustainable Development Goals and IAPH's sustainability themes, reinforcing RAK Ports a global leader in safe, secure and sustainable port management.

INBISCO OVERVIEW

INBISCO is a comprehensive software solution with three main modules:

- **PM:** Digitalizes and simplifies all company processes in RASCI framework. An example would be consolidation of a 50-page procedure into a 1–2-page flowchart.
- **IRIS:** An electronic reporting system for incidents, audits, managing change requests, scanning QR codes for accessing employee records and more.
- **RAS:** A digital system for managing risk assessments at both strategic and operational levels encompassing all risk assessments at RAK Ports.

INBISCO OVERVIEW



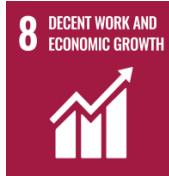
- 1. View the RAK Ports Business model.
- 2. View all RAK Ports processes.
- 3. **RASCI**: View employee duties & responsibilities.
- 4. Built-in Document Management System.
- 5. Draft and approve processes.
- 6. Use Reports for data search on processes.

- 1. Create and monitor **items**.
- 2. Open and fill in forms.
- 3. Conduct audits, inspections & TBTs.
- 4. Report accidents/ incidents/ near misses.
- 5. Communicate with your colleagues.
- 6. Access all relevant information regarding training, compliance, suppliers etc.

- 1. Conduct digital **risk** analyses for projects, processes and tasks at RAK Ports.
- 2. Standardize and centralize risk assessments at both corporate and operational level at RAK Ports.
- 3. Gain insights into risk treatment plans.
- 4. Implement targeted control measures.
- 5. Fully customizable fields.

ALIGNMENT WITH UN SDGs

INBISCO supports the following United Nations Sustainable Development Goals:



Goal 3 (Good Health and Wellbeing): Improved health and safety incident reporting, investigation and follow ups with real time dashboards in **IRIS**.

Goal 8 (Decent Work and Economic Growth): Promotes safe and inclusive working conditions through risk-based task/ project planning in **RAS**, digital training verification and proactive safety communication in **IRIS**.

Goal 9 (Industry, Innovation and Infrastructure): Digitalization of the processes using **RASCI**, Health & Safety in **IRIS** and Risk management in **RAS**.

Goal 12 (Responsible Consumption and Production): Digitalized Integrated management system is completely paperless including safety inspections, incident reporting, digital checklists and audit/ inspection reports minimizing carbon footprint.

Goal 13 (Climate Action): Efficient resource management through environmental risk assessments using **RAS** supporting ISO 14001 environmental standard.

ALIGNMENT WITH IAPH

The INBISCO project aligns with several IAPH key themes:

- **Health, Safety & Security:** This is achieved through the user-friendly **IRIS** system for incident reporting and QR code scanning for employee training and records keeping.
- **Digitalization:** This is achieved by digitalizing all operational processes like cargo handling, marine operations, security, procurement, stores, HR etc. in **RASCI** formats.
- **Environmental care:** This is achieved by eliminating paper usage with digital auditing, follow up of findings etc. in **IRIS**.
- **Community Building:** This is achieved by enhancing communication and collaboration with stakeholders when developing new processes or addressing changes to existing processes fostering ownership and safer collaborative operations.

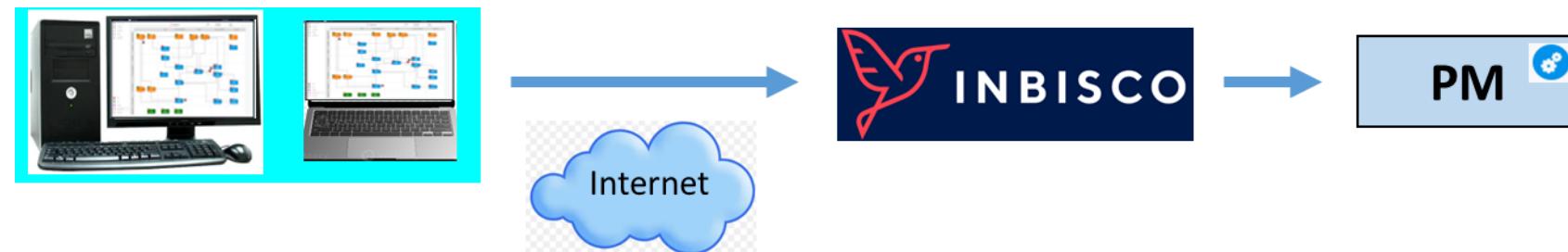
DIGITALIZATION-PM

The PM module integrates all the RAK Ports **health, safety, security, environmental and quality** processes in a digital RASCI format. It enables easy tracking of roles and responsibilities and ensures efficient process management.

Key benefits:

- Provides a comprehensive view of all processes in the form of Business model.
- Consolidates 50-page lengthy procedures on to a 1–2-page flowchart.
- Easy to follow workflows reduces human error and miscommunication.
- Simplifies processes and enhances accountability.

PM can only be accessed in a web-based environment.



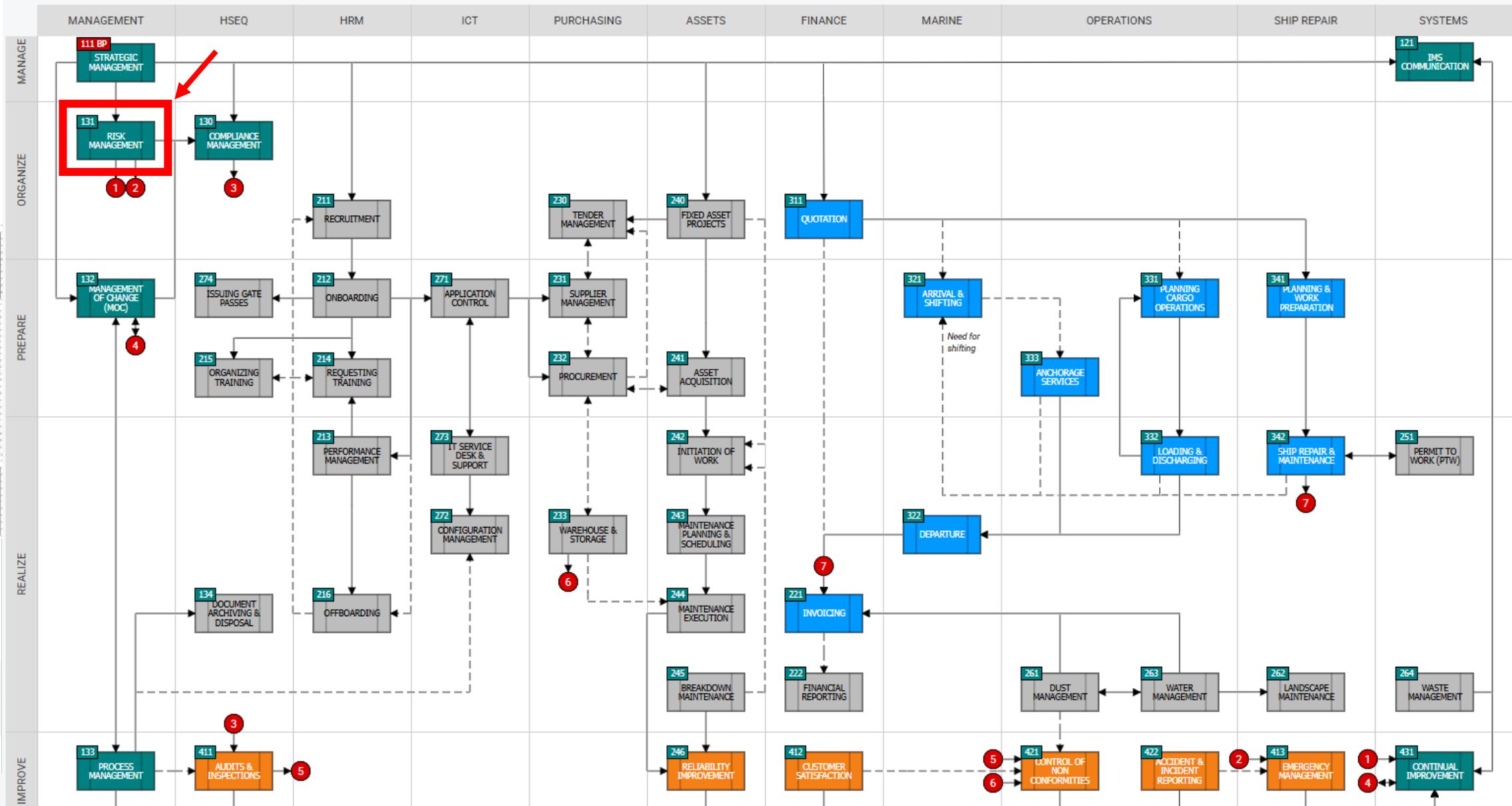
REFER VIDEO NO.1: DIGITALIZATION - RASCI PROCESSES IN PM (1 min 15 sec)

