BLACKRAINBOW

NIMBUS
Benefits and Solution Overview

BENEFITS OF NIMBUS

To follow are some of the transformational benefits to be achieved through the implementation of NIMBUS:

Cost Savings

Working with different Laboratories across the globe shows that NIMBUS can eliminate up to 40% of the administration time spent on cases, this translates into direct cost savings through the reduction of overtime, reduction in case backlogs and reduction in rework due to errors. This is achieved through the automation of tasks, which significantly and immediately reduces human errors and delays.

Key benefits: Driving efficiency, reducing back logs, giving back Time to the investigator, reducing costs through effective license usage

Infrastructure Optimization

NIMBUS can squeeze the most out of your existing investment in your hardware and software by working it 24 hours a day and seven days a week instead of the typical 8 hours and five days per week. This is a huge 400% increase in the throughput without any additional investment in people or infrastructure.

Should your Operations be facing a large backlog or an unusually large set of projects, the adoption of NIMBUS with its ability to queue, execute and monitor the processing of lists of projects in series and parallel according to pre-set workflows, across all of your available DF Applications will radically affect the backlog.

Key benefits: Reducing back logs, reducing costs through effective maximization of existing infrastructure.

Operational Risk

The NIMBUS Orchestration module enables a minimization of operational risk by removing all of the areas of human interaction (and thus error) possible. The flipside of risk is efficiency and in reducing risk NIMBUS maximizes the efficiency of the forensic process.

Key benefits: Driving efficiency, through the elimination of human error.

Consistency & Control

Establishing workflows that reflect standard operating procedures ensure that all investigations are handled in the same repeatable and defensible manner, irrespective of the investigative officers involved, caseloads, the evidence types or the data sources and volumes.

The in-built ability to fully audit tasks, evidence tracking, equipment, people and process ensure that NIMBUS plays a defining role in case compliance and quality management.

Key benefits: The knowledge remains within the technology and the unit, deals with sustainability of staffing issues, Accelerate accreditation to ISO standards.

Real Time Transparency

NIMBUS provides complete real time transparency as to the status of the investigation, the allocated work tasks (technical or manual) and the qualifications of the associated Investigators to carry out the tasks. It also tracks time allocated to tasks and task completion relative to service level agreements (SLA's).

Key benefits: Instant reporting and feedback of case status, granular controls and accelerate accreditation to ISO standards

Flexibility

This is perhaps one of the most impactful benefit of NIMBUS, it provides flexibility through the workflow framework to set up workflows that reflect the way you want to work. You do not alter your work process to fit "canned" software – the software simply adapts to your processes and supports the redesign and automation of processes on your journey of continuous improvement.

NIMBUS is application agnostic, it works with all forensic investigation tools, therefore allowing you to pick the right tool for the right job and integrate developments and advancements in these tools as they become available.

Key benefits: Driving efficiency and simplicity, reducing back logs, giving back time to the investigator, reducing costs through effective license usage

Scalable Collaborative Platform

NIMBUS is built to scale. It scales across users, data sources, hardware and applications. It is built for cross case collaboration enabling artefacts in one case to be matched to other cases uncovering commonalities, trends and associations. This is the true power of the system. The Elastic Search back end provides the ability to rapidly search data at Petabyte scale and normalizes this data for analysis.

NIMBUS provides the platform for local and regional Law Enforcement to integrate into a national platform solution.

Key benefits: Modular construction provides ultimate flexibility for the platform in the future, local, national or international leverage and transport layer for information. Rapid enterprise search.

Human Resource development

The Quality Management module also functions as a Human Resource development module as it outlines and tracks current competencies, qualifications and training as well as required competencies, qualifications and training for ongoing development and certification relative to their current or future roles.

Key benefits: Sustainability of staff and maintenance of skill level within the unit, training planning and budget control

Ultimately, the combination of the above benefits will deliver a transformational change to the investigation process combining case management efficiencies, quality assurances, applied processes and repeatable and defensible outcomes.

NIMBUS SOLUTION OVERVIEW

At this stage of our process your Team will have seen a product demonstration and perhaps been given access to a test environment, however we would like to briefly refresh you on some of our key features and functionality which make NIMBUS the solution of choice. The following touch, feel and functionality is available through all the core modules of Case and Quality Management.

