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## Background and Motivation

### WHY LABORATORY DIGITALIZATION?

In today's digital age, laboratories face the challenge of keeping up with rapid technological advancements. Digitalization offers labs the opportunity to streamline processes, enhance data integrity, and ensure compliance with regulatory standards. By embracing digital transformation, labs can optimize their operations, reduce errors, and make data-driven decisions.

### WHAT IS A DIGITAL LABORATORY?

A digital laboratory leverages modern technologies and software solutions to transform and automate traditional lab processes. It facilitates efficient data capture, analysis, and communication, enhancing productivity and minimizing human errors. Such a lab is not only future-oriented but also flexible and adaptable to evolving requirements.

### UNDERSTANDING LIMS

LIMS, or Laboratory Information Management System, is a software solution designed to manage and organize laboratory data. It acts as the central hub for all laboratory operations, from sample tracking to report generation.

### WHAT SHOULD A "GOOD" LIMS OFFER?

A LIMS should provide a comprehensive solution for labs, including sample management, workflow automation, data analysis, and report generation. It should also ensure data integrity, compliance with regulatory standards, and seamless integration with other lab systems.

### WHY LIMS?

LIMS streamlines laboratory processes, ensuring efficient data management, reducing manual errors, and providing real-time insights. It's an essential tool for labs aiming for operational excellence.

### UNDERSTANDING ELN

ELN, or Electronic Lab Notebook, is a digital platform for documenting, storing, and sharing laboratory data. Unlike traditional paper notebooks, ELN offers enhanced data security, easy retrieval, and collaboration features.

### WHAT IS MES?

MES, or Manufacturing Execution System, is a system that manages and monitors work processes on the factory floor. It bridges the gap between planning systems and actual production, ensuring efficiency and quality in manufacturing processes.

### WHAT CAN A MES DO?

MES can track real-time production data, monitor equipment performance, manage product quality, and ensure compliance with manufacturing standards. It's a crucial tool for industries aiming for manufacturing excellence.

**STARTING WITH LABORATORY DIGITALIZATION NOW!**

The journey to laboratory digitalization begins with understanding the lab's unique needs, challenges, and goals. It's essential to assess current processes, identify areas for improvement, and choose the right digital tools to address these needs.

**THE IMPORTANCE OF EXPERT CONSULTATION**

Choosing the right digital solution can be overwhelming. Expert consultation ensures that labs select the most suitable tools, tailored to their specific needs, ensuring a smooth and successful digital transformation.

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Lab Goes Digital with ApiThinking  
— Your Professional Partner

 LOCATED in Mainz, Germany

 MARKET PRESENCE since 2017

 SERVICES:

- Laboratory IT Consulting and Services
- Computer System Validation
- Data Science

-  AUTHENTIC
-  PROFESSIONAL
-  INDIVIDUAL

**HOW APITHINKING ADDS VALUE**

ApiThinking, with its unique blend of management, technology consulting, and IT services, offers a holistic approach to laboratory digitalization. Our team, consisting of both natural scientists and IT experts, understands the intricate needs of labs, ensuring a seamless digital transition. With our customer-centric approach, we offer tailored solutions, ensuring labs reap the maximum benefits of digitalization.

**A GLIMPSE INTO OUR HISTORY**

ApiThinking's journey began in 2017 in Mainz as a precursor to the current company. Motivated by the desire to offer a different kind of consultancy - one that's honest, close to the customer, and authentic - the company thrived. Recognizing its growth and success, it transformed into a GmbH in 2021, continuing its mission of offering unparalleled services in the realm of laboratory digitalization.

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## Customer Testimonials

### ALEXANDER I.

*"I've repeatedly utilized ApiThinking's IT-Consulting services during my tenure at a global pharmaceutical company and have always been extremely satisfied! ... The high standard of their work and cost-effective implementation clearly sets ApiThinking apart from the often-used offshore outsourcing. Thank you!"*

### ARON Z.

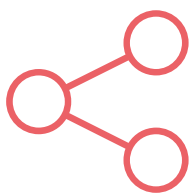
*"We appreciate the friendly working atmosphere as a client. We've had the opportunity to experience the company's strengths in areas like requirement management, project support, and documentation. Collaborations have been both on-site and online."*

### ANDREAS Z.

*"Like my predecessor, I too work in the pharmaceutical industry and have collaborated with ApiThinking on several global projects. Their meticulous and detailed immersion into the subject matter ensured that the compilation of requirement specifications was top-notch. Transparent communication, outstanding expertise, and the ability to compare with other (larger) providers are worth mentioning. We will gladly turn to Mr. Axinte and his team again."*

### DIETRICH G.

*"Raoul worked for over two and a half years on an interdisciplinary, cross-company LIMS project at [our company] ... He's both an excellent team player and a leader."*



### CONTACT US NOW

Take the first step towards digitizing your lab!

Visit our website [www.apithinking.de](http://www.apithinking.de) and fill out the contact form with a precise description of your challenge. We'll get back to you promptly and offer a complimentary 30-minute online call to discuss the next steps. Alternatively, simply scan the QR code to go directly to our website.





## FREQUENTLY ASKED QUESTIONS

### FAQ

Is ApiThinking GmbH a LIMS manufacturer?

No, we are a completely vendor-neutral and independent consulting firm, offering management consulting and professional services in the field of laboratory digitalization and closely related topics.

Does ApiThinking GmbH also offer Development Services?

Yes, we provide tailored Development Services in the areas of laboratory digitalization, reporting, software interfaces, and Data Science. For a customized offer, a thorough analysis of your requirements is essential beforehand.

Does ApiThinking GmbH assist us in our LIMS software evaluation (RFI/RFP/RFQ)?

Yes, we provide comprehensive support for your software evaluation. This includes the Request for Information (RFI), the Request for Proposal (RFP), and the Request for Quotation (RFQ) for your new LIMS. [Learn more.](#)

Before starting the selection process, we recommend an intensive analysis of your requirements and the creation of a digitalization strategy with a timeline. Initially, we use the more general term "laboratory digitalization solution" instead of committing to a specific software class like LIMS. For instance, during the requirement gathering phase, it might become apparent that you need an Electronic Lab Notebook (ELN) in addition to a LIMS. In such cases, we assist you not only in LIMS selection but also in choosing other systems like ELN, MES (Manufacturing Execution System), and SDMS (Scientific Data Management System). Our mission is to holistically view and optimize your entire laboratory software landscape.

#### IMPRINT

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