

# SENYAR HSE Application

## IAPH Award

Digitalization / Health Safety and Security



مجموعة موانئ أبوظبي  
AD PORTS GROUP

# Setting the Stage





## Overview

**SENYAR**; an electronic Health, Safety and Environment (HSE) System is designed to effectively manage every aspect of AD Ports Group HSE related programs. This includes, without limitation, to easily track, report and analyze all of AD Ports Group metrics in real time, comply with regulations and standards such as ISO 45001 and ISO 14001.

In addition, to drive continuous improvement across AD Ports Group business with a user-friendly management solution which includes, yet not limited to, Incident Reporting And Investigation, Periodic Performance Reporting, PTW, Waste Management, and Corrective Action Monitoring.

# SENYAR HSE MANAGEMENT



## INTRODUCTION - SENYAR - HSE MANAGEMENT

Senyar, Health Safety and Environment Management System, was designed to improve the efficiency of HSE processes in AD Ports Group.

Senyar HSE application was built in 2 stages:

**Senyar 1**, which is a responsive Application with Flexible Workflow Management and visibility to the **Incident Management Process flow**.

To access **Senyar 1**, Click on Open **Senyar1** button in green.

**Senyar 2**, which was implemented in 2022 to deliver a fully new HSE application, focusing on Permit to **Work and Waste services** in **Stage1**.

To access **Senyar 2**, Click on Open **Senyar2** button in green.

## BUSINESS PROCESSES HANDLED IN

SENYAR1

SENYAR2

OPEN SENYAR1

OPEN SENYAR2

## RELATED LINKS

IT Service Requests

IT Service Desk

## HELP AND SUPPORT



# Results & Benefits

The results and benefits of the application, without limitation, as below:

- Improved efficiency and accuracy of data collection, by allowing electronic mobile data entry and automated analytical reporting.
- Efficient Performance Monitoring, by making real time data available online.
- Accurate and timely Reporting to Regulatory Authority & Management.
- Effective use of employee work hours that is currently spent on manual calculations of data and verifications.
- Improves customer service for Permit to work (PTW) system, by shortening the time taken for approvals that are done currently through a lengthy manual process by passing hard copies among the concerned departments.
- Improves customer service for waste services by shortening the time taken for manually processed approvals.







## Results & Benefits





- Automated and timely communications with Finance Department for billing, which are currently being done by sending receipts to Finance Department, which is prone to error and loss of documents, and loss of revenue.
- Improves evaluation and monitoring of incident data; corrective action management, audit finding, tracking KPIs & Objectives which are currently done manually by staff using word documents, emails and phone calls.
- Empowers management with accurate and reliable information & analysis for decision-making.
- Supports ISO Certifications, by applying documented information control throughout the year.
- Fulfils legal and federal reporting requirements, by making all legal rules and regulations available to staff via Legal Registers and proactive circulations.
- Drive AD Ports Group performance towards international recognition.



### OPEN REQUESTS

	Immediate Notifications	154
	Observations	1742
	Adverse Weather Conditions	68
	Security Violations	0

### PROCESS

	Permit To Work	0
	Waste Management	0
	Risk Management	0
	Inspections	0

### BODY PART INJURIES TOTAL COUNT



30+

My Tasks

00

My Drafts

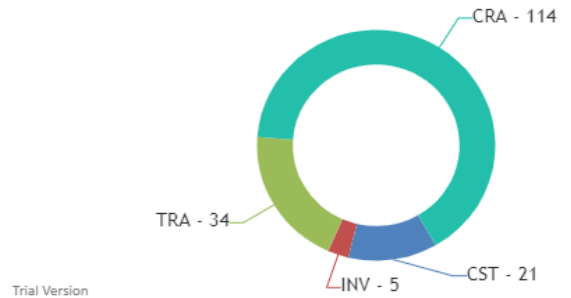
00

Tasks Overdue




HSE Performance

### SUB TASKS



### INCIDENTS

	Land Incidents	32
	Marine Incidents	8
	Traffic Incidents	2

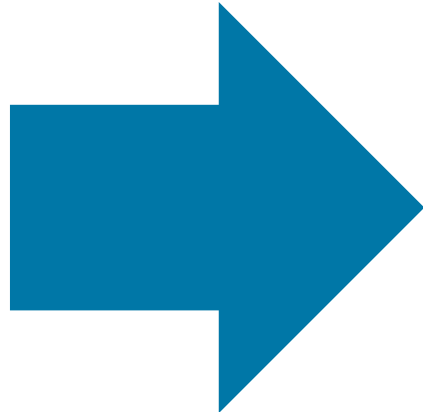


# TECHNICAL APPROACH TO IMPROVE SENYAR I



OLD  
SENYAR

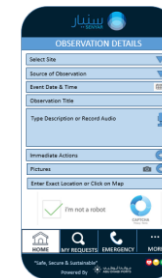
Incident Management



Off-The-Shelf  
Product/  
Web Based



Dashboard



Mobile  
Application



Data Warehouse/  
Servers  
Back end





# KEY BENEFITS

## WHY DO WE NEED SENYAR II

---

- Maximize Efficiency & Compliance; OSHAD, DMT, EAD, Tadweer
- Improve information accuracy and levels of HSE services
- Drive Continual Improvement; innovation & automation
- Improve Customer Experience
- Efficient Performance Monitoring
- Time and cost saving
- Maximize the benefits of Human Resources