RAK
PORTS



RASCI Method

RAK PORTS BUSINESS MODEL IN INBISCO PM



RAK PORTS ENTERPRISE RISK MANAGEMENT POLICY

1. INTRODUCTION

- 1.1 The RAK Ports strives to ensure that all its strategic and administrative decisions are made in a manner consistent with the RAK Ports objectives and appetite for risk. The RAK Ports should minimise financial loss and the potential adverse effects on the RAK Ports image and reputation in the event of its occurrence.
- 1.2 This Policy sets out the RAK Ports policy in respect of Enterprise Risk Management ("ERM") and the key procedures for implementing ERM, which include organisational arrangements for the design, implementation, monitoring, review, and continual improvement of ERM activities across the RAK Ports.
- 1.3 The objective of this policy is to:
 - 1.3.1 ensure RAK Ports, in its endeavours to achieve its objectives, does not undertake unnecessary or unacceptable risks that could jeopardise achieving its objectives;
 - 1.3.2 encourage employees to properly identify, mitigate, monitor, and manage risk; and
 - 1.3.3 ensure that the RAK Ports is in line with best practices and the principles and guidelines of ISO 31000:2018.
- 1.4 Capitalised terms used, but not defined, in this Policy shall have the meaning given to them in the RAK Ports master glossary for policies, as updated from time to time.

2. SCOPE OF THIS POLICY

- 2.1 This Policy applies to all RAK Ports Entities and all RAK Ports employees.
- 2.2 All RAK Ports employees are required to comply with this Policy. Compliance with this Policy includes reading the Policy, completing any compulsory risk management training, and complying with the policies, procedures, and reporting requirements set out in this Policy.

3. WHAT IS ENTERPRISE RISK MANAGEMENT?

3.1 Introduction

- 3.1.1 ERM is a methodology that looks at risk management strategically from the perspective of the entire firm or organisation. It is a top-down strategy that aims to identify, assess, and prepare for potential losses, dangers and hazards that may interfere with an organisation's operations and objectives and/or lead to losses.
- 3.1.2 The ERM at the RAK Ports has been developed using the ISO 31000:2018 framework.
- 3.1.3 This ERM Policy describes the importance of ERM and embedding it throughout the RAK Ports.

3.2 Objectives of ERM

The objectives of ERM are:

- 3.2.1 Embedding a risk aware culture and aligning risk management with management tasks.

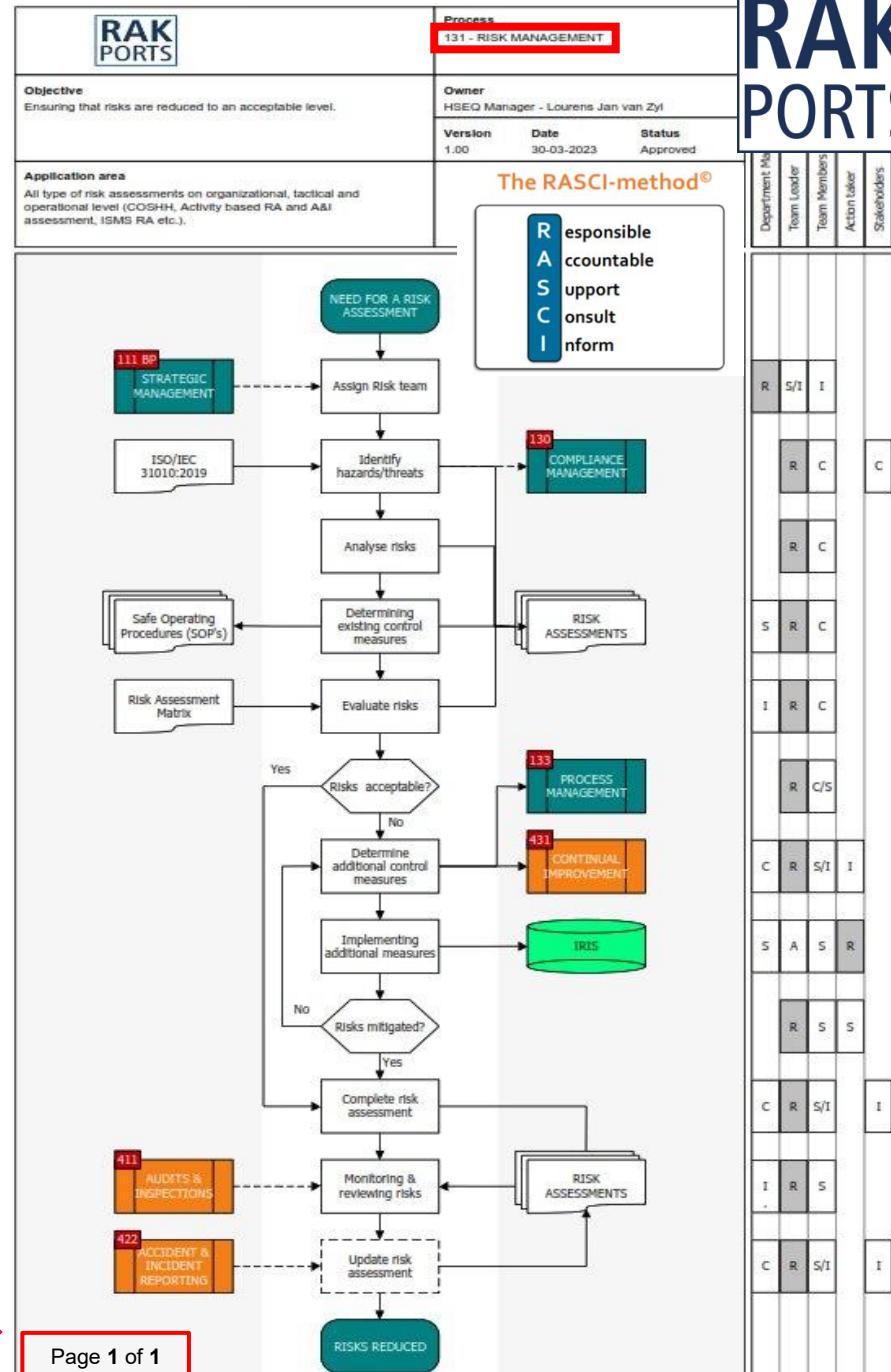
INBISCO PM – TRANSITION TO RASCI PROCESSES

Previously the Integrated Management System (IMS) at RAK Ports were documented as narrative procedures (see left for example of ERM process with 20+ pages).

With the implementation of INBISCO, the IMS processes are now documented as **flowcharts**, simple and short in the form of **RASCI** method (see right for example of ERM process in RASCI in 1 page).

BEFORE

AFTER



DIGITALIZATION – IRIS SYSTEM

IRIS is a digital reporting system that handles **incidents, audits, inspections, change requests, legal compliance**, and more. It centralizes data and provides real-time dashboards enabling visibility into management and operations.

Key benefits:

- Real-time dashboards and statistical analysis for incident reporting.
- Improved accuracy and communication in safety reports.
- Legal compliance mapping for each department supporting compliance evaluations.

IRIS is available on mobile platforms enabling **reporting from field to boardroom**.

IRIS app can be downloaded from ‘Google Playstore’ or the ‘App store’ using the name “INBISCO IRIS”.



