

Gepard

USE OF PIM FOR HEATING AND RENEWABLE ENERGY INDUSTRY

Automated Data Exchange with EPREL + Product
Data Syndication



ABOUT CLIENT

Stiebel Eltron, founded in 1924 by Dr. Theodor Stiebel in Berlin, Germany, boasts a rich history of innovation in heating and renewable energy technologies. From its humble beginnings as a manufacturer of coil immersion heaters, the company has evolved into a global leader in green energy solutions, producing ground-breaking products such as heat pumps and ventilation systems. With a commitment to sustainability and technological advancement, Stiebel Eltron continues to create and grow the industry, driving towards a greener future.

PROJECT OBJECTIVES

The primary objective of the collaboration between Stiebel Eltron and Gepard PIM is to ensure seamless compliance with EPREL database regulations. Moreover, we are now setting up a product data syndication process to distribute data to diverse sales channels (FABdis, Amazon & BMECat). Digging deeper, we can underscore objectives such as:

- Streamline product data uploading and updating into the EPREL database via automated SAP Hybris integration.
- Demonstrate commitment to regulatory standards and customer transparency through QR codes and labeling for EPREL compliance.
- Leverage Gepard's expertise for efficient and error-free data management.



PROJECT DEVELOPMENT TIMELINE

Proof of Concept (PoC)

In this stage, we conduct a feasibility test of EPREL database integration to address Stiebel Eltron's needs. The goals of the PoC phase are for STIEBEL ELTRON to:

Test the feasibility and viability of the integration to the EPREL database before fully implementing it;

Reduce the risk and validate the effectiveness of the integration in meeting STIEBEL ELTRON's specific needs and requirements.

By conducting this phase, the client had the opportunity to make informed decisions on the integration's implementation and ensure its success.

During this phase

- 1** We established a system-to-system (S2S) connection between Stiebel Eltron's EPREL account and Gepard for an acceptance environment:
 - prepared S2S registration form
 - prepared PKI certificate guide
 - setup Domibus domain with CSR (certificate signing request).
- 2** We also activated (validator, XML schema) one EPREL category — Space Heater Version.
- 3** Gepard Team imported **50 already registered products** in "published" status from the Space Heater Version category file into Gepard.

Challenge: Our goal is to reduce risk and validate integration effectiveness before full implementation.

Solution: We collaborate closely with STIEBEL ELTRON to ensure the integration meets their specific requirements.

Duration: 2-3 weeks

Discovery Phase

At this early stage of client onboarding, we collaborate with Stiebel Eltron to clarify detailed integration requirements and facilitate a smooth onboarding process onto the platform.

This phase is aimed at:

Clarifying and agreeing on low-level requirements for SAP Hybris integration: communication protocols, data formats, data transformations needed, etc.;

Collecting more precise information and reviewing the scope baseline if necessary;

Establishing the processes between Gepard and STIEBEL ELTRON teams, and communication channels;

Adjusting the engagement process on both sides to ensure maximum efficiency;

Defining a more specific project roadmap and milestones.

Challenge: Our goal is to reduce risk and validate integration effectiveness before full implementation.

Solution: We collaborate closely with STIEBEL ELTRON to ensure the integration meets their specific requirements.

Duration: 2 weeks

Implementation Stage

Here, we deliver main system components and execute the integration scope, including establishing system-to-system connections and importing existing & new products. The goal is to move at full speed with tenant activation, connectors implementation, setup configurations, and EPREL categories activation.

We activated 6 categories (Space heaters, Air conditioners, Residential ventilation units, Temperature controls for space heaters, Water heaters, Hot water storage tanks for water heaters), following all the up-to-date requirements of Eprel.

Challenge: Setting up a seamless connection between our system and Stiebel Eltron EPREL account.

Solution: We meticulously perform project setup, activate categories on EPREL, and build connectors to ensure smooth integration.

Duration: from 2 months

Future Development

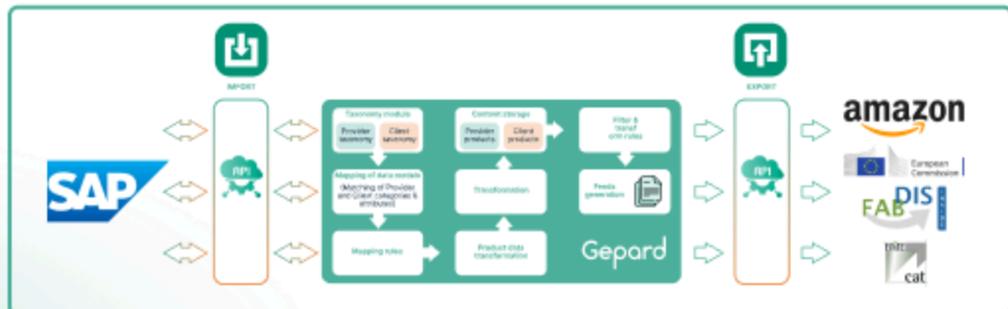
After delivery of the EPREL connector Stiebel Eltron and Gepard proceed with the Future development phase of the project. It involves the implementation of additional connectors, further enhancements, and customizations, such as:

Amazon connector (for product listing);

Support of the FAB-DIS data exchange format and data transformation according to the requirements;

Support of the BMEcat data exchange format and data transformation.

