



[FP]-LIMS

APPLICATION

Laboratory Information Management System

COMPANY

Fink & Partner GmbH

GENRE

Analysis

TOOL USED

Delphi

NO LIMITS WITH [FP]-LIMS

Laboratory intelligence made with Delphi

THE COMPANY

Fink & Partner GmbH is an owner-managed German software company that has specialized in laboratory information and management systems (LIMS) for over three decades. The company was founded in 1992 with the aim of making laboratory processes more efficient, transparent, and digital—as a response to often error-prone Excel solutions and manual work processes.

With its FP-LIMS solution (formerly DIA or DIA2000), Fink & Partner has created a scalable and highly customizable software platform that is used worldwide in laboratories across a wide range of industries, from metal and chemical manufacturing to automotive production.

THE CHALLENGE

Today's laboratories face a multitude of challenges: huge amounts of data, heterogeneous measuring devices, changing compliance requirements, and the need for transparent, auditable processes. Traditional methods such as handwritten logs and Excel spreadsheets quickly reach their limits, lead to errors, and slow down efficiency.



[FP]-LIMS



**Fink & Partner recognized that many laboratories needed software that does many things:**

- Centralizes all data instead of leaving it in isolated solutions
- Integrates measuring devices from a wide range of manufacturers
- Automates routine tasks
- Creates transparency, traceability, and quality planning with regular analyses

It was an additional challenge for the developers to create a system that was stable and scalable and that could be tailored to different customer requirements.

One key requirement was the easy integration of all necessary components into a single application in order to make licensing and installation clear and simple. The requirements of various hardware manufacturers also had to be taken into account so that these could be bundled with the measuring tools as an OEM version.

What sets us apart is flexibility. We deliver standardized, release-ready software that can be configured to suit a wide variety of laboratories. Delphi helps us keep this complexity manageable and deliver a robust product.

Philip Mörke
CEO at Fink & Partner GmbH

Einträge: 3 Markiert: 1 Anmeldung: SUPERVISOR Terminal: 1 Letzte Änderung: 05.07.24 11:59, Supervisor



THE APPLICATION

[FP]-LIMS is a modern laboratory information and management system that addresses these challenges on a technical and functional level. The software has a modular structure and can be tailored precisely to the needs of a laboratory—from basic functions for small facilities to professional versions for international corporations. Modules for test-order management, recipe management, and an electronic laboratory emergency call system have been added, among other things.

Key features of [FP]-LIMS:

- **Centralized data management:** All lab-specific data—from samples and methods to results—is managed on a shared platform, eliminating data silos and meeting integrity requirements.
- **Scalability and flexibility:** The LIMS software grows with your company, can be expanded in a modular fashion, and adapts to changing requirements.
- **Integrated device interfaces:** Measuring devices from different manufacturers can be connected directly so that data is automatically collected and processed.
- **Transparency, traceability, and quality control:** Complete audit trails ensure the traceability of all work steps—a must for compliance in regulated industries.
- **Easy to get started and customize:** [FP]-LIMS can be quickly put into operation and expanded step by step.

One particularly positive aspect for developers is the choice of development environment: the software was developed using Delphi, a powerful RAD platform that has been established for many years. This decision not only provides the team with a stable and high-performance code base but also facilitates long-term maintenance and expansion of the software.

Thanks to Delphi, [FP]-LIMS developers can respond quickly to requirements, create new modules, and maintain high code quality at the same time—an advantage that is directly reflected in the further development of the software. Another major advantage is the creation of compiled .EXE files, which then activate the modules only via license keys.

Thanks to the flexibility and quick adaptability of the application, [FP]-LIMS can be used in a wide variety of laboratories, such as those in the metal, glass, automotive, mining, and chemical industries, and many others.

For over 25 years, **the Delphi programming language has formed a solid foundation for the development of our [FP]-LIMS product.** The backward compatibility of the language, which reliably executes legacy code even on Windows 11, is particularly valuable. Another plus point is the strong community behind Delphi, which regularly exchanges ideas at events. As software in the quality environment, we also greatly appreciate the direct contact with support.

Philipp Heimes
Head of Development at Fink & Partner GmbH





CONCLUSION

[FP]-LIMS connects more than just laboratory processes with modern software—it creates a digital laboratory platform that sustainably increases efficiency, quality assurance, and transparency.

The use of Delphi is a high priority for the development team at Fink & Partner. It enables solid, maintainable, and largely platform-independent software development that is prepared for both today's requirements and future challenges. In particular, rapid adaptation to new specifications or new analyzers with modified sensors is a challenge that Delphi is perfectly suited to solve. The use of Delphi therefore contributes significantly to making [FP]-LIMS an adaptable and future-proof LIMS solution.

[Visit the website for more info!](#)

The screenshot shows the 'FP Filter' application window with the following configuration:

- Name:** Aktuelle Analysen (3 Monate)
- Kommentar:** Filter die Analysen der letzten 3 Monate.
- Max. Anzahl von Datensätzen:** 0
- Zugriffsmodus:** Öffentlich (selected), Nur lesen, Privat
- Benutzer/Benutzergruppe:** Laborleitung, Schichtleiter
- Abteilungen:** (empty)
- sortiere ...:** (empty)
- Standardansicht:** Start
- Bedingungen:**

Feldname	Operator	Wert	Zeit	Ignoriere Groß-/Kleinschreibung	Öffentl. Name
Kommentar...					
Datum/Zeit	Maximales Alter (Monate)	3		<input type="checkbox"/>	
AND					
Kommentar...					
Abteilung	=	Labor		<input type="checkbox"/>	
OR					
Abteilung	=	Produktion		<input type="checkbox"/>	