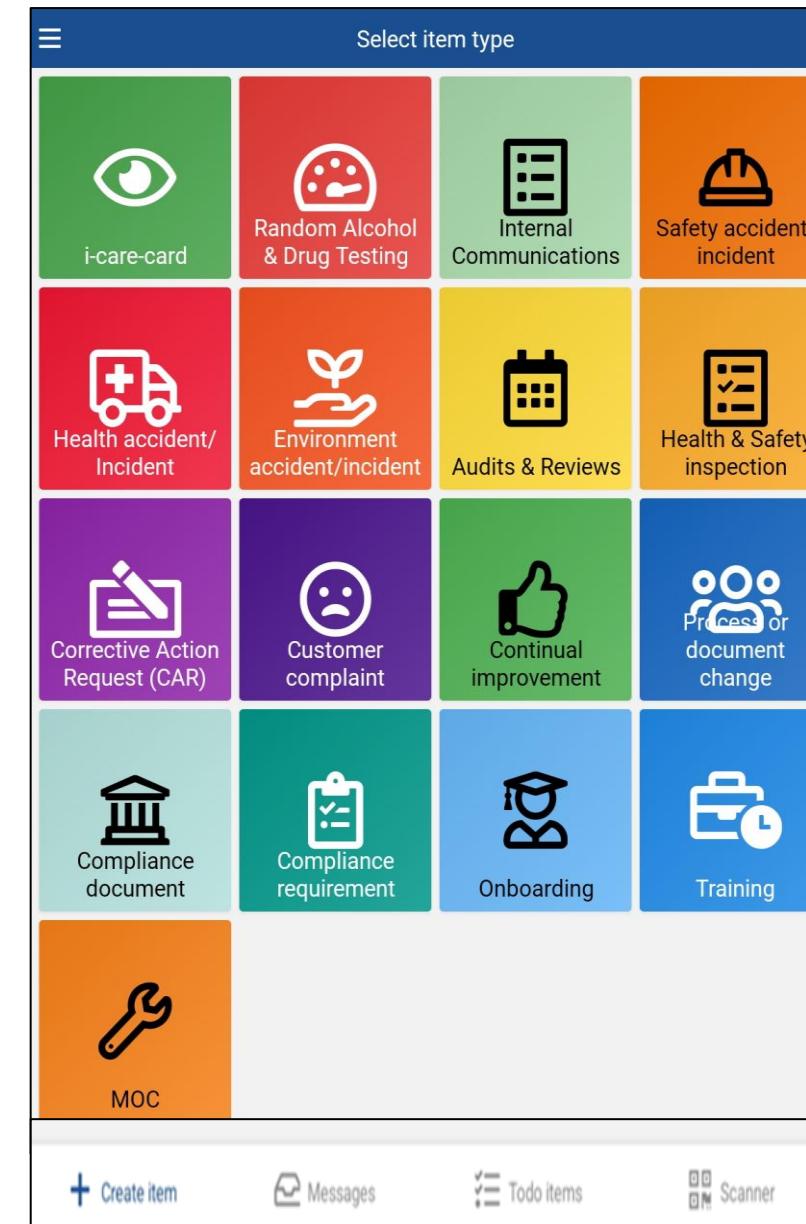
IRIS – INTERFACE ANYTIME, ANYWHERE

On mobile platform, IRIS provides access to;

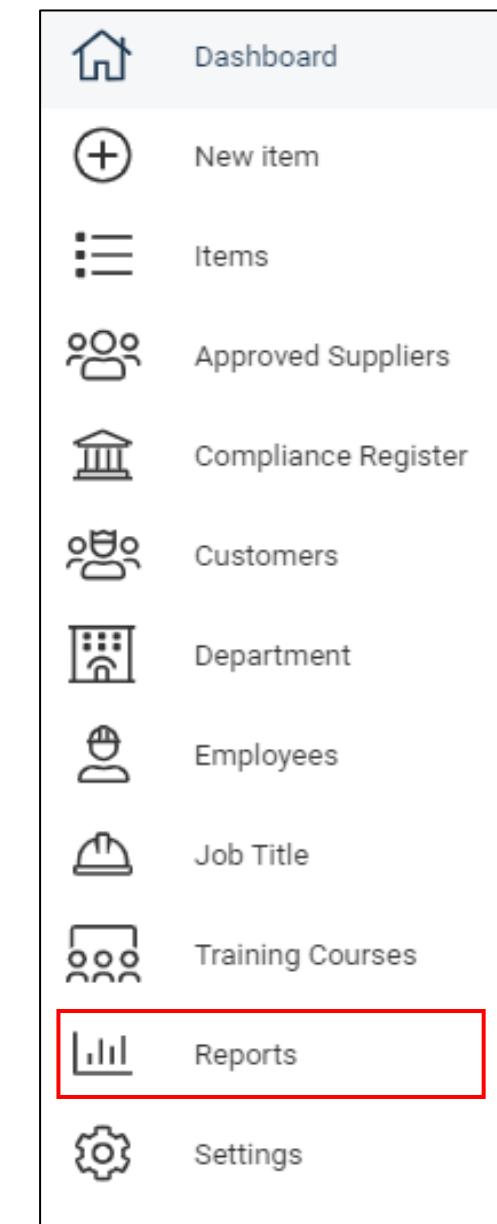
- Incident reporting,
- Audits,
- Inspections,
- Trainings,
- Communications,
- Change requests,
- Corrective actions,
- Legal registration, and more.

On PC's, IRIS provides additional access to;

- Dashboard,
- Departments,
- Customers KYC,
- Approved Suppliers,
- Training courses,
- Employee register,
- Legal compliance register,
- Real-time reports, and more.



Mobile App version of IRIS



PC version of IRIS

IRIS - REAL-TIME SAFETY DASHBOARDS FOR INCIDENT REPORTING

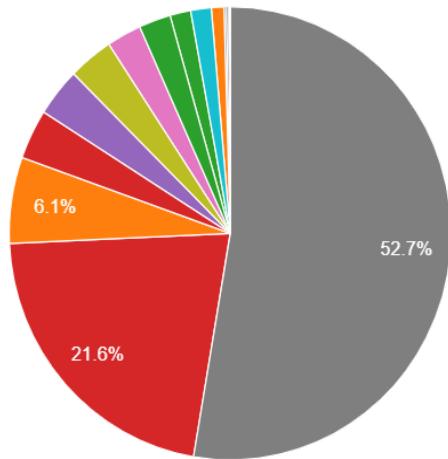
- Dashboard
- New item
- Items
- Approved Suppliers
- Compliance Register
- Customers
- Department
- Employees
- Job Title
- Training Courses
- Reports**
- Settings

● IRIS

! RAS

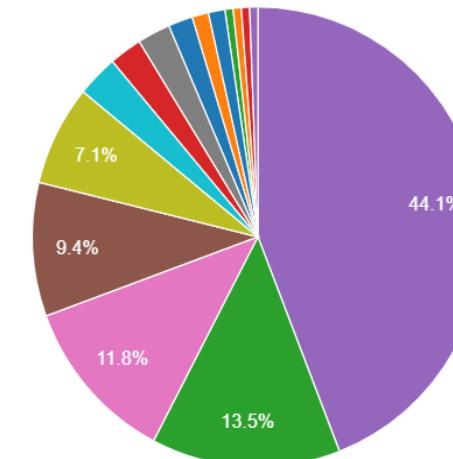
● PM

Items per Item Types



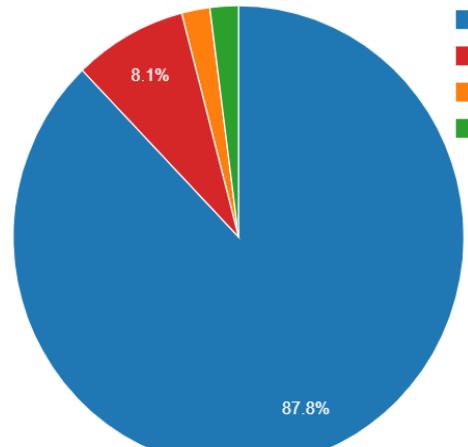
- Training [2108]
- Internal Communications [8...]
- Safety accident/incident [246] **(highlighted)**
- Compliance requirement [1...]
- MOC [139]
- Audits & Reviews [131]
- Health & Safety inspection [...]
- Continual improvement [93]
- Corrective Action Request (...)
- Process or document chan...
- Compliance document [37]
- Health accident/Incident [7]
- MOC X [7]
- Customer complaint [2]
- Environment accident/incid...
- Onboarding [1]

Safety accident/incident Item type categories [246]



