

# Gepard

## GEPARD PRODUCT CONTENT INTEGRATION WITH EPREL DATABASE

Helping To Automate  
Product Data Delivery  
to EPREL Database  
For Oppl Lighting

[gepard.io](http://gepard.io)

# Gepard

## EPREL

## OPPLE

LIGHTING.



## ABOUT **OPPLE LIGHTING**

Opplé Lighting is a lighting solutions company based in Europe. They specialize in providing a wide range of lighting products, including LED lights, lamps, fixtures, and other lighting solutions for residential, commercial, and industrial applications.

Opplé Lighting focuses on energy-efficient lighting solutions and has a global presence, supplying products to various markets worldwide. Their product range includes indoor and outdoor lighting solutions, such as ceiling lights, down lights, track lights, floodlights, panel lights, and more.



## **PROJECT OBJECTIVES**

Implementing Gepard PIM solution for Opplé Lighting aims to achieve seamless automation of the product data delivery process to the EPREL database. By leveraging Gepard PIM, the client eliminated manual efforts and streamlined operations, allowing for a more efficient and effortless transfer of data. The objective is to ensure that product data is accurate and up-to-date in the EPREL database, thereby guaranteeing reliable information for regulatory compliance.

Ultimately, the implementation of the Gepard PIM solution optimizes time-to-market for Opplé Lighting's products, ensures regulatory compliance, and fosters data integration and interoperability for improved operational effectiveness.

# CHALLENGES AND SOLUTIONS



## DATA MANAGEMENT COMPLEXITY

One of the main challenges is the complexity of managing and organizing product data to comply with EPREL requirements.

Lighting companies need to ensure that their product information, such as energy efficiency ratings, technical specifications, and compliance documents, is accurately documented and readily available for submission.



One of the key accomplishments was the implementation of a standardized data format for all Opplé Lighting products.

Gepard PIM team has created a structured and uniformed table that encompassed various product data assets. This EPREL database-compliant data included essential information such as energy efficiency ratings, technical specifications, and compliance documents.



## TIMELY UPDATES

EPREL quite often introduces updates or revisions to energy efficiency labeling requirements. Lighting companies must stay up-to-date with these changes and ensure that their products' instructions and labels reflect the latest guidelines.

Keeping track of the updates and implementing necessary changes across their product range can be a time-sensitive challenge.



Gepard PIM helps Opplé Lighting handle timely updates introduced by EPREL by providing a configurable centralized platform for managing product information.

With Gepard PIM, our client got the opportunity to easily access and update instructions and labels, utilize version control for tracking changes, automate workflows for efficient updates, and ensure data accuracy and consistency during the process.



## WORKFLOW COLLABORATION

Coordinating efforts between teams involved in managing EPREL-related tasks is a significant challenge for electronic companies. EPREL compliance involves various teams, such as product management, regulatory affairs, marketing, and IT, each with its own responsibilities and expertise.



Gepard PIM systems provided a collaborative workspace for Opplé Lighting, where teams can work together. It enhanced communication and streamlined workflow processes.



# PROJECT DEVELOPMENT TIMELINE



## PHASE 1 PROJECT INITIALIZATION

- 1 Project Set