Dynamic User experience & interaction	• One touch design, multiple themes and languages • Specific Dashboards to cover any role: country manager, lab manager, investigator or analyst • Touch screen enabled
Simple, highly customisable workflows for Digital and Traditional Forensics	• Design and build tasks into workflows • Map digital and investigation workflow into technology • Build template simple design or complex workflow • Orchestrate all workflows to work with your 3rd party applications such as NUIX, Encase, FTK Griffeye or any other digital forensic technology • Repeatable, auditable and defensible working
Evidence submission and tracking	• End to end detailed exhibit submission capability and tracking • Ticketing & Tasking • Controlled exhibit handling, continuity, bulk handling and auditing
Control and administration	• Unlimited role settings on a very granular level • AD, LDAP or manual integration • Allow access to different capability in the solution Case Management, Orchestration, QMS, Ticketing & Tasking - Allow regional settings between offices • Simple administration
Case Notation & Reporting	• Enter case notes at any screen • Copy and paste external files, drag and drop, upload and screen grab to enter ready for reporting • Create flexible or template reports • Filter case notes by person, keyword, exhibit etc • Export case notes into reports by bulk or individual selection • Combine multiple reports into one editable report
Location (including GEO)	• Geo location for exhibit seizures • Find addresses by postcode or quick ref • Pin drop for exhibits found in location without address • Search across cases for exhibits found in surrounding area • Operational analytics on geo location activity
Operational Graphing Analytics	• Graphing to give operational overview • Instant visibility into the Operation • Can be designed to graph any content of the CMO
DF Application Environment Monitoring	• Monitoring of 3rd party applications • Continuous feed • Error log parsing of 3rd party application to alert users • Monitoring of Hardware performance • Monitoring of hardware and application error logs

The following is a summary of the functionality found in the modules within just the Case Management System. In addition, there are also modules reviewed which are not part of this document in order to give the reader insight into the progression of the system.

Case Management - Core	• Case creation wizard	☑
	• Automatic Case folder setup & storage allocation	☑
	• Dynamic User experience and interaction	☑
	• One touch design, multiple themes and languages	☑
	• Simple navigation	☑
	• Full case, people & asset overview	☑
Evidence submission & tracking	• End to end detailed exhibit submission capability and tracking	☑
	• Initial submission by form, manual or portal	☑
	• Controlled exhibit handling, continuity, bulk handling and auditing	☑
	• Exhibit status alerting	☑
	• Movement, sealing, exhibit bulk actions	☑
	• Risk scoring and SLA exhibit tracking	☑
Portal	• Dedicated light and Scalable Web portal	☑
	• Mobile App enabled	☑
	• Configurable fields dependent on requirements	☑
	• Enter once and information seamlessly carried through into the full application	☑
	• Touch screen design	☑
	• View cases and check the status of cases	☑
	• User aware	☑
	• List and view all cases assigned to user by status, date or Name	☑
	• View ongoing cases and add further information and requests	☑
	• Quickly and easily enter new case requests and submissions	☑
	• Editable drop-down menu items for efficiency	☑
	• Prioritise and submit	☑
	• Add extra information to a case remotely such as photos, documents and scene photographs	☑
	• Scene documentation or further case requests and information	☑
	• Enter a new request or case remotely	☑
	• Add exhibits, statements, case information, notes, locations, people of interest remotely	☑
Case Notation & Reporting	• Enter case notes at any screen	☑
	• Copy and paste external files, drag and drop, upload and screen grab to enter ready for reporting	☑
	• Create flexible or template reports	☑
	• Filter case notes by person, keyword, exhibit etc	☑
	• Export Case notes into reports by bulk or individual selection	☑
Action Management	• Bulk and individual tasking	☑
	• Task alerting internally or via email	☑
	• Design and build tasks into Workflows	☑
	• Manage tasks completion	☑
	• Escalate high priority tasks	☑
	• Assign, prioritise	☑
	• Graphical Kanban live action update dashboard	☑

