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1 Executive Summary

1.1 Overview



“Smart Inspector Mobility is a solution that helps people and businesses modernize how they work. Similar to how a phone helps you become more productive, Smart Inspector helps your workforce stay organized and your business grow faster”

Smart Inspector is a workforce productivity solution that can help the DPR remove inefficiencies and bottlenecks in the data management workflows related to

1. Increasing visibility into field operations across all personnel and field sites.
2. Reducing operational costs by eliminating overheads related to the transmission, validation, and manual data entry of paper forms
3. Work order dispatch and monitoring, pipeline and asset inspections, and lots more.

Delivered as a 3-in-1 solution, Smart Inspector comprises of a highly customizable mobile application for smartphones and tablets that empowers all personnel with the tools they need to access and report rich information, a web portal for oversight and managing workflows, and a powerful data analytics module that can integrate with existing systems, and help management spot opportunities early and identify problems before they occur.

2 Solution



1.2.1 Increasing the Capacity, Efficiency, Productivity, and Speed of Safety Inspections

By harnessing the ubiquity of cheap smartphones and innovations such as GPS, cameras, and signature capture, and Bluetooth enabled biometric readers, Smart Inspector's mobile app allows field inspectors to leverage on their existing devices to stay productive and flexible. It enables them to capture and report data faster, verify certificates quickly, resolve problems efficiently, and thus enable operations to scale out and cover larger geographic areas without introducing manual bottlenecks.

1.2.2 Decreasing Inspection Status Ambiguity, Search Time, Labor Costs, and Error Rates

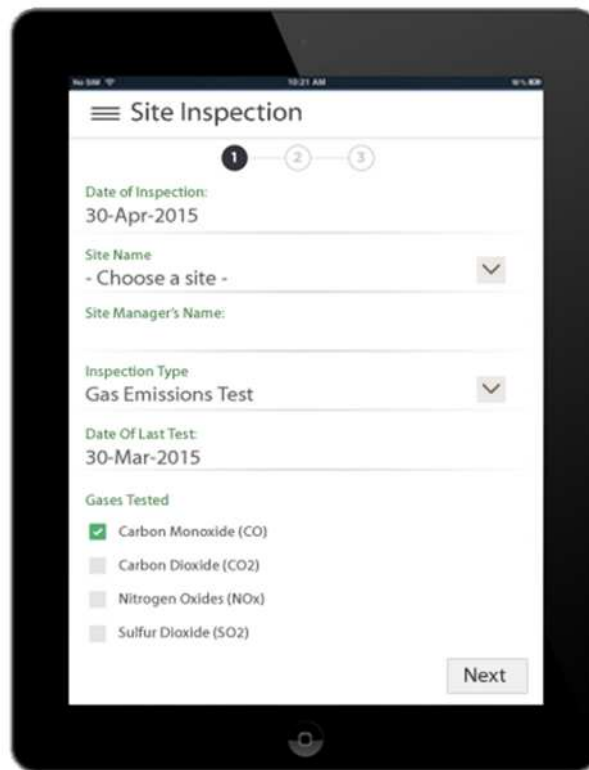
By empowering field personnel, Smart Inspector can decouple the basic data capture function of a field inspection from the technical evaluation and analysis required to approve it, so that more inspections can be carried out simultaneously. Supervisors can get precise and timely information electronically, and the review and approval workflow can flow seamlessly, thereby reducing the time spent searching for information using manual methods such as telephone calls or paper reports, and reducing inefficiencies associated with incorrect data validation, duplicate data entry, and late data sharing.

1.2.3 Improving Accountability, Security, Compliance, and Tracking Capabilities

Smart Inspector provides the ability to produce flexible and actionable reports easily across management, employees, customers, locations, statuses, and exceptions. Combined with auditable data collection and retention, you can be rest assured that every activity is tracked, measured, and logged thereby keeping you in effective compliance with internal and regulatory rules.

2 Solution

2.1 Overview



“With customizable mobile forms, one-click push deployment, and real-time data integration, Smart Inspector shrinks the time it takes to go from idea to reality from 90 days to 5 minutes, helping you innovate faster and drive business growth”

It comprises of three workforce productivity tools that help to drive business goals.

