



CodeProfiler protects The Linde Group, Gases Division

About The Linde Group

The Linde Group is a world-leading gases and engineering company with around 48,700 employees working in more than 100 countries worldwide. In the 2010 financial year, it achieved sales of EUR 12.868 bn. The strategy of The Linde Group is geared towards long-term profitable growth and focuses on the expansion of its international business with forward-looking products and services. Linde acts responsibly towards its shareholders, business partners, employees, society and the environment – in every one of its business areas, regions and locations across the globe. Linde is committed to technologies and products that unite the goals of customer value and sustainable development.

Working Together

The Linde Group has been a Virtual Forge customer since 2010. “We first established contact with Linde at a Virtual Forge customer event, where we presented our approach”, explains Virtual Forge CEO Dr. Markus Schumacher. Ever since then, there has been a regular exchange about using and improving the tool with Linde’s development manager for SAP applications. “It’s a mutual contribution leading to mutual benefit”, Schumacher describes the relationship.

CodeProfiler ensures Quality

For a world leader such as Linde, quality is especially important – for its products and services, but also for manufacturing practices and management processes. „In the best interest of security, customer satisfaction and entrepreneurial excellence, Linde adheres to all government rules and regulations regarding the security and functional efficiency of its products and production facilities“, explains Wolf Paravincini, team lead for SAP application development at Linde. “As a supplier of medicinal gases, we have to adhere to the procedural regulations established by agencies such as the European Medicines Agency or the US Food and Drug Administration (FDA)”. Linde has set up a worldwide compliance organization to ensure that legal regulations as well as voluntary policies are met.

THE LINDE GROUP



“It’s very important for us to maintain full control over our coding. To increase the effectiveness and efficiency of our system development at Linde, we mainly work with external ABAP developers. Ever since we’ve been using CodeProfiler, the developers have become more aware and are delivering better quality code.”



Stephan Sachs, Manager for Application Security & Enterprise Content Management (ECM) / Archiving



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Quality, Security and Compliance

Quality, security and compliance are also important topics when it comes to the software used at Linde. The company runs numerous SAP applications, among them SAP ERP, SAP BI, SAP CRM, SAP Business Objects GRC solutions, and SAP NetWeaver Identity Management. To increase effectiveness and efficiency, Linde mainly works with external ABAP developers. Keeping full control over its system development is a major concern for the company, especially in regards to the ERP system, Linde's business backbone. Using the ABAP guidelines provided by Virtual Forge, Linde has been able to refine its development standards and, with the help of CodeProfiler, maintain full control over its code. "We're extremely happy with CodeProfiler", says Stephan Sachs, Manager for Application Security and Enterprise Content Management. "The tool can easily be integrated into existing development processes, delivers quick results, and minimizes the risk related to malicious code". Linde is very interested in further enhancements of CodeProfiler. "The company wants to extend its usage of the tool", Schumacher confirms.

CodeProfiler Benefits

Efficiency: CodeProfiler allows for an automated ABAP analysis that effectively fulfills the quality requirements of Linde and its customers.

Control: With the help of CodeProfiler, Linde can ensure highest quality standards when cooperating with external ABAP developers.

Governance: CodeProfiler provides automated compliance checks that meet the company's requirements and process standards. Quality is integrated into the development process and not the result of arbitrary actions.

Cost Savings: CodeProfiler reduces the risk related to malicious code and minimizes the time needed for code inspection and debugging. A quality investment that pays: Today, CodeProfiler is an established quality assurance tool at Linde.

The Linde Group uses the following Virtual Forge Products

- ✓ CodeProfiler for Security & Compliance
- ✓ Coding Guidelines for ABAP & JAVA

About Virtual Forge

Virtual Forge GmbH is an independent security product company based in Heidelberg, Germany. Our employees are leading experts in the area of SAP application security. Our unique ABAP security knowledge has been captured into CodeProfiler, the first static code analysis tool with data- and control-flow capabilities for ABAP security and compliance testing. CodeProfiler and related products of our ABAP security suite enable companies to develop business applications that meet state of the art security and compliance standards. Worldwide, companies running SAP have improved their ABAP development life-cycle with Virtual Forge's ABAP security suite. Our solutions are applied in industries such as defense, pharmaceuticals, chemical industry, banking, oil & gas, automotive, engineering, steel industry health care, agriculture, and insurance. SAP has licensed CodeProfiler for its internal quality assurance for improving the quality of the SAP standard code.



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