

Lucion Unveils New NexGen Technology Transforming Industry Risk Management

6 months ago



[Lucion](#) has launched a major upgrade to its risk management platform, NexGen, a development set to transform how organisations manage environmental and safety risks.

Used across the UK by major hospitals, construction firms, universities and utilities providers, NexGen brings together data, compliance, and operational visibility in one secure, intelligent platform. The latest evolution, built in-house by Lucion's software engineering team, has been shaped by more than 13 years of real-world use and direct client feedback, delivering a simpler, faster, and more powerful way to manage risk.

"Our goal has always been simple. Make compliance easier without compromising on standards," said Paul Hayball, Software Engineering Director at Lucion, who led the platform's development. *"This is a huge advance for our clients and the industry, reinforcing our commitment to protecting people and the planet through smarter data."*

For sectors where safety, compliance, and operational efficiency are critical, the upgraded NexGen provides organisations with greater control and confidence over their estates and operations. Enhanced tools now give users a clear, real-time view of their compliance landscape, supporting asbestos and legionella management, radiation safety, hazardous materials tracking, and facilities compliance, all from a single platform. Contractors and external teams can also be granted instant, secure access to relevant site-specific data, helping projects run smoothly and safely.

"We're not just developing new software, we're redefining what compliance technology can do," added Hayball. *"By combining Lucion's scientific expertise with cutting-edge digital innovation, we're enabling*

our clients to make better decisions, faster, while strengthening their environmental and social impact.”

The upgraded system includes a completely redesigned interface that brings the most important information to the surface, giving users the ability to turn data into decisions quickly. Additionally, the new NexGen interface is designed for a seamless mobile experience, providing users with access to all their data at their fingertips.

New capabilities such as an interactive Services Map, enhanced Sites List, Risk Map, and improved Weekly Digest mean estate and facilities teams can identify potential issues sooner, act faster, and communicate more effectively with contractors and field teams.

Beta testing partners, including Mid Cheshire Hospitals NHS Foundation Trust, have already seen the benefits first-hand. Rob Lowe, Capital Project Manager (RAAC, Asbestos & CDM) at Mid Cheshire Hospitals NHS Foundation Trust, said, *“The new NexGen portal represents a significant advancement in how we manage our compliance data. The modern, intuitive interface is a massive upgrade, and the dashboard’s six-tile layout provides exactly what we need for our board reporting requirements. The system’s enhanced tracking capabilities allow us to monitor changes efficiently, with the data intelligence providing precise insights into our compliance journey.*

One of the standout features is the ‘My Jobs & Reports’ section, which provides clear visibility of upcoming work, ensuring nothing falls through the cracks. The user experience is notably improved, making data management and reporting more efficient than ever. NexGen as a platform is a game-changer for our compliance management processes, delivering exactly what we needed in terms of functionality, accessibility, and user experience.”

The timing of the NexGen launch is particularly crucial as the UK pursues its Net Zero targets. Retrofit and sustainable development programmes, while essential for a sustainable future, create additional complexities, especially in asbestos management. *“Every time companies look to expand their current buildings or retrofit to meet new regulations, we’re potentially disturbing materials that have been undisturbed for decades.”* said Frank Morsman, Client Relationship Manager for asbestos compliance at Lucion Hazardous Materials Services

“Having proper documentation, historical reference, and real-time risk tracking is crucial for improved risk management, allowing coordinated works that minimise operational disruption. The upcoming platform launch will be a game-changer for our clients across all sectors,” added Frank. *“The new design of the NexGen dashboard surfaces data and facilitates the ability to track degradation patterns over time and spot emerging risks before they become critical incidents.”*

One of the most significant advances is the introduction of NexGenAI, Lucion’s secure in-house artificial intelligence engine. Developed in response to client demand for smarter analytics, NexGenAI delivers AI-driven insights, automated reporting, and actionable risk intelligence entirely within Lucion’s protected AWS infrastructure. Following Lucion’s success in the AWS Generative AI Hackathon in late 2024, the team has built a solution where client data remains encrypted and is never retained, shared, or used for model training, combining innovation with uncompromising data protection.

With QR code integration for real-time access in the field and upcoming advancements in 3D modelling and GIS mapping, NexGen is designed for the future of compliance. From managing large hospital sites,

coordinating asbestos removal on construction projects, to monitoring safety and environmental data across transport and infrastructure networks, NexGen provides clarity, transparency, and operational efficiency for organisations.

“With NexGen, we are equipping organisations with the tools they need to act responsibly, streamline operations, and meet environmental and safety obligations with confidence.” Hayball concluded “This upgrade sets a new benchmark in risk management, showing how technology can protect people, improve efficiency, and support sustainable operations.”

With the upgraded NexGen, Lucion is not only supporting compliance today but shaping safer, smarter, and more sustainable operations for the future, setting a new benchmark for how organisations manage risk and protect people and the planet.