# BASIC SCOPE – DELIVERY THROUGH 6 RELEASES

1	Incident Management-03	HSE Observation-05	7
2	Management of Change-8	HSE Inspections & Management Walkabout-6	8
3	Actions/Tasks Management-04	HSSE Violations-7	9
4	Performance Management-10	Cost Management-9	10
5	Permit to Work-01	Reports & Dashboards-11	11
6	Waste Management-02	Mobility Scope-12	12

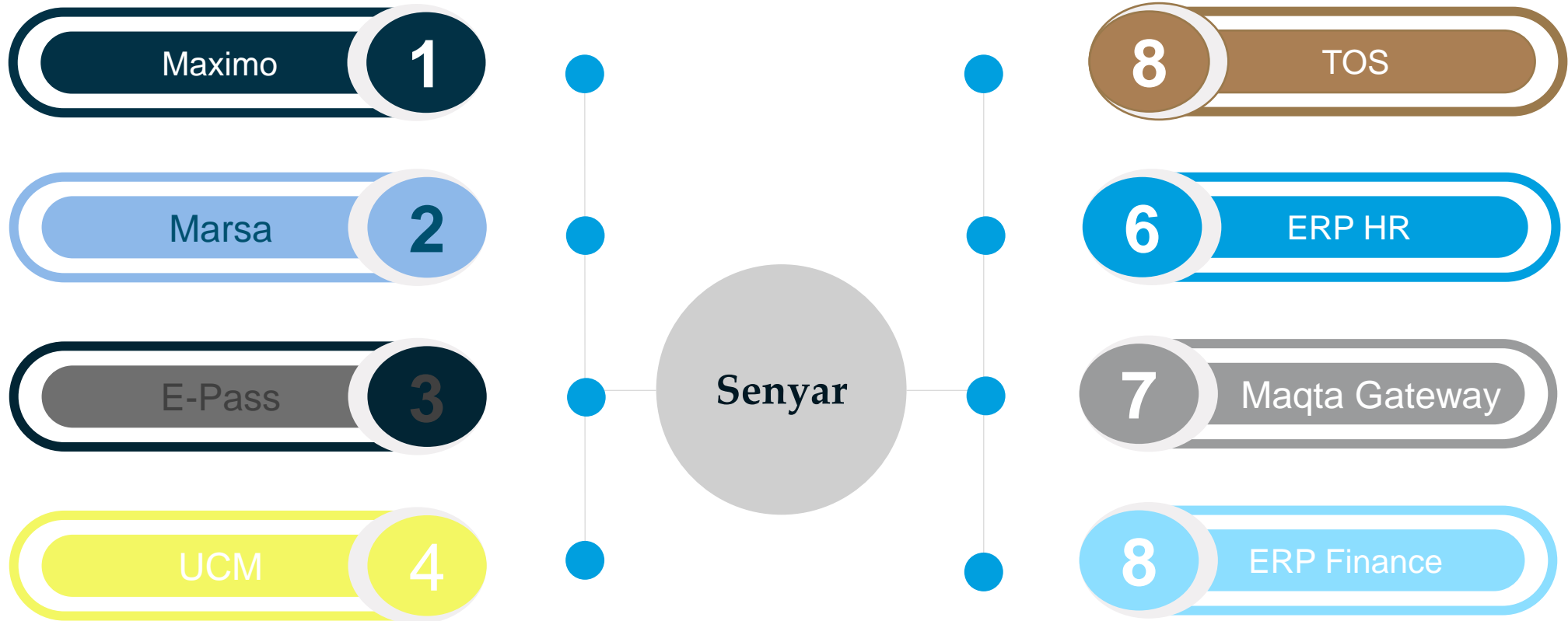


# OPTIONAL SCOPE

- 
- 1 Audit Management-1
  - 2 Safety Bulletin
  - 3 Training and Competency
  - 4 Risk Management-2
  - 5 Job Safety Analysis
  - 6 Emissions Management-3
  - 7 Environmental Aspects & Impacts
  - 8 Occupational Health Surveillance



