

nexala

Asset Maintenance Operational Planning Service Management

Nexala's solutions allow companies to improve operational efficiencies, manage their assets, improve their service levels, increase utilisation and fundamentally to reduce their costs. In effect Nexala is about improving business performance.



insights

Operational Planning

“Hitachi chose Nexala due to their established record within the industry. We evaluated a number of systems software providers and selected Nexala due to the breadth of functionality of their systems and the match with our requirements”

Andy Barr
Head of Maintenance Delivery, Hitachi

HITACHI
Inspire the Next

Nexala Insights™ is a planning, forecasting, reporting and analysis engine. It enables users to react to events in real-time; make calculated and informed decisions; build scenarios and plan for all eventualities; and use highly accurate forecasting techniques to ensure revenues, costs, parts, materials and stocks are maintained at their optimal levels. Nexala Insights™ comprises four main components:

Scenario Planner: This component allows for different scenarios and plans to be modelled and their impacts to be assessed. “What if” scenarios can be easily created and the scenarios compared to allow the business user to decide upon the most appropriate and effective strategy.

Forecasting: This component uses sophisticated forecasting techniques to calculate potential future events in your operation. For example, maintenance costs and operational activities such as the potential occurrence of defects, incidents and future warranty claims can all be forecasted.

Optimiser: The Optimiser module calculates the optimal values for a solution based on modifying input and output values. The Optimiser can be used to calculate the “best” resource plan for a particular maintenance regime or for determining the optimal schedule and timing of an asset’s maintenance program.

Analysis & Reporting: This component provides full multidimensional analysis and reporting for both historical

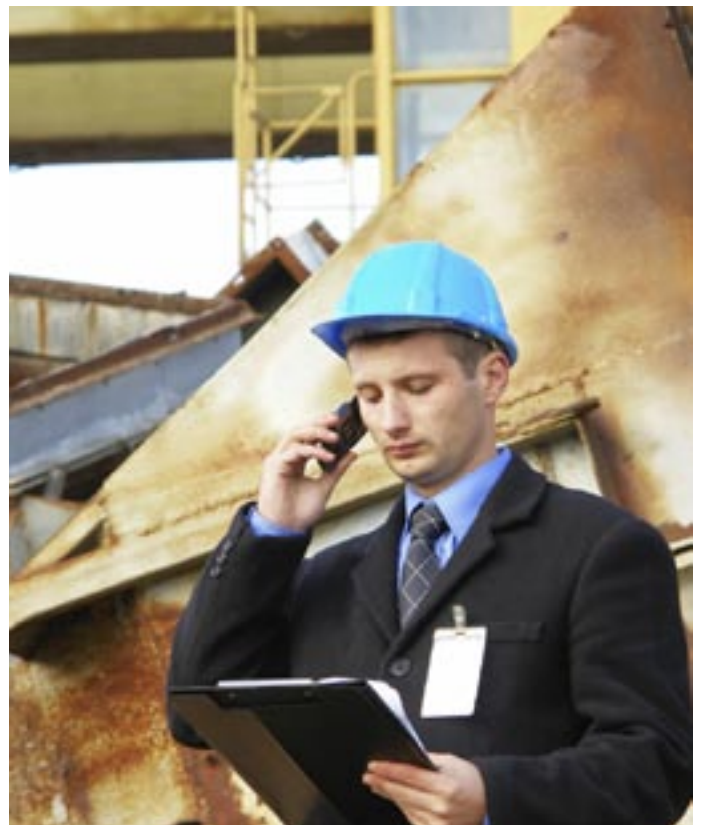
and real-time data. Reports are delivered to a web based dashboard with a comprehensive user toolset to interrogate the data.

Features:

- Seamlessly integrate Operational planning with Asset Maintenance Management
- Scenario planning and “what if analysis” tools
- Integrated reporting and analysis suite
- Interactive web based dashboards
- Real time KPI notifications

Benefits

- Maximise your asset utilisation
- Plan cost effective maintenance regimes
- Allocate resources to tasks to optimise effectiveness, reduce costs and improve quality of service





Service Management



Nexala Spectrum™ enables companies to ensure that they are providing the highest level of service in the most efficient manner. Nexala Spectrum™ allows companies to manage their service level agreements while at the same time ensuring that the cost of service is according to plan. Whether the service being provided is financial, regulatory, operational, or health & safety related, Nexala Spectrum™ ensures at all times that the service is being monitored from a cost and a quality level perspective and any breaches in service are escalated as needed. Nexala Spectrum™ comprises:

Nexala Business Process Manager (BPM): provides sophisticated process management that enables the co-ordination of tasks and resources that make up a business process. Nexala BPM allows organisations to treat existing enterprise systems and data, within the extended enterprise, as “intelligent building blocks” from which they can construct new business applications and functionality.

Nexala Business Rules: This component is a scalable business rules engine for the execution of business rules coupled with a graphical rules editor for creating and managing rules. This allows the rules to be developed graphically by non-technical business users outside of existing applications and systems. Nexala provides a scalable runtime execution of business rules and is designed to support large, mission-critical applications.

Features

- Easy to use graphical editor for the creation of complex processes and rules
- Processes & Rules can be scheduled, triggered by third party systems, or by business rules – they can be scheduled or can be executed in real time
- Highly Scalable – allowing for the execution of thousands of rules in real-time
- Rules interact with processes to ensure that organisations can adapt to changes as they occur in real time

Benefits

- Monitor, measure and manage service level agreements (SLA) and key performance indicators (KPI) and other metrics
- Intelligent alerts and notification
- Integrates seamlessly with 3rd party applications and systems

“Wessex Water work with Nexala because of their deep understanding of the water industry and in particular their ability to understand our assets, processes and our data. Their solutions allow us to manage and optimise our asset performance and our operations in an effective manner”

Dave Watkins, General Manager,
Treatment, Wessex Water





Asset & Maintenance Management

Nexala Equinox™ is a comprehensive enterprise Asset & Maintenance Management System allowing companies to manage their sophisticated assets, operate maintenance regimes, control stock processes and schedule resources. It is designed to manage the complex moving, fixed and linear asset types for the Transport, Energy & Utility and Infrastructure industries. Nexala Equinox™ consists of four main functional modules:

Asset Management

The Asset Management Module enables organisations to define, manage and control their assets. One of the key design features of the Equinox Asset Management module is that the lowest trackable level at which maintenance can be planned and recorded is the component. The component can be tracked (and history maintained) at any level (e.g. assembly, sub assembly, individual component). Equinox also tracks component swapping between assets.

Resources

The Equinox Resource module manages all resource requirements from both the individual level to a team structure. It also manages and co-ordinates individual and team competencies to organise and plan training schedules. It also caters for the allocation of resources and work by skill-set, competency and previous work histories. Full resource costs are also tracked and recorded.

Materials Management

The Stock/Materials module allows the availability of stock to be viewed across multiple stores; provides for comprehensive physical counting procedures; and facilitates valuation at actual, average, or standard cost. Equinox Stock module supports a variety of material capabilities such as Stock Check Defaults, Stock Type Search, Stock Check Operations and Stock Check Review. Warranty claims with asset and component repair procedures are also supported.

Work Management

The Work Management module supports both planned and unplanned maintenance regimes, from service request, work order generation to work scheduling. Equinox planned maintenance is combined with unplanned work and tasks arising from any campaigns which might be running to produce the relevant work schedules. Forecasted work schedules can also be planned as far into the future as required.

“Nexala were chosen due to their extensive experience in the Rail Sector and breadth of product functionality and capabilities”

Steve Mitchell
Technical Services Manager



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