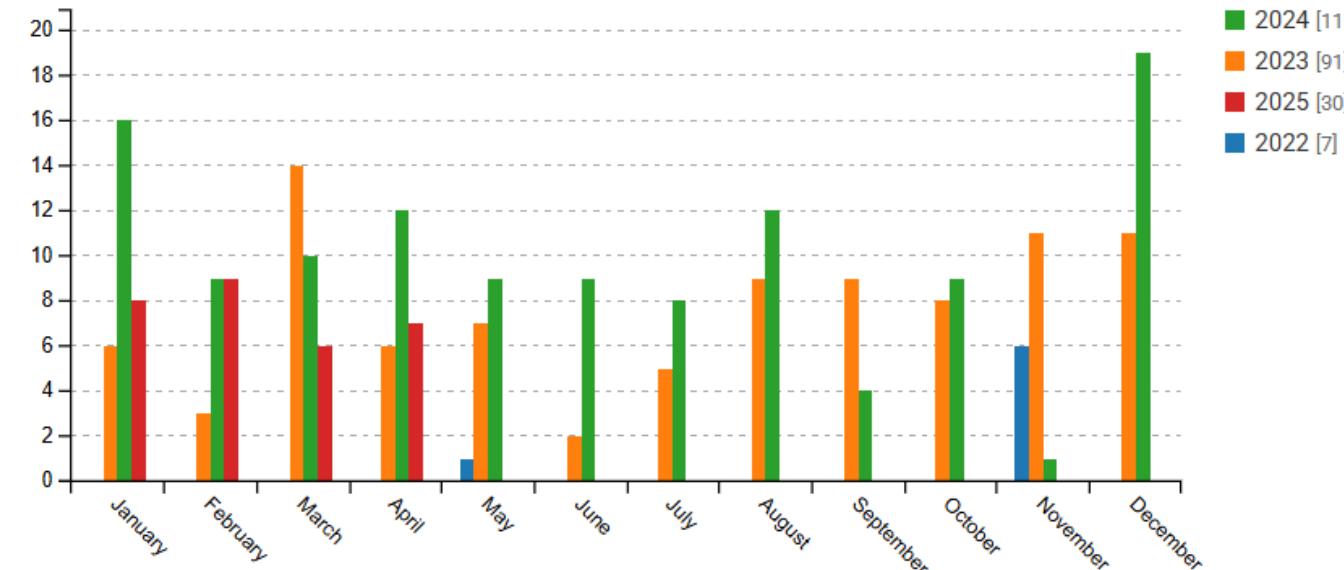
- Level 1 - Negligible damage to property
- Near Miss [23]
- Level 2 - Minor damage to property
- Level 2 - Medical Treatment
- Level 3 - Moderate damage to property
- Level 4 - Major Incident.. [5]
- Level 1 - First Aid [4]
- Level 3 - LTI (Lost Time Injury)
- Damage to Property/ Vehicle...
- Fire/ Explosion [2]
- Level 4 - Major Injury [2]
- Injury - Level 1 [1]
- Level 5 - Fatality [1]
- Near miss [1]
- Unsafe Act - Level 1 [1]

Safety accidents/incidents per Port



- Saqr Port [216]
- Al Jazeera Port [20]
- Khor/RAK Port [5]
- RAK PORTS [5]

Safety accident/incident items per Month [2022 - 2025]



IRIS – COMPLIANCE REGISTER WITH MAPPING & EVALUATION

Views: H&S legislation register



Active filters: Item type = Compliance requirement and Item type specification = Health and safety legislation

Search

From

To

25 50 100



Item number	Applicable activity/s	Hazard/s	Description of applicable legal and other requirement/s	Business unit	Status
202302540	Infrastructure/equipment maintenance, MHC/Crane ...	Fall from height.	Risk assessment, Supervisor, Competent and certified personnel, use of inspected ...	Saqr Port	100 - Compliant
202302502	MHC Operation, Fuelling plant/equipment & ...	Exposure to fire and explosions, Danger from ...	Risk assessment & controls, training/tool box talks, suitable PPE, safety ...	Saqr Port	100 - Compliant
202302361	Fabrication/maintenance work, ...	Fall from height, Contact with sharp objects, ...	Proper PPE & clothing, Risk Assessments, Toolbox talks, Work Permits, Safety ...	Saqr Port	100 - Compliant
202302329	Vessel berthing, Loading/discharging operations	Risk of drowning, Adverse weather/tides, ...	Two-way VHF radiotelephone apparatus, Radar transponders, On-board communicatio...	Al Jazeera Port	100 - Compliant
202302548	Maintenance & repair of plant and equipment.	Exposure to high noise levels, Fall from height, ...	Risk assessment & controls, appropriate PPE & clothes, PPE training.	Saqr Port	100 - Compliant
202302385	Access & Egress to Port	Vehicle & pedestrian access	Customs Clearance for bunkering vehicle at Port security gate	Saqr Port	100 - Compliant
202302567	Handing/storage of hazardous substances/gas ...	Exposure to flammable, corrosive, hazardous or...	Risk assessment, appropriate storage facility, COSHH assessment /SDS, emergency ...	Al Jazeera Port	100 - Compliant
202302509	Maintenance & repair of plant & equipment and Use ...	Incorrect installation of equipment and ...	Risk assessment & controls, trained and competent installers, inspectors and ...	Saqr Port	100 - Compliant
202302308	All Activities	Fatigue/shift work/ night working/lone working	Medical surveillance by physical & medical exam, drug & alcohol policy, rest, risk ...	Al Jazeera Port	100 - Compliant
202302506	Maintenance & repair of plant & equipment and Use ...	Incorrect installation of equipment and ...	Risk assessment & controls, trained and competent installers, inspectors and ...	Saqr Port	100 - Compliant
202302306	All Activities	Fatigue/shift work/ night working/lone working	Medical surveillance by physical & medical exam, drug & alcohol policy, rest, risk ...	Saqr Port	100 - Compliant
202302386	Access & Egress to Port	Vehicle & pedestrian access	Customs Clearance for bunkering vehicle at Port security gate	Al Jazeera Port	100 - Compliant
202302523	Maintenance & repair of plant and equipment.	Hand Arm Vibration Syndrome (HAVS).	Risk assessment & controls, Training to personnel exposed to vibration, training to ...	Saqr Port	100 - Compliant
202302314	Access & Egress to Port	Vehicle & pedestrian access	Port facility security assessment, Port facility security plan, Port facility security officer,...	Khor/RAK Port	100 - Compliant
202302375	Maintenance and repair of plant & equipment, Securit...	Exposure to extreme temperature	Provision of first aid kits, nurse holding a nursing certificate recognised by the Ministry ...	Khor/RAK Port	100 - Compliant
202302390	Vessel berthing	Collision/grounding	Ship Safety Checklist.	Saqr Port	100 - Compliant

DIGITALIZATION - RAS

The RAS system digitizes risk assessments and provides a structured framework for managing risks at all levels within RAK Ports including **safety, security, environmental, operational and corporate** risks. It allows for quick risk identification and ensures all assessments are stored and managed efficiently.

Key benefits:

- Streamlined risk management process.
- Customized access to all risk assessment data.
- Ensures compliance to ISO 31000 standard.

REFER VIDEO NO.2: VIDEO: DIGITALIZATION - RISK MANAGEMENT IN RAS (1 min)



Risk treatment plan measures

HEALTH, SAFETY AND SECURITY – QR CODE INTEGRATION

QR code integration into INBISCO IRIS was a pioneering initiative by RAK Ports supported by the developers of the INBISCO system.

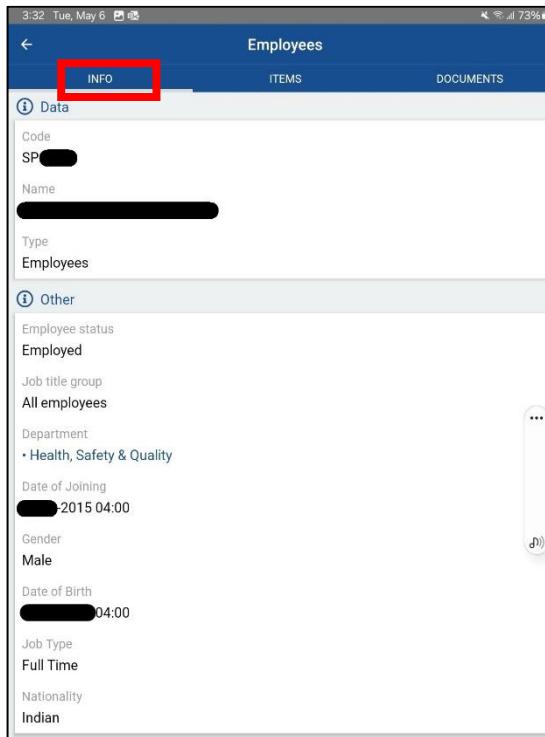
Key features:

- Improves health and safety by scanning QR code on employee IDs to verify training, certifications and competencies.
- Registers employees for tool-box talks, risk assessments, meetings etc.
- Instant verification of employee competencies i.e. working at heights, confined spaces, inductions, etc.