1. Smart Inspector® Mobility App – A productivity tool that empowers your team by making all your paper forms, checklists, and process guidelines accessible in an easy-to-use mobile app, so that everyone can have everything they need, anywhere, anytime
2. Smart Inspector® Mobility Control Center - Through a refreshingly simple user-interface, the Control Center web portal gives you 100% oversight and control so that you can fine tune how each form or checklist looks and behaves, control who has access, and integrate customized workflows to suit your business.
3. Smart Inspector® Mobility Analytics - Discover hidden gems and gain unparalleled insight into your data through Smart Inspector® Mobility Analytics, the data reporting solution that helps you leverage data from multiple sources to detect and react faster to new opportunities, and mitigate potential problems early

2.2 Top 10 Benefits



1. **Increase your visibility** into the inspection across upstream, midstream, and downstream petroleum value chain by collecting rich information on asset conditions, status updates, exceptions, pipeline faults, personnel locations etc.
2. **Provide Photo and Location based evidence** by allowing inspectors to capture photos and GPS locations of all equipment in order to support all claims on the inspection checklist.
3. **Improve environmental, and health and safety standards** by dispatching the latest safety checklists to all personnel at a click, and track compliance directly from the Head Office.
4. **Make better strategic decisions on risk mitigations** by capturing all relevant raw data across all asset inspections in order to build the rich historical dataset that is crucial to building accurate reports.
5. **Track field events as they are happening** by capturing real-time status updates from all field locations, inspections, work orders etc.
6. **Empower personnel with the latest global best practices** by deploying refresher training information and performance assessments on a regular basis directly to their phones and tablets.
7. **Identify areas of need** by leveraging comprehensive data collection to make accurate comparisons
8. **Improve the ROI on existing IT commitments** by extending them with an integrated mobile interface that drives user adoption, greater data accuracy, and end user satisfaction.
9. **Extend your reach and productivity** by using intelligent systems to automate job routing and process information requests.
10. **Save time and money** by empowering field staff to get more work done faster and more accurately using their existing phones or tablets.

2.3 Capabilities



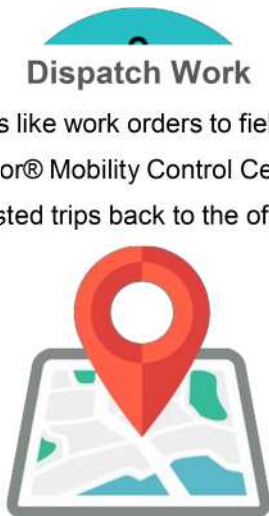
Capture Photos

Add a picture to your form to provide a real image of on-site inspections, installations, audits, verifications and problem situations.



Get real signatures

Collect authorization via signature capture right on your device using the touch screen.



Where and when

Quick and simple location and time verification using GPS and time stamps. Confirm the location of inspection sites, site visits, time of arrival and work performed.



Scan barcodes & QR Codes

Scan the QR and barcodes of parts and equipment from a mobile device, automatically retrieve descriptions and associated data, and include them right into your forms and reports.



No manual calculations

Need an estimate? Calculate totals and get results right away. Perform calculations within forms and better confirm quotes.



Integrate custom data

Embed your business data into your mobile forms with our Data Connections options. Provide your field teams with real-time access to your office data, right into their forms (such as client information, pricing, part numbers...)



Work Offline

Access forms and data on your mobile device even when you are out of signal coverage. Your device will be synchronized automatically when you are reconnected to a network



Use any device

The mobile app works on most devices and operating systems, including iOS, Android, Windows Phone or on a Web browser.



Predict business trends easily Analyze data submitted from the field, potentially revealing lucrative business trends and truths. Leverage high volumes of data quickly and respond to business process challenges/opportunities faster. Put the focus back on your core business.



Regulatory Compliance

Meet mandatory objectives and ensure complete auditability. Make certain that every business number is accounted for and that no data ever falls through the cracks again. These accurate, detailed compliance reports serve to safeguard your business.



Manage users and groups

Quickly manage and organize your mobile workers into useful groups based on region, forms or business process. Update groups with changes to form data and add or remove users as your organization changes.

2.4 Key Differentiators

End to End Systems Integration	Smart Inspector's touch points span the entire process lifecycle ranging from secure mobile apps to integration with existing systems
Mobility First	Architected specifically with "mobile first" in mind, Smart Inspector can help you enjoy greater productivity, improved employee morale, and better service delivery, while at the same time reducing IT cost and operational complexity
Auditing	With a full audit trail and ability to leverage existing user management systems such as Microsoft Active Directory, the platform helps enterprises ensure and demonstrate compliance with internal and external standards, while providing instant and real-time visibility of the compliance profile across the entire organization.
Big Data Multi-dimensional Reporting and Analytics	Smart Inspector can help you setup custom reports that query multiple user-defined fields and produce meaningful insights into ever growing datasets.

3.1 Workflows

3.1.1 Inspection Implementation Workflow

How do I get 100% visibility into all field inspections?

Inspection Implementation Workflow