	• Actions, sub actions, activity recording, add attachments	☑
	• Filter and search actions within the case	☑
	• Visualise Action trees	☑
	• Interact dynamically to see activity threads	☑
	• Show quickest routes between actions for evidential integrity	☑
Messaging and Notifications	• Instant chat messaging on a case per case or global use	☑
	• Invite users to private chat	☑
	• Export chat if needed	☑
	• Add Attachments, Images, documents	☑
	• Full notification ability	☑
	• Dynamic Notification dashboard	☑
	• 'New' icon flags new items for review	☑
	• Add actions directly from chat	☑
Security Management	• Unlimited role-based settings on a very granular level	☑
	• AD, LDAP or manual integration	☑
	• Regional settings enabled	☑
	• Page, document or folder total lock down security	☑
	• Allow regional settings between offices	☑
	• Allow access to different capability in the solution Case Management, Orchestration, QMS, Ticketing & Tasking	☑
	• Simple administration	☑
	• Encryption of data at rest and in transit	☑
	• Full environmental monitoring	☑
	• Monitor Processor performance	☑
	• Monitor Disk usage	☑
	• Monitor Memory usage	☑
	• Editable gauges to monitor any application or environment	☑
Operational Analytics	• Graphing to give Operational overview	☑
	• Instant visability into the Operation	☑
	• Can be designed to graph any content of the CMO	☑
	• Link operational elements to reveal patterns	☑
	• Intuitive colouring and icons humanise the links and visuals	☑
	• Custom build canvas graphs and export function	☑
	• Build user defined links and name them	☑
	• Add new or existing nodes to the canvas	☑
	• Export the canvas to svg for reports	☑
	• Colour the canvas nodes as required	☑
	• Tell the story of links through the canvas analytics	☑
	• Instant case analytics	☑
	• Show all dependency links of the case	☑
	• View detailed entity attributes	☑
	• Full picture of the case	☑
	• Timeline creation with flexible entry	☑
	• Add any detail from the case to the timeline	☑
	• Visually tell the story detailing sequential events	☑
	• Search, filter, highlight the timeline	☑
	• Focus in on connected timeline events	☑
	• Build multiple timelines to analyse different versions of events to highlight story flaws	☑

Workflow Management	• Custom creation workflow management	☑
	• Drag and drop building	☑
	• Map digital and investigation workflow into technology	☑
	• Build template simple design or complex workflow	☑
	• Orchestrate all workflows to work with your third party applications such as NUIX, Encase, FTK Griffeye or any other forensic technology	☑
	• Build once and use many times, share validated flows amongst the lab to enable all users	☑
	• No restrictions, works your way	☑
	• Run very complex flows in an auditable and repeatable way	☑
	• Share validated flows amongst the lab to enable all users	☑
DF Application Environment Monitoring	• Monitoring of 3rd party applications	☑
	• Continuous feed	☑
	• Error log parsing of 3rd party application to alert users	☑
	• Monitoring of hardware performance	☑
	• Monitoring of hardware and application error logs	☑
	• Correlate errors to give context	☑
	• Orchestrate remote workers	☑
	• Understand connectivity issues	☑
	• Alert users via email or SMS	☑
Orchestration	• Workflow & Automation framework	☑
	• Validation of assets against workflow	☑
	• Task scheduling and management	☑
	• Task and asset utilisation reporting designed	☑
	• Compound workflows and automation to Orchestrate the environment	☑
	• Queue workflows for continuous and efficient technology utilisation	☑
Integrated Quality Management System	• Workflow & Automation framework	☑
	• Validation of assets against workflow	☑
	• Task scheduling and management	☑
	• Task and asset utilisation reporting designed	☑
	• Audit schedules and assignment	☑
	• Audit risk matrix and management	☑
	• Templates and reporting	☑
	• Non-conformance investigation, actions and reporting	☑
	• Task management of non-conformances including, corrective, preventative and improvement actions	☑
	• Asset register	☑
	• Asset on-boarding and disposal	☑
	• Maintenance and licence scheduling	☑
	• Activity and utilisation tracking	☑
	• Personnel competency profiles and ranking	☑
	• Competency profiles cross referenced to task type and task permission	☑
	• Peer review functionality, reporting & task assignment	☑
	• Competency development planning	☑
	• Training calendar, scheduling and assignment	☑
	• Training tracking and completion	☑
	• Training performance	☑
	• Permission and versioning controls	☑
	• Auto Indexing	☑
	• Notification and distribution	☑

