

Hazardous Area Inspection Software for the LNG Industry



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About Arnlea

Arnlea is the global leader in SaaS delivered mobile apps for asset management efficiency and safety, to the energy industry.

We develop and deliver mobile technology solutions via Intrinsic, our industrial mobile software, to optimise mobility, data capture (such as RFID) and efficiency in Asset Management.

Arnlea's software product suite Intrinsic utilises the latest mobile devices and is available as a complete solution or in separate modules - IntrinsicMM for Materials Management; IntrinsicIM for Inspection and Maintenance; and IntrinsicEX for the inspection and maintenance of hazardous area equipment - and can run either standalone or fully integrated with your corporate system.

Our offer accommodates an unlimited number of items on your asset register, which is ideal for LNG operators. From LNG plants to LNG fuelled vessels, we have global experience helping to make your hazardous area inspection process more efficient. Part of the streamlining process involves implementing an Risk Based Inspection (RBI) strategy which dramatically cuts down the number of work hours spent inspecting, based on known risk factors.

We also realise how important ERP/EAM systems are to LNG facility owners, and it is for this reason that we specialise in integrating your chosen ERP/EAM system with IntrinsicEX; this helps keep administration and manual data input hours as low as possible.

Intrinsix: Our Digital Solution

Arnlea’s Intrinsix software product suite delivers real operational efficiency, asset integrity and regulatory compliance, reducing operating costs and improving safety.

Arnlea’s core capability and experience lies in the application of mobile and AIDC technology. In short, it enables front-line supply chain and operations personnel to carry out their activities quickly, easily, and accurately.

HOW INTRINSIX WORKS

Intrinsix simplifies the receipt, management and relocation of inventory, the visibility and traceability of equipment in logistics activities, and the history/condition of an asset. Using handheld mobile devices, inspectors can read RFID tags, QR codes and barcodes easily. The devices themselves are ruggedised for use in warehouses and hazardous or challenging field environments. They range from smartphone-like devices and tablets through to Zone 1 ATEX-certified handheld devices suitable for potentially explosive atmospheres. Fixed readers can also be deployed at points throughout the supply chain, along with active RFID tags to enable tracking and tracing of equipment, materials, and containers.



Make faster, better-informed decisions

Customers can choose whether to run Intrinsix as a standalone system or integrate with their corporate operational system. It has its own database to allow office and field-based management/staff to use their desktop computers for data entry and processing, as well as comprehensive web-based reporting.



Secure environment with validation and authentication

Corporate and asset management systems are an integral part of many of our customers’ organisations and processes, and our software’s ability to integrate tightly and securely with their systems is an important requirement. Critically, Intrinsix addresses the need for a secure environment with validation and authentication of ERP/EAM system users on its handheld mobile devices.



No network? No problem!

Many of our customers’ operating locations do not have the capability to connect to a network. Intrinsix mobility solutions operate in both connected and standalone mode, allowing data to be captured and retained on our handheld mobile devices, with the data transfer taking place once the device is docked into a connected environment or when Wi-Fi connectivity is re-established.



Benefits

Intrinsix delivers significant operational efficiency through providing consistency, enhancing team productivity and uniformity of recording, to improve overall decision-making.

Ensures compliance

Ensures compliance with IEC 60079 standards and ATEX directives for explosive atmospheres

Increases efficiency

Increases efficiency of inspectors by an average of 150% over paper inspections

Reduces inspection times

Reduces inspection campaign times by up to 50% through the application of the RBI strategy

Quickens turnaround

Quicker turnaround of faulty and ineffective equipment meaning greater output

Visualises RBI alarms

Visualisation of RBI alarms and thresholds for individual tags, areas and work orders, improving data comprehension and interpretation

Provides a central location

One central location for data which allows multiple people to work and edit simultaneously, delivering better productivity

Improves management decision making

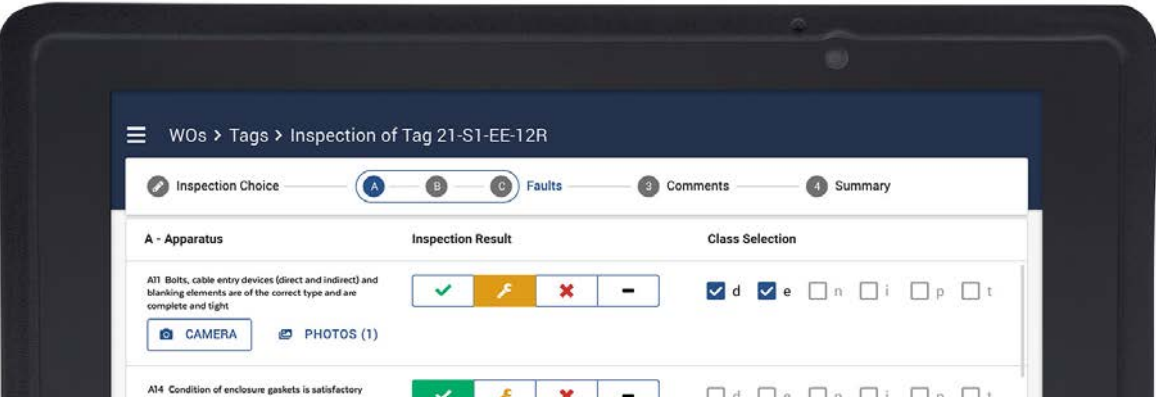
Better management decision-making from an instant and easy-to-use web reporting module

