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IBM Gold Business Partner

How Fingertip can help Life Sciences organisations to improve safety

Enforcing safety-critical processes in your workplace with Fingertip

IBM maximo

Fingertip®
Knowledge where it's needed

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Life Sciences organisations often have to work with volatile compounds, and manage risk in a manufacturing environment. The health and safety of colleagues and the public is paramount.

Life Sciences organisations often have to work with volatile compounds and strive to manage risk in a process manufacturing environment. The health and safety of scientists, researchers and assistants in laboratories and/or manufacturing sites is therefore a first priority, as is the safety of the general public, achieved through Good Manufacturing Practice (GxP). Life Sciences companies must do more than reduce safety incidents: they must strive to eradicate accidents altogether.

This safety optimisation can be achieved when life sciences businesses assess risk, apply appropriate controls through process, and prevent incidents. If incidents do happen, this is then followed up with post-incident mitigation to ensure lessons have been learned and hazards are avoided in future.

Peacock Engineering's Fingertip mobile solution, working in conjunction with IBM Maximo, has optional add-on features (as well as a core framework) that enables life sciences companies to:

- Enforce safety processes at the point-of-execution
- Guarantee regulatory compliance
- Ensure a full digital authorisation trail, with e-signature(s)
- Complete calibration with maximum accuracy
- Make validation easier to prepare and execute
- Improve risk management by tracking all assets and work

Fingertip is designed to safely operate in explosive environments, so engineers can report and work in real-time. For example, Fingertip can run on Aegex10 Intrinsically Safe Tablets, which are globally certified for UL Class I Division 1 and ATEX/IECEx Zone 1 hazardous locations.

Fingertip also allows your organisation to have one central database – and therefore 'one version of the truth' with regards to asset data – rather than a separate asset management system and computerised ATEX system. This data consistency will help to avoid safety incidents caused by misinformation.

Peacock Engineering have a comprehensive track record helping industry-leading life sciences businesses to improve safety using the Fingertip mobile solution.

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Fingertip HSQE Management Module

Fingertip comes with an optional HSQE Management module, which enables your life sciences business to enforce risk assessment procedures at the point of execution using configurable mobile forms, and ensure all equipment and machinery is safe to use, every day. Furthermore, the HSQE module ensures that you keep a real-time digital record of all safety incidents, wherever they happen. The module's key features include:

- Risk Assessments
- Safety Observations
- Accident & Incident Reporting

These functionalities are all entirely paper-free and digitally recorded.

Accident and Incident Reporting includes details of injury, damage, witnesses and conditions. Safety Observations also includes the ability to add Maximo location data, Maximo work logs, images and other attachments. The HSQE module's safety observation feature can be used in conjunction with Fingertip's Mobile Forms capabilities, to ensure that full risk assessments are completed and recorded before work can commence, and therefore accidents do not occur.

Full Digital Authorisation

Appropriate authorisation for change is an important part of the implementation of process to prevent incidents and avoid potential hazards. In a manufacturing environment with tight deadlines, achieving adherence to these processes can be difficult, especially if work completion is paper-based.

Fingertip features digital authorisations to enable good process adherence and provide technicians with a rapid ability to get authorisations as required, without incurring delays to their schedule.

Furthermore, it is critical that life sciences organisations document all software validation and retain it for inspection. IBM Maximo retains all your data in the system by default, and ensures it is accessible in hazardous environments and when working without internet connectivity through Fingertip. This means that your data will be:

- Completely accurate
- Traceable to specific dates
- Matched with staff e-signatures where these have been configured for you

By employing e-audit and e-signature capability, this audit trail is enhanced by capturing Title 21 CFR Part 11 compliant data about specific fields and records of interest. As a result, your life sciences business will be capturing details of records that support reviews of data integrity and its validation status.

Users will also have the benefit of being able to interrogate this data, while having precise, 'live' data that confidently supports their operational activities.

Fingertip uses the same tried and tested practices of IBM Maximo, for a seamlessly integrated solution. This tight integration means that data can be captured and shared in real-time, across both platforms which helps you to simplify data capture and improve data quality, which reduces the likelihood of inaccurate asset data leading to an unforeseen accident.