	• Access recording and reporting	☑
	• Document retention scheduling & compliance	☑
Integrated Learning Management System	• InLine web based LMS	☑
	• PPT's or courses converted into an online interactive Manual	☑ ☑
	• Video uploading for technical or training support	☑
	• Support manual integration	☑
	• Integrated QMS to update Competency and Training of staff	☑
	• InLine knowledge checks	☑
	• Practical assessment integration	☑
	• Scalable train the trainer approach	☑
	• Knowledge base capability	☑
	• SCORM & SCORMX compliant	☑
	• Build your own courses with ease	☑
	• Carry out assessments in line and auto update user competencies	☑
	• Embed videos, carry out practical exercises via Virtual machines	☑
	• Video, html, powerpoints etc	☑
Advanced Investigative Toolkit	• Elastic Search scalable foundation	☑
	• Machine learning for trends and anomaly detection	☑
	• AI for suggestive next steps and links into complex crimes (BRAIN)	☑ ☑
	• Integration of all disciplines for the investigation into one Investigative backbone	☑ ☑
	• Intelligence extraction to feed BRAIN from aggregated sources and internal/investigative data	☑ ☑
	• Compare case against case for similarities	☑
	• POLE driven super timeline of events	☑
	• Complex and organised crime Investigation framework	☑
Disclosure	• Updated workflow framework	☑
	• Compliance and control alerts	☑
	• Audit checklists and review	☑
	• Document templating & collaboration	☑
	• Deal with criminal or civil disclosure rules	☑
	• Assign used, unused, sensitive information	☑
	• Auditable and traceable Disclosure decisions	☑
	• Categorise investigator generated material	☑
	• Add statements, exhibits and other items	☑
	• Categorise legally privileged, used or unused, sensitive, non-sensitive, items in the disclosure list	☑
	• Disclosure Dashboard with search and filter to focus review	☑
	• Disclosure and document review platform	☑
	• View and filter listed items	☑
	• See if items have tags, comments, highlights, actions attributed	☑
	• OCR, annotate, highlight, comment, redact, tag, bulk action, categorise, hyperlink, transcribe and translate	☑
Case File Builder	• Digital case file builder	☑
	• Instantly populated from case information	☑
	• Any template can be used to populate in line	☑
	• All versions stored for reference	☑ ☑

	• Save, review and authorise before being published into case file	☑
	• Build a case file, decision, charging, full, any configuration and allow it to be viewed on mobile devices	☑
	• Drive paperless investigations and court reports	☑
Forensic Management Unit	• Manage all case submission and tasking allocations	☑
	• Design and build the forensic strategy	☑
	• Monitor the decision logs for the investigation	☑
	• Manage all elements of the investigation	☑
	• Resource allocation, budgets	☑
	• KPI dash boards on key stages	☑
	• Pull all elements of the investigation into one auditable framework	☑
		☑
	• Manage QMS and auditing capabilities	☑
	• Authorise cases after triage into full investigation	☑
	• FMU framework is extensible for future growth	☑
	• Manage forensic request and case queues, Triage, accept, reject submissions	☑
	• Append notes, documentation and actions to submissions	☑
	• Enhanced Dashboard configuration capability	☑
	• Management reporting from Dashboard	☑
Management Reporting	• Case weekly reports	☑
	• Automatically generated weekly or ad-hoc	☑
	• Report can be emailed or notification sent through the system	☑
	• Intelligent reports graphically show the delta in the case	☑
	• What new exhibits have been recorded	☑
	• How many actions completed,	☑
	• New case information added	☑
	• Report can be configured to any requirements	☑

THANK YOU

Finally, we would like to sincerely thank you for your interest in Black Rainbow's products, we are transforming forensic case management and would be delighted for you to be part of this change. Please do not hesitate to contact me or any member of the Black Rainbow Team to discuss how we can help your organisation enhance the way it carries out its requirements related to this field.

For further information or a demo please contact john.nassif@blackrainbow.com