

From Nuclear Safety to Safe Neighborhoods:

Government Triumphs in Regulatory

Compliance and Productivity with Pega & AI



Introduction







Sarah Alghamdi GM MOMRAH Government Triumphs in Regulatory Compliance and Productivity with Pega & Al

Pega World 2024 | Las Vegas



Enhancing Integration Of Municipal Services And Housing Products For Saudi Cities

Vision

Excellence In Providing Municipal Services, Achieving Urban Sustainability In All Regions Of The Kingdom, And Organizing And Facilitating A Balanced And Sustainable Housing Environment

Message

Improving The Quality Of Life And Prosperity In Saudi Cities To Respond To The Aspirations And Needs Of Current And Future Generations And Achieve The Happiness Of The Residents

Inspection before Pega "MCP"



Inconsistent Processes

Different municipalities followed varying inspection protocols, making it difficult to ensure consistency and compare data.

Lack of Visibility

The fragmented approach hindered the ministry's ability to track progress and identify areas for improvement.

3

Resource Intensive

Managing multiple inspection processes was both time and cost-intensive for the ministry.









وزارة الشؤون البلدية

Road to Excellence with Pega & Aaseya



Results and Impact of Momtathel



Pega and Aaseya: Architects of Innovation in Smart Inspection System



MCP - Inspection System 01 MCP - Smart Inspections 02 City Management System 03



How Does It Work Based On Balady Lens Inspection Medium?







Results and Impact of Smart Momtathel

Increase Geographical coverage	Increasing the coverage of priority areas by implementing a local lens compared to the monthly rate of the exclusivity component.	~12x	
Increase visual pollution detections	Increasing the number of detections by using a local lens solution compared to previous discoveries through the use of the exclusivity component.	~15x	MCP – Inspection System
Efficiency in time and effort	Reducing the time taken after completing the inspection process through a local lens solution compared to using the exclusivity component.	~4x	MCP – Smart Inspections System City Management System
Reducing the need for the number of Inspectors	Increasing the number of detections by using a local lens solution compared to previous discoveries through the use of the exclusivity component.	82%	
Rationalising expenditure	Increasing the number of detections by using a local lens solution compared to previous discoveries through the use of the exclusivity component.	76%	وازارة الشؤون البلدية والقروية والإسكان والمحدن الذكيـــة والاستان المعاد المعادية المعادية المحدن الذكيـــة المحدن الذكيـــة

02

Shaping Smarter Cities: The Next-Gen City Management System with Pega









DTSC's Vision: Momtathel needs to evolve further to support the everchanging inspection needs of the Amanas

Shaping Saudi's Future: Smart Cities Powered by Pega & Aaseya Digital Innovation.



وزارة الشؤون البلدية والقروية والإسكان Ministry of Municipal Rural Affairs & Housing

THANK YOU



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Richard Wilkinson

Pega Product Owner



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What is Sellafield?



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Sellafield Ltd





SEMS programme

SEMS Drivers

The SEMS Programme was established based on two key drivers (see below), which in turn shape it's overarching mission. The SEMS Programme enables a number of benefits through the ECDV's.



Resolution of issues across the Sellafield Ltd. Management System



Enabling effective delivery of business performance, changes and benefits

Our Mission is to: "Deliver a cohesive management system which enables us to perform with pride, passion and at pace by connecting people, systems and processes"

The SEMS Programme will deliver...



Opportunities to maximise value, cost efficiencies and risk mitigation.



Greater clarity on roles and responsibilities.



Simplified and standardised ways of working.



An improved end user experience.

A 'golden thread' of compliance built in to all processes.



Increased procedural use and adherence

... and enable:



Significant Benefits



The Management System

Why does Sellafield need a Management System?

The Management System ensures Sellafield can meet their objectives in the most efficient manner possible

- Running an efficient and effective organisation that achieves its goal of decommissioning nuclear waste within a set budget each financial year
- Ensuring all activities carried out by staff are compliant to all relevant legislation in the UK, especially activities with nuclear safety impacts





What does SEMS contain?

Static documentation

Static documentation represents any type of 'paper' documentation. In the current SLMS there are several document types: Charter (SLC), Form (SLF), Manuals & Plans (SLM), Policy (SLCP), Practice (SLP), Supporting Practise (SLSP). These documents are used to provide and capture information about processes and procedures. In SEMS, some documentation will be turned into workflows and others will be kept as static documentation.

Workflows

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Workflows are digital processes, where a previously static process has been converted into a step-by-step workflow that guides the user intelligently.

At the most simple level these processes will capture information from the end user and then guide them down a pathway of steps based on the answers/content they have provided.





Overview of our delivery process

SEMS Design Principles



leftild Sellafield Ltd

Toolset Activities

The Toolset team are responsible for all elements of the management system build, including; ensuring the management system is compliant by design, reengineering processes into digitsed workflows, developing the physical system and testing with users to iterate and remove bugs. The breakdown of key activity is shown below:



SEMS Early System Access Success

All Sellafield internal end users had the opportunity to experience SEMS before it was launched. The aim was to build awareness and confidence with SEMS ahead of Go-Live:



SEMS Early System Access Success



Transition Journey to SEMS

• Transition between the existing management system and the new SEMS will be executed in a phased, progressive and controlled manner over a 5–6-year period











RICHARD WILKINSON Product Owner – Sellafield Ltd.



SARAH ALGHAMDI General Manager, MoMRAH



PANKAJ JAIN CEO, Aaseya



GRAHAM DAWKES Sr. Vice President, Sales, Aaseya

Right-Sized Transformation Partner of Choice

Large Enough to transform

Small Enough to care

- Service delivery excellence, and consistency
- Business value, innovation and transformation
- Will be where customers want us to be

- Flexible, agile and responsive
- Focused management attention
- Building and sustain the relationship



THANK YOU