Enables system integration

Integrates with clients' corporate systems such as SAP and Maximo, facilitating faster operational decision-making

Allows frontline data capture

Effective frontline data capture via mobile devices like tablets and smartphones, providing better accuracy and job satisfaction



The Intrinsix Suite



IntrinsixEX, for Hazardous Area Inspections, uses mobile Auto-ID technology such as RFID tags, alongside strategies including RBI, to increase compliance and decrease costs in your Ex inspections and maintenance activities. The benefits of IntrinsixEX focus on the efficient use of ATEX equipment through intelligent inspections. Compliant with the latest IEC 60079 standards and ATEX directives, IntrinsixEX uses intrinsically safe handheld technology, providing visibility, accuracy, and control, which improves efficiency, reliability and ultimately extends LNG plant, terminal or vessel life.



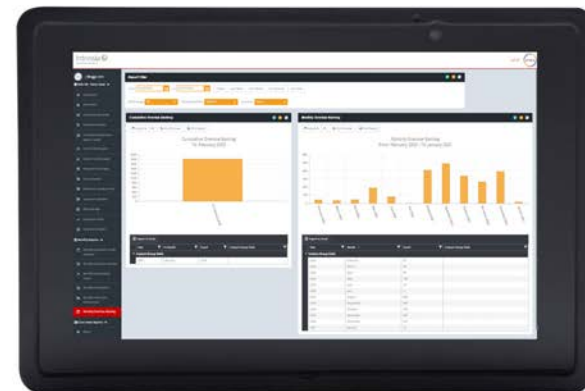
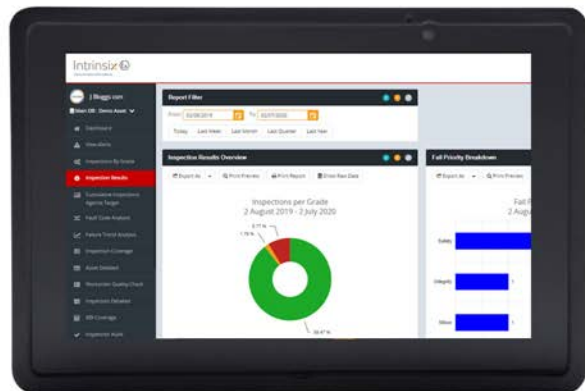
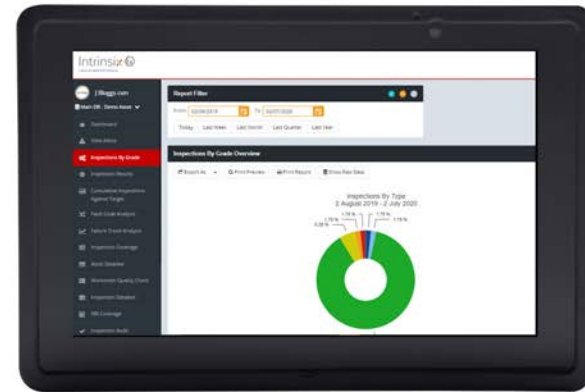
IntrinsixIM, for Inspections & Maintenance, provides plant operators with the tools to ensure safety and the effective operation and maintenance of equipment. Configurable strategies allow data capture of full asset inspections, from hoses and small bore tubing to lifting equipment, and everything in between.



IntrinsixMM, for Materials Management, records the receipt, management, issue and relocation of stock and equipment, capturing electronic inventory transactions on the "shop floor". With a greater level of confidence around inventory and logistics, customers can achieve more efficient and streamlined manufacturing and/or production processes, reduce unnecessary costs from over-stocking, offer their clients improved lead times, improve planning processes, improve their supplier and client relations, significantly reduce operating costs, and increase safety standards.

IntrinsixAnalytics

You need to capture your Hazardous Area Equipment (HAE) inspection data in a compliant and efficient way and analyse that data to make fast, intelligent decisions. You can have all the data in the world - but without analysis it's of no benefit to anyone.



IntrinsixAnalytics

an arnlea solution

Data needs to be turned into information, deployed and acted upon accordingly. IntrinsixEX rises to that challenge through its IntrinsixAnalytics dashboard.

IntrinsixEX has been designed to be user-friendly in every respect. The Intrinsix Analytics real-time dashboard is another excellent feature of the inspection software that brings a number of benefits to all those involved with inspections and reporting. The dashboard provides a multiple asset overview of the current status against plan of the Ex inspection strategy.

In addition, IntrinsixAnalytics details functionality for work plans and highlights frequently failing tags. It also provides a RAG report to show how inspections are performing overall and is an excellent real time snapshot of the inspection process and equipment failure/maintenance/repair/replace/ performance.

Benefits

- Clear visuals that are easy to read and straightforward to interpret
- Real time snapshot of inspections' status and progress
- Work plans functionality for smoother operations
- RAG reports to show equipment performance
- Highlights frequently failing tags and helps to identify failure trends
- Supports overall productivity of inspection team because reporting is immediate and automatically generated rather than individually collated and created
- Provides consistency of reporting and standardises how data is displayed

Accreditations and Memberships



Compliance Standards



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