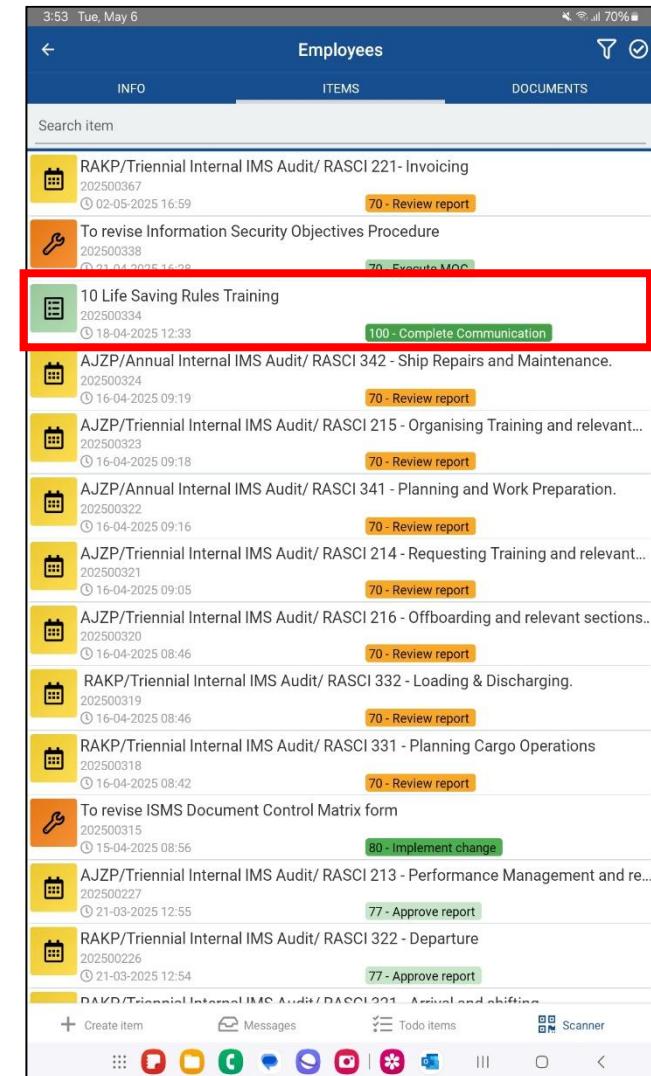
RETRIEVE EMPLOYEE SAFETY TRAINING RECORD IN IRIS IN UNDER 10 SECONDS!

E.g. Scanning the QR code of an employee ID below in IRIS mobile App instantly shows the completed training on the 10 Life Saving Rules.

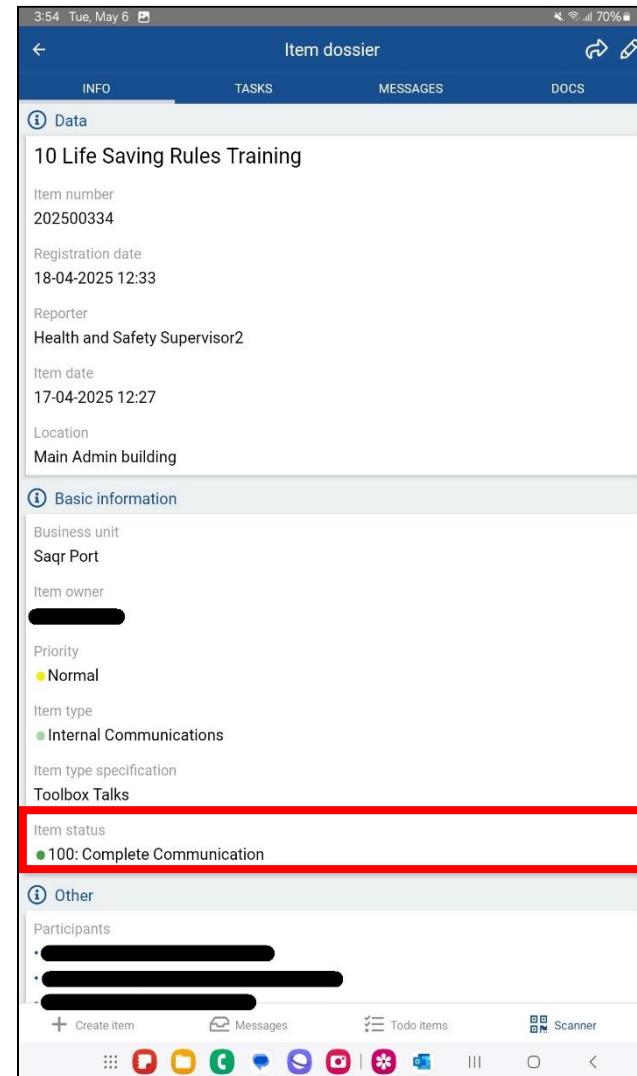
IRIS scanning QR code on Emp ID



IRIS displays all related items



IRIS shows training status of emp



HEALTH, SAFETY AND SECURITY – IRIS INCIDENT REPORTING

The IRIS system provides a user-friendly platform for logging all health, safety and security incidents. It allows for immediate data entry, instant updates, and provides real-time dashboards.

Key benefits:

- Instant incident logging and reporting.
- Incident investigations and tracking corrective actions.
- Automated generation of real-time safety reports.

IRIS is transforming safety culture at RAK Ports, making incident reporting **faster, more transparent, and fully auditable**.

REFER VIDEO NO.3: VIDEO: HEALTH, SAFETY & SECURITY – INCIDENT REPORTING IN IRIS
(1 min 39 sec)



Reporting incidents is very important for the safety and quality of the organisation.

ENVIRONMENTAL CARE – DIGITAL AUDITING

Digital auditing with INBISCO system **eliminates paper** and contributes to sustainability efforts.

Key benefits:

- 100% paperless auditing process.
- Real time tracking of audit findings, improving accuracy and efficiency.
- Digital retention and retrieval of audit records saves time and money spent on archiving physical records.

REFER VIDEO NO.4: VIDEO: ENVIRONMENTAL CARE – DIGITAL AUDITING IN IRIS (1 min 30 sec)

RAK
PORTS



Audit: Planning & Execution

ENVIRONMENTAL CARE – RAS

The RAS system contributes to environmental care by enabling structured risk assessments fostering efficient environmental management thus laying the cornerstone for successful ISO 14001 implementation.

Key benefits:

- Better identification of environmental risks.
- Centralized digital risk assessment storage for all ports within RAK.
- Supports the global risk assessment framework ISO 31000

ENVIRONMENTAL CARE – RISK ASSESSMENT BEFORE AND AFTER RAS

BEFORE RAS

RAK PORTS

ENVIRONMENTAL ASPECT/ IMPACT ASSESSMENT (EXCELSHEET)

BEFORE RAS

OCCUPATIONAL HEALTH & SAFETY RISK ASSESSMENT

(EXCELSHEET)