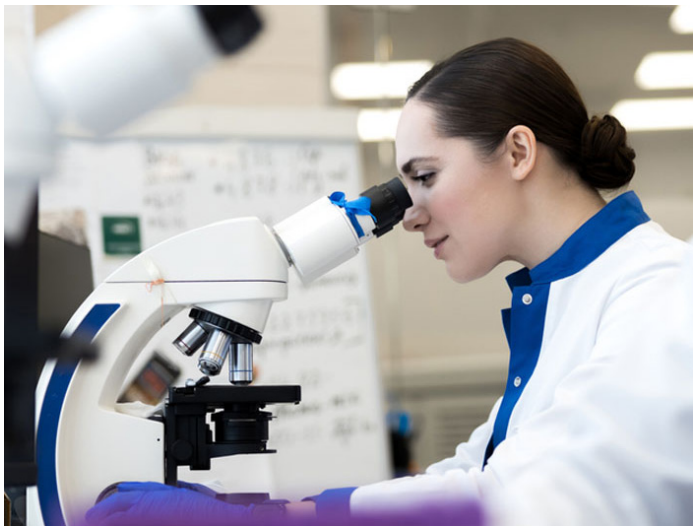
Precise calibration becomes much easier

Fingertip comes with an optional Calibration add-on module, which makes precise calibration much easier for your life sciences organisation. Now mobile users can go through a complete calibration sequence without returning to their desk. All the calibration steps are stored in Maximo, and the calibration history of the asset is available in Fingertip.

Fingertip's Calibration module can:

- Undertake calibration activities at the equipment location – no need to return to base
- Fully record every stage of the calibration process, & give you the results
- Automatically sync with Maximo
- Support Analog and Discrete calibration points
- Work offline – ideal for hazardous or volatile environments

Fingertip keeps a record of the whole calibration process, with a hard signature, as part of your digital audit trail.



Improve process safety compliance

Fingertip can dynamically trigger risk assessments (with an interlock to work process) for different types of work. It can also mandate key data collection in the work process, with assurance that data will not be changed during transcription or recollection, reducing the chance of error. Furthermore, workflows and authorisations supporting key safety processes are more achievable without paper, which is an added benefit of Fingertip's paper-free setup. Location services provide detailed engineer location and can be combined with lone worker protections to improve safety processes.

Compliance with all life sciences industry standards

Fingertip has been designed to enable easier compliance with all major life sciences industry standards. This includes any of (but not limited to) the following:

- FDA Title 21 CFR part 11
- GAMP
- MHRA (Regulating Medicines and Medical Devices).
- Health Products and Regulatory Authority (HPRA)
- EU Annexe 11
- Irish Health Products Regulatory Authority
- International Society of Pharmaceutical Engineers (ISPE) Good Automated Manufacturing Practice (GAMP 5) regulations, rules and guidance

Improve safety in Life Sciences using Fingertip

Many of Peacock Engineering's experienced engineering and IT professionals provide a capability beyond software functional knowledge. We can relate the software and systems' capabilities to your actual business safety needs. This ensures that our solutions achieve true and lasting health and safety benefits for your life sciences business.

Peacock Engineering are proud to be working alongside industry-leading life sciences organisations, including:

- MeiraGTx
- Recipharm AB
- Guerbet
- PCI Pharma
- Nippon Gohsei

Peacock Engineering's Fingertip mobile solution for IBM Maximo is used by many life sciences organisations. With its real-time link with Maximo, it is ideal for enforcing safety-critical processes.

For a conversation or demonstration about how we can help your life sciences organisation improve safety using Fingertip, contact us on **+44(0)20 3356 9629** or email **info@peluk.org**

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About Peacock Engineering

Peacock Engineering Ltd was established to deliver a diverse range of Asset and Service Management solutions to asset intensive industries.

Our consulting team is made up of long standing IBM Maximo professionals, each with an average of 12 years' experience in the product and who, together, have amassed over 400 man-years of Maximo systems implementation experience.

From this knowledge and practical application, a proven and trusted process-driven methodology has emerged. With the methodology in place, the ongoing challenge is to improve delivery efficiency and provide affordable solutions, using a mix of services and systems provisioning models, to meet a broad range of industry verticals.