

# MATESO GmbH

Partnering with Synopsys to assure the security of Password Safe



**MATESO**  
PASSWORD SAFE

## Company Overview

MATESO is an innovative German company that provides an advanced solution, Password Safe, for managing identities, passwords, and documents safely. Companies worldwide, including 20 of the top 30 German companies trading on the Frankfurt Stock Exchange, use MATESO's Password Safe solution to protect their data and systems.

Recognizing the need for enterprise-level password management, the managing director of MATESO, Thomas Malchar, developed a complete enterprise password management solution, making secure access to sensitive data easier, increasing corporate security, and improving employee efficiency.

MATESO's high security standards are reinforced by regular third-party external audits, including penetration testing, to identify and resolve security gaps.

## The challenge: Strenuous security testing from a trusted partner

Sascha Martens, chief technology officer and cyber security evangelist at MATESO, noted, "For us, security is not just an option. It is a promise we make to our customers, and we work hard every day to keep that promise."

To assure the ongoing security of its flagship Password Safe solution, MATESO wanted to partner with a world-class application security company whose evaluation both MATESO and its customers could trust. The company turned to Synopsys, the 2020 leader for [application security testing](#) in Gartner's Magic Quadrant. Synopsys helps companies worldwide manage software security and code quality risks.

"Our latest version of Password Safe includes many new features," said Martens. "It was important that both the web application client and the thick client side were strenuously tested to minimize risk for our customers. Our goal was to find and eliminate vulnerabilities as well as to receive detailed reports and practicable remediation guidance that we could build on as needed. Synopsys has the extensive, in-depth application security testing experience and know-how we needed."

## The solution: Professional services penetration testing from Synopsys

A penetration test is an authorized simulated attack performed on a computer system to evaluate its security. Penetration testers use the same tools, techniques, and processes as attackers to find and demonstrate the business impacts of weaknesses in systems.

Penetration tests usually simulate a variety of different attacks that could threaten a business. A [penetration test](#) might examine whether a system is robust enough to resist attacks from authenticated and unauthenticated positions, as well as from a range of system roles. With the right scope, a penetration test can dive into any aspect of a system.

Synopsys [professional services penetration testing](#) enables companies like MATESO to tailor the assessments based on their current needs to systematically find and eliminate potential business-critical vulnerabilities in their running applications. Synopsys consultants use a variety of testing tools and in-depth manual tests focused on finding vulnerabilities. Customers can select from multiple levels of penetration testing assessments in order to get the true testing they need based on the risk profile of each application.

*“Our goal was to find and eliminate business-critical vulnerabilities as well as to receive practicable remediation guidance that we could build on as needed.”*

—Sascha Martens, CTO, MATESO

Synopsys’ blended manual and tool-based assessment approach includes a thorough analysis of results, detailed reporting, and actionable remediation guidance. At the end of each assessment, Synopsys experts conduct a call with the client’s development/security team to detail each vulnerability identified during the assessment, answer the team’s questions, and discuss actionable mitigation and remediation strategies.

## The results: Thorough analysis, actionable results for MATESO

“Synopsys identified that our security controls for Password Safe were effective in resisting common attack patterns like input validation attacks and confidentiality breaches,” said Martens. “The penetration testing process was very well-structured and planned out. Before and during the test, we had a communication channel open with a short time to react, and Synopsys kept MATESO updated on their progress. Thanks to a thorough scoping of our application environment and detailed preparation, Synopsys was able to deliver a report in about two and a half weeks.”

“One of the benefits of that report was action recommendations that the Synopsys consultants went over in detail with our team in their follow-up meeting. We were very impressed by the consultants’ professionalism, work ethos, and methods. Synopsys is definitely a candidate MATESO would call on for further penetration tests,” said Martens.

## The Synopsys difference

Synopsys helps development teams build secure, high-quality software, minimizing risks while maximizing speed and productivity. Synopsys, a recognized leader in application security, provides static analysis, software composition analysis, and dynamic analysis solutions that enable teams to quickly find and fix vulnerabilities and defects in proprietary code, open source components, and application behavior.

For more information about the Synopsys Software Integrity Group, visit us online at [www.synopsys.com/software](http://www.synopsys.com/software).

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