OCCUPATIONAL HEALTH & SAFETY RISK ASSESSMENT											
(EXCELSHEET)											
PORT NAME		SP		AJZF		RAKP					
Dept/Section	Technical / Fabrication		Al Jasraa Port		Al Jasraa Port						
Location	Al Jasraa Port		Al Jasraa Port		Al Jasraa Port						
Review by	Name: Lourens Jan Van Zyl		Name: Lourens Jan Van Zyl		Name: Lourens Jan Van Zyl						
Approved by (Department Manager)	Name: Rathanil K		Name: Rathanil K		Name: Rathanil K						
Sign:											
ALARP Risk Evaluation											
Risk = <u>105</u> : Hazards = <u>35</u> = Risk Rating = <u>3</u>											
Document Control											
Risk Assessment prepared by: Krishnadas Valayil											
Risk Assessment custodian: Rathanil K											
Signature: 											
Signature: 											
Date: 11.02.2024											
Date: 11.02.2025											
Team Leader Krishnadas Valayil											
Team Members Dhanush Sutaran											
Shrinu Devika											
Baby Rose											
Umeshni											
R.A.R. No. 1											
Approved Date: 15.02.2025											
Pages: 1											
Last Review Date: 10/02/2026											
Last Audit Requirements:											
Task	Activity/Job Step	Identified hazard	Risk or Impact Effect	Existing Control		Initial Risk Evaluation		Proposed Risk Controls		Reduced Risk Evaluation (Remaining Risk after control measures)	
				Severity	Likelihood	Risk Rating		Action	Responsible	Date	Status
				Cost Corresponding Severity Rating Table	Cost Corresponding Likelihood Rating Table	Cost Risk Assessment Matrix		* Use hierarchy of controls * Use hierarchy of controls		Cost Corresponding Severity Rating Table	Cost Risk Assessment Matrix
Entanglement & Disembarkation from vessel	x Damaged access gangways; x United access gangway; x Access obstructed by materials, valves or slippery surfaces.	Affected: Technical staff, sub-contractors, visitors, ship crew involved. Threats: Risk of fall from Height, Risk of Drowning, Risk of physical injury (Fractures, Sprains, Strains, LTL, MTL, FAL)	What might be harmed and how? (Identify adverse effects)	List what is already doing to reduce the harm.	3	1	3.03	N/A	N/A	N/A	N/A
Partitions approaching job site	> Trailing cables & Hoses; > Wet or slippery surfaces; > Poor Housekeeping;	Affected: Technical staff, sub-contractors, visitors, ship crew (if applicable); Threats: Risk of fall, trip, trip & falls, Risk of physical injury (Fractures, Sprains, Strains, LTL, MTL, FAL)	What might be harmed and how? (Identify adverse effects)	List what is already doing to reduce the harm.	3	1	3.03	N/A	N/A	N/A	N/A

AFTER RAS

CENTRALIZED RISK ASSESSMENT INCLUDING HSEQ, ISMS & CORPORATE RISKS USING RAS (DIGITAL)

COMMUNITY BUILDING – STAKEHOLDER ENGAGEMENT

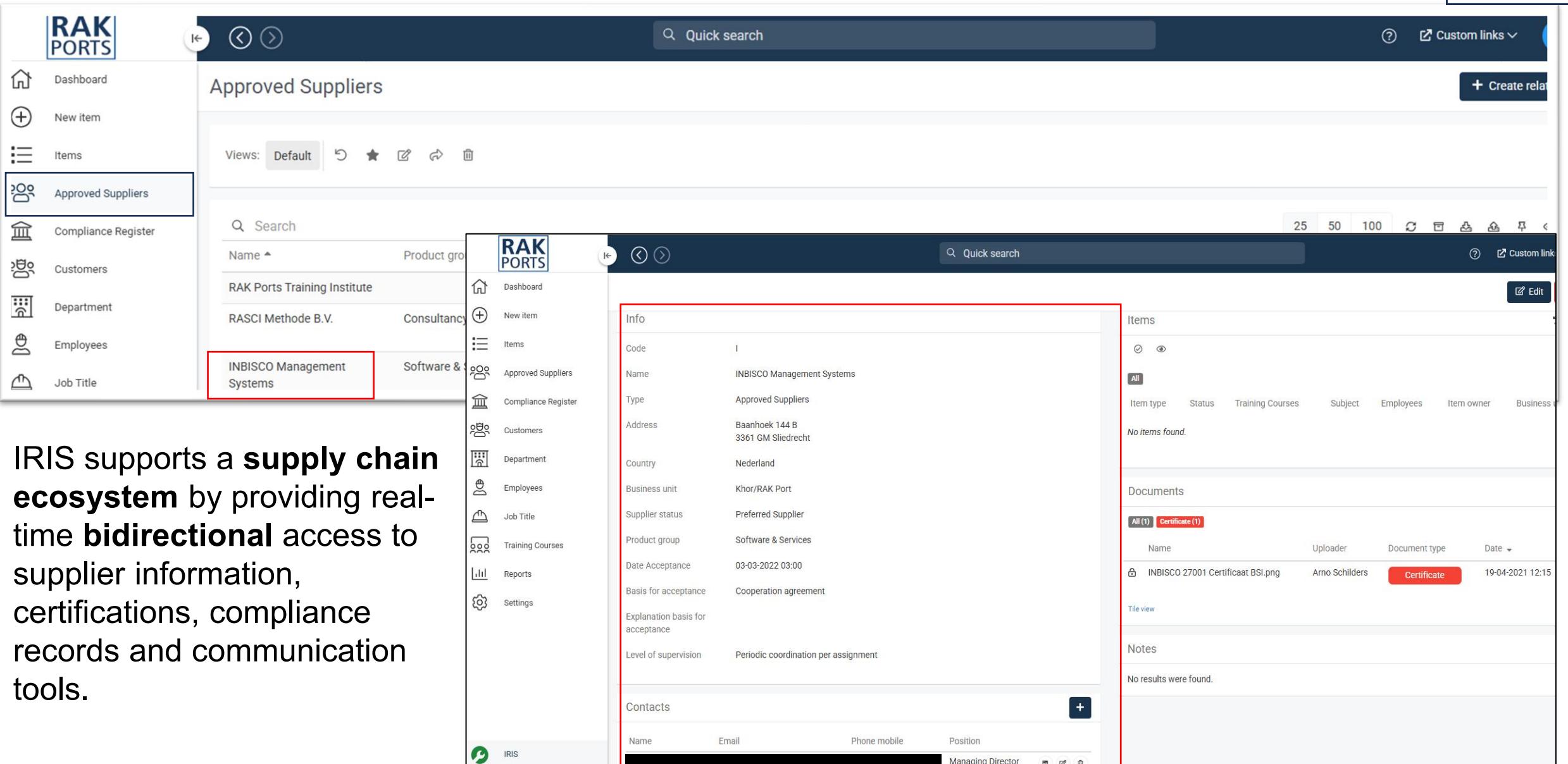
INBISCO system at RAK Ports fosters community building by improving **communication, transparency and collaboration** between RAK Ports and stakeholders.

Key benefits:

- Enhanced stakeholder engagement through real-time data and statistical reports.
- Efficient handling of change management involving all relevant stakeholders.
- Customer and supplier interface with KYC details.



COMMUNITY BUILDING – RAK PORTS SUPPLY CHAIN COMMUNITY IN IRIS



Approved Suppliers

Views: Default

Search

Name	Product group	Type
RAK Ports Training Institute		
RASCI Methode B.V.	Consultancy	
INBISCO Management Systems	Software & Services	Approved Suppliers

INBISCO Management Systems

Info

Code	
Name	INBISCO Management Systems
Type	Approved Suppliers
Address	Baanhoek 144 B 3361 GM Sliedrecht
Country	Nederland
Business unit	Khor/RAK Port
Supplier status	Preferred Supplier
Product group	Software & Services
Date Acceptance	03-03-2022 03:00
Basis for acceptance	Cooperation agreement
Explanation basis for acceptance	
Level of supervision	Periodic coordination per assignment