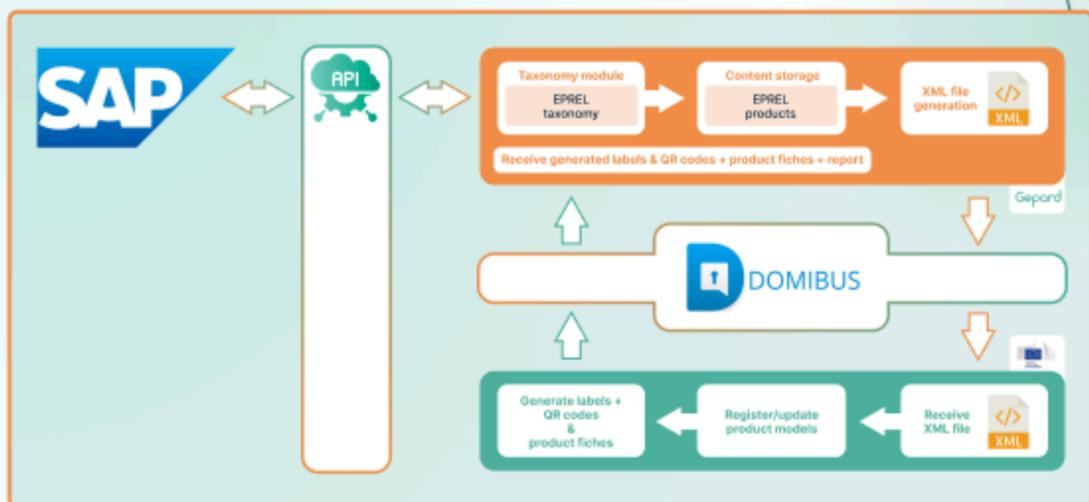
Below you can see an example of how Gepard fits into the Stiebel Eltron IT infrastructure and a high-level product information flow and data transformations that can be supported by the Gepard platform.



Challenge: Integrating the Amazon connector, FAB-DIS, BMEcat data exchange formats, and more into the existing IT infrastructure.

Solution: With pre-set Gepard PIM connectors, the client facilitates seamless integration with their environment and efficient data transformation.

HOW IT WORKS



We facilitate the automatic upload of registration/updated data and products from SAP Hybris to the Gepard platform through our dedicated connector.

1

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4

5

Once the registration/updated data is validated, we seamlessly push it to Stiebel Eltron's EPREL account for compliance

Within the Gepard platform, we apply validation rules to ensure alignment with EPREL requirements regarding taxonomy and products, in collaboration with Stiebel Eltron.

Subsequently, we generate labels, QR codes, and product fiches within the Gepard platform, adhering to the required standards.

Stiebel Eltron then receives the generated labels, QR codes, product fiches, and comprehensive reports.

ADDRESSING TECHNICAL CHALLENGES

Challenges	Challenge Description	Solution
Ability to export registration data from Stiebel Eltron's SAP Hybris to ensure later automated upload ERP/EL	Stiebel Eltron requires seamless integration between their PIM system and the Gepard platform to ensure accurate data import for automated registration.	Gepard ensures integration with the EPREL database and client's PIM, guaranteeing accurate and timely updates of product data according to regulatory requirements. This enables Stiebel to continuously update products in EPREL.
Auto-upload products for registration and updates into the EPREL database	Stiebel Eltron seeks automated processes for importing and updating product information in the EPREL database, reducing manual effort and potential errors.	Gepard provides simplified automation, allowing Stiebel Eltron to effortlessly import and upload product data into the EPREL database, minimizing manual effort and potential errors in data management.
Get energy labels and QR codes out of the EPREL database for new products	Stiebel Eltron requires a streamlined process to obtain energy labels and QR codes for new products registered in the EPREL database, ensuring compliance and efficiency.	Gepard facilitates the getting of energy labels and QR codes from the EPREL database for new products registered by Stiebel Eltron, ensuring compliance and efficiency in product registration.
Support of the FAB-DIS & BMEcat data exchange formats and data transformation according to the requirements	Stiebel Eltron needed to create the prerequisites to be able to export products to FAB-DIS, BME-cat, and Amazon.	Their product database is already imported into Gepard PIM. Thanks to the advanced product data syndication tool, everything is already configured to convert the data into the required formats. In just a few clicks, the data will be distributed to the appropriate endpoints.



PROJECT RESULTS

1

Gepard PIM is to deliver a connector to the client's PIM for two-way data exchange to

- import products that are to be exported to EPREL;

- push back to client's PIM EPREL generated labels, product fiches, and report with a link.

2

Gepard PIM is to configure the automation of EPREL datasheet generation for Stiebel Eltron to reduce the manual work on continuously updating products in EPREL and registering new products.

3

For sure, later there will be many more incredible results that we will achieve during our collaboration.

LEADING THE WAY



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Sören Struk

PIM System architect at Stiebel Eltron



Magnus Heinrich

Strategic Buyer Non-Production Material MRO, and Services at Stiebel Eltron



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FUTURE PLANS

After delivery of the EPREL connector, STIEBEL ELTRON and Gepard plan to proceed with the Future development phase of the project. This phase could encompass the implementation of additional connectors, further enhancements, and customizations, such as:

Amazon connectora

Support of the FAB-DIS & BMEcat data exchange formats and data transformation according to the requirements

And much more 😊

Gepard

ABOUT **GEPARD**

Gepard is an independent turn-key eCommerce platform that automates work with product data. For more than 15 years the Gepard team of 150+ dedicated specialists has been working on product information management solutions for clients around the globe.

GEPAARD **BENEFITS**

- Enable product data syndication with Gepard to automate manual data entry;
- Keep your product information high quality and constantly updated;
- Adjust your product data to the requirements of various marketplaces;
- Automate your product content distribution to multiple retail platforms with AI mappings;
- Entrust Gepard's experienced specialists with your data maintenance;
- Optimize your user experience with retailer-specific content;
- Spend less time on data-related tasks and increase your team's productivity.

To learn more about
Gepard, visit
gepard.io
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info@gepard.io.