# INTEGRATIONS WITH OTHER SYSTEMS





# COMPARISON OF-THE-SHELF VS CUSTOMIZED APPLICATIONS

Key strength & functionality	Of-the-Shelf	Customized
Full Customization to fulfil the business needs/ processes		✓
Fast time to value - ready-made HSE best practice modules	✓	
Configurable, scalable and built in knowledge library	✓	
Flexibility to add new modules at any stage to meet business needs	✓	
Technology & version upgrades	✓	
Flexibility to changes to the data entry forms and workflows without changing software code	✓	
Interfacing Functional Capabilities	✓	✓
Simple and easy to use	✓	✓
Built in BI reporting and data analytics	✓	
Advanced Root Cause Analysis	✓	
Built in Audit Trail, Notifications,	✓	✓
Mobile Access (Offline)	✓	
Built in Electronic Signatures	✓	

**Note:** Customized application will depend on Oracle BPM & development from scratch; **therefore** more risks and more cost



# BENEFITS, RISKS & OPPORTUNITIES

## Benefits

Automate 20 HSE critical processes

Drive Continual Improvement, maximize efficiency & compliance

Time and cost saving and automation of Billing Module

Improve customer experience through Mobile Application

Integrations with Internal Application

Efficient Performance Monitoring

## Risks

Stakeholders availability

Changes in requirements & scope creep

Data migration from existing SENYAR application

Error and discrepancy information

Integration with Maqta Gateway and internal applications

## Opportunities

- Flexibility to implement across multi clusters
- No additional cost for increased number of users
- Flexibility to accommodate business changes
- Low maintenance cost
- Standardised & Single platform



# COST AND BENEFIT ANALYSIS

Process	Stakeholder	Time Saving	Transactions/Year	Compliance	Potential Revnue
Incident Management	Internal & External	60%	400	Yes	No
Management of Change	Internal	20%	30	Yes	No
Actions/Tasks Management	Internal & External	50%	2000	NA	No
Performance Management	Internal & External	50%	100	Yes	No
Permit to Work	Internal & External	50%	4,000	Yes	Yes
Waste Management	Internal & External	50%	5,000	Yes	Yes
HSE Observation	Internal & External	50%	30,000	Yes	No
Inspections	Internal & External	30%	250	Yes	No
Violations	Internal & External	20%	5,000	Yes	Yes
Audit Management	Internal & External	60%	50	Yes	No
Risk Management/ Register	Internal	40%	1,000	Yes	No

**Note:** Time and accuracy of information are crucial toward fulfilling ADPorts compliance requirements and obtain the best utilization of HR resources. Cost Benefits in HSE automation is embedded in efficiency improvements, incident reduction, enforce safety control, demonstrate compliance, improve customer experience, safe culture, and reputation.





# POTENTIAL SOFTWARE- SUPPLIERS

- 1 Intelex's EHSQ; [www.intelex.com](http://www.intelex.com), [www.barikgroup.com](http://www.barikgroup.com)
- 2 SAI360; SAI Global, [www.saiglobal.com](http://www.saiglobal.com), [www.centresystemsgroup.com](http://www.centresystemsgroup.com)
- 3 Aegis 360 EHS Management Solution; MACS-G Solutions DMCC, [www.macs-g.com](http://www.macs-g.com)
- 4 EHSQ Software; Alcumus, [alcumus.com](http://alcumus.com), [safecontractor.com](http://safecontractor.com)
- 5 SaaS software; sphaera, [www.sphaera.com](http://www.sphaera.com)
- 6 Environment, Health, and Safety Management; SAP, [www.sap.com](http://www.sap.com)

Note: The first two bidders was shortlisted and finally we award the contract to INTELEX through Barik Company



## Senyar II Go-Live

Dear colleagues,

As part of AD Ports Group journey to improve and simplify HSE Processes through automation, aiming to deliver efficient services & continual improvement, we are delighted to inform you that Senyar II application will be live & available, effective from **6<sup>th</sup> February 2023** and the transition period for internal users will end by **15<sup>th</sup> Feb 2023** for the following services:

1. Permit to Work – Land & Marine
2. Waste Services Request – Land & Marine

Internal services requests can be applied directly using Senyar II Application through eBAB. External services requests can be applied by customers (e.g. contractors, shipping agents etc.) using ATLP Platform which is directly connected with Senyar II application for required actions, and we encourage all personnel to act promptly to avoid any delay in executing transactions initiated by AD Ports Group Customers.

For trainings, kindly access the training manual in eBab or contact IT Service Desk & Corporate HSE team.

We thank you in advance for extending your full cooperation towards making this Go-Live a success.

Best regards,

Corporate HSSE



## HOME PAGE



Land Permit to Work



Marine Permit to Work



Waste Service Request



Initiate NC/OFI



Land Permit to Work List



Marine Permit to Work List



Waste Service Register



NC/OFI Register List



# SENYAR HSE Application

## United Nations Sustainable Development Goals



# Thank you

[adportsgroup.ae](http://adportsgroup.ae)

[@adportsgroup](https://www.instagram.com/adportsgroup)