Contacts

Name	Email	Phone mobile	Position
Managing Director			

Items

Documents

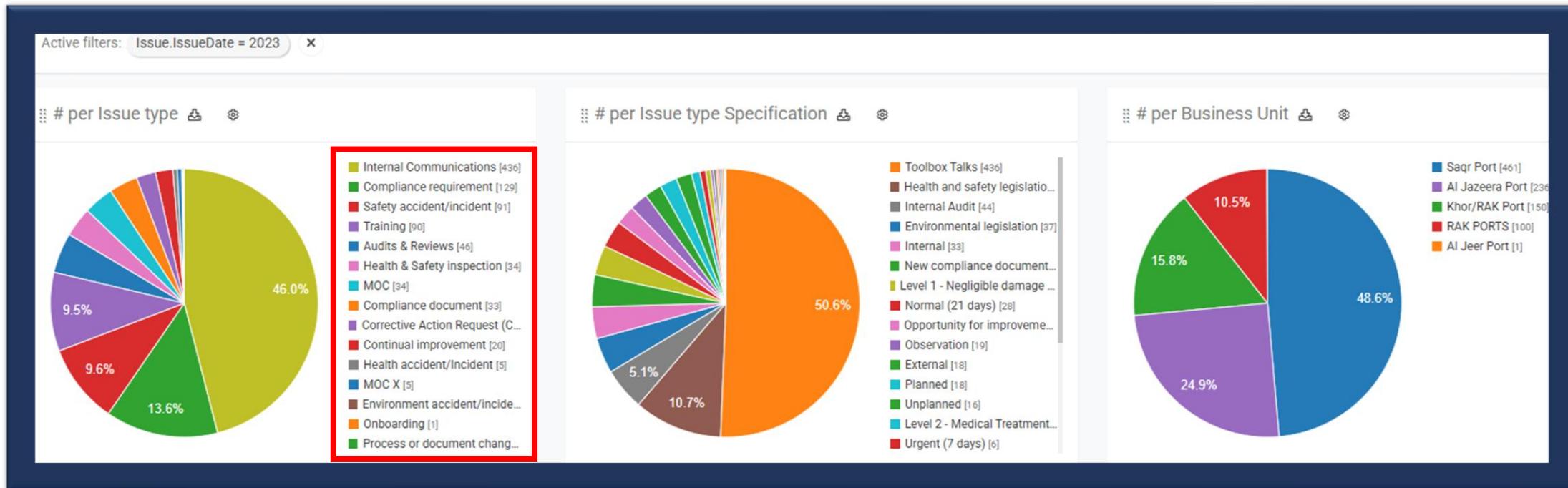
Notes

IRIS supports a **supply chain ecosystem** by providing real-time **bidirectional** access to supplier information, certifications, compliance records and communication tools.

MEASURABLE IMPACTS

INBISCO has had **strong** measurable impacts on RAK Port's operations.

System adoption:



With the introduction of the INBISCO digital management systems in January 2023 at RAK Ports, a total of 948 Items were newly registered in IRIS during the same year indicating a **high overall adoption of 80%** of the digital systems by all RAK ports. As indicated in the chart, the items include internal communications, safety incidents and inspections, internal and external audits, training, change requests & legal compliance registered by various departments within RAK Ports.

MEASURABLE IMPACTS CONTINUED..

Operational efficiency:

- 75% reduction in time taken to access procedures using digital RASCI flowcharts.

Health & Safety:

- 60% improvement in near miss and incident reporting timelines.
- 100% digitalization of audits and inspections, eliminating over **10,000 sheets of paper annually**.

Risk Management:

- 100% of operational and corporate risk assessments centralized within RAS and accessible.
- 95% compliance rate in risk review deadlines due to automated reminders.

Training and competency:

- Over 90% of workforce can be verified digitally for required competencies using QR scanning.
- 100% training and induction records available instantly during inspections or emergencies.

Environmental:

- Estimated reduction of **500+ kg** of paper waste annually.



LEADERSHIP & VISION

RAK Ports senior leadership and vision have driven the success of the INBISCO project. The Port's management has consistently prioritized sustainability and digital transformation by supporting the phased implementation of the INBISCO system.

Key achievements:

- Continued support from senior leadership.
- Commitment to safety, security, environment, quality, and sustainability.

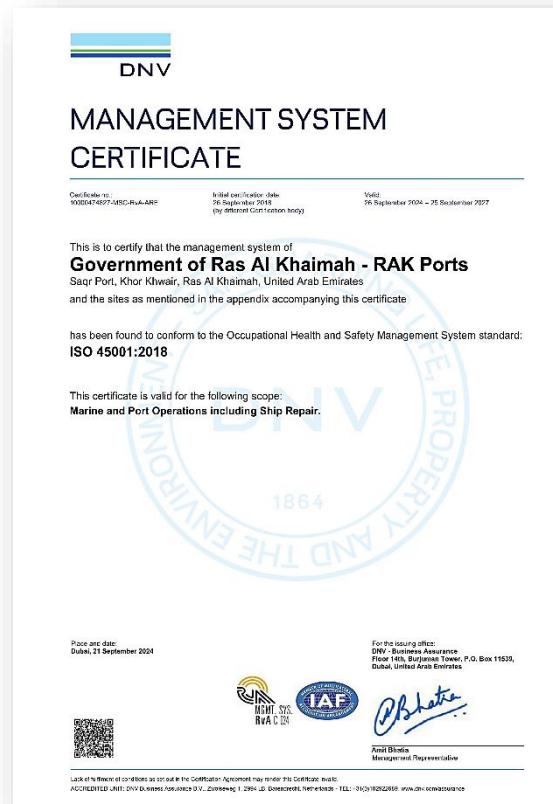
The leadership's strategic vision is reflected in the achievement and maintenance of **ISO certifications**, underpinning RAK Ports unwavering commitment to excellence and regulatory compliance.



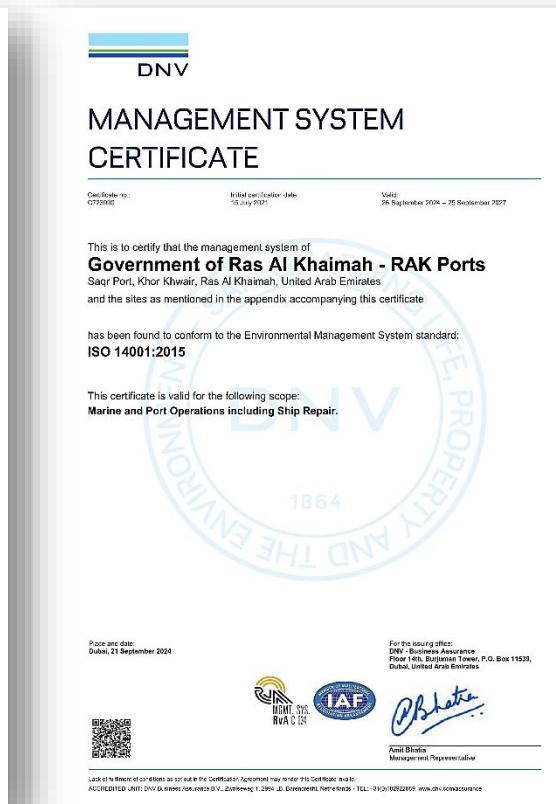
ISO CERTIFICATIONS VALIDATING EXCELLENCE

RAK Ports' successful implementation of INBISCO is further validated through strict adherence to internationally recognized ISO standards including **ISO 45001, 14001, 9001 and 27001** confirming our compliance with health, safety, environment, quality and information security.

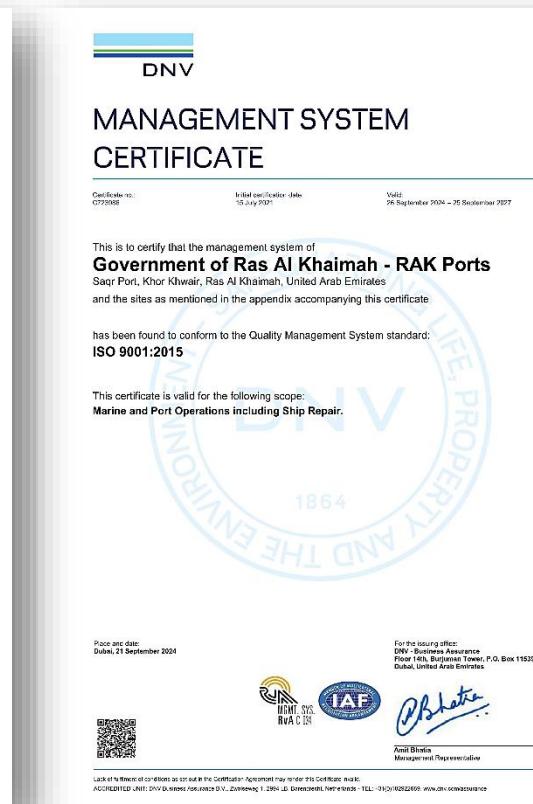
ISO 45001:2018 OCCUPATIONAL HEALTH & SAFETY



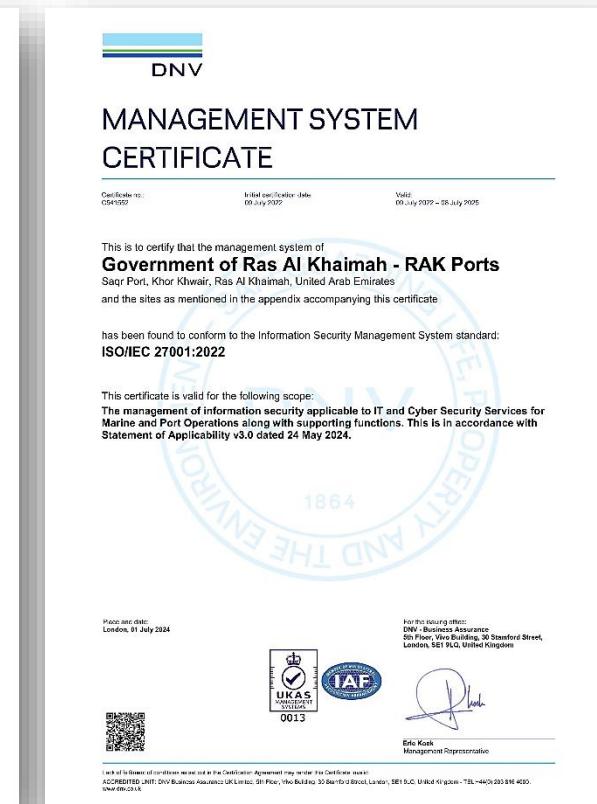
ISO 14001:2015 ENVIRONMENTAL MANAGEMENT



ISO 9001:2015 QUALITY MANAGEMENT



ISO 27001:2022 INFORMATION SECURITY



EXTERNAL AUDIT BY ISO - AUDIT REPORT FINDINGS

External Audit Report validates on successful implementation of INBISCO.

EXTERNAL PEREODIC AUDIT IN AUGUST 2023

Government of Ras Al Khaimah - RAK Ports
P2 Report

Management System Certification
ISO 9001:2015, ISO 14001:2015,
ISO 45001:2018

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Other results

Key points observed during the audit not included in the Focus Areas.

Positive indications

- Successful implementation of on-line QHSE-New systems “RASCI/INBISCO” (rak-ports.inbisco.nl).

EXTERNAL RECERTIFICATION AUDIT IN AUGUST 2024

Government of Ras Al Khaimah - RAK Ports
RC Report

Management System Certification
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

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Other results

Key points observed during the audit not included in the Focus Areas.

Positive indications

- Documents are found adequately controlled and personnel are well conversant with the relevant documented information (Inbisco RASCI).

RAK Port:

- Facility is well maintained, and adequate controls are in place for effective implementation of QHSE management system.

REFER VIDEO NO.5: SUSTAINABILITY IN RAK PORTS

The video illustrates sustainable port management using INBISCO (1 min 31 sec)

RAK
PORTS

INBISCO QHSE

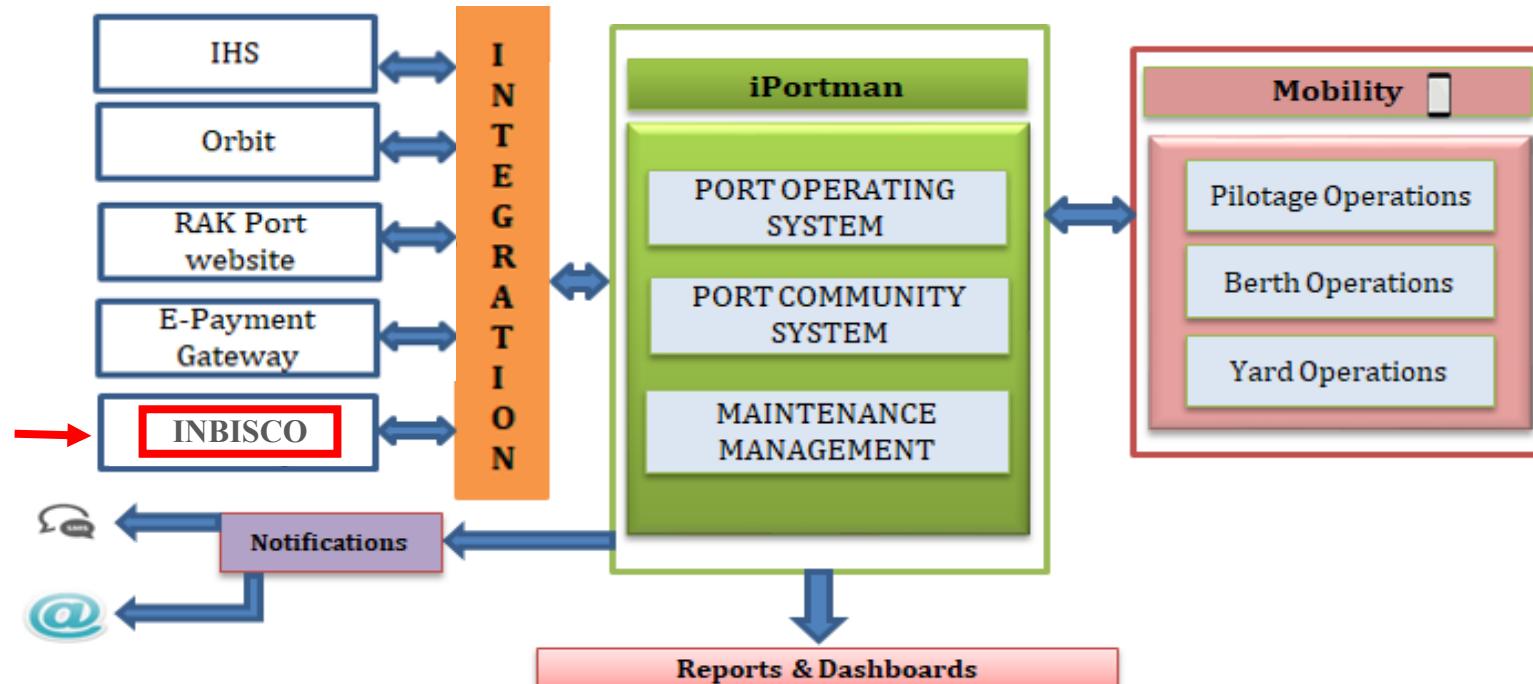
One tool for your entire quality and safety cycle.

STRATEGIC INTEGRATION WITH PORT COMMUNITY SYSTEM

RAK Ports has enhanced interoperability and implemented collaborative digital ecosystems by integrating INBISCO with the Port Community System (PCS).

Seamless API integration:

- INBISCO's API (Application Programming Interface) allows real-time, bidirectional; data exchange with RAK Ports PCS, developed in collaboration with Envision.
- Enables automatic synching of HSEQ data between INBISCO and PCS.



STRATEGIC INTEGRATION WITH PORT COMMUNITY SYSTEM continued..

Unified digital ecosystem:

- Integration allows centralized and controlled access to incident reports (IRIS), risk assessments (RAS) and process flows (PM) directly through the PCS dashboard.
- Promotes real-time compliance monitoring and faster stakeholder response across port departments and external users.

Enhanced stakeholder collaboration:

- Port users, contractors, and authorities gain access to verified HSEQ records through the PCS interface.
- Supports shared learning from incident data, and joint risk mitigation strategies.

Scalable framework for Inter-Port Cooperation:

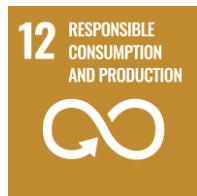
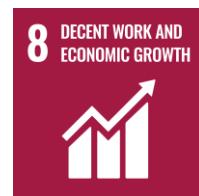
- The integration framework can be extended to other regional ports for standardized HSEQ data exchange.
- Lays the groundwork for future partnerships and benchmarking initiatives with other IAPH member ports.

CONCLUSION

The innovative approach of INBISCO implementation has revolutionized operations across the entire RAK Ports group, contributing significantly to Health, Safety, Security, sustainability and efficiency over the years.

By digitalizing processes, enhancing real-time safety reporting, and fostering a culture of proactive risk management, RAK Ports is proud to lead the way in safeguarding our people, environment and community.

We look forward to sharing our progress and continued innovations with IAPH as we embark on other sustainable projects in the future!



HEALTH, SAFETY AND SECURITY / DIGITALIZATION / ENVIRONMENTAL CARE & COMMUNITY BUILDING

THANK YOU

Presented by:

RAK Ports

Ras Al Khaimah, UAE

Regular member of the IAPH since 2021

Website: <https://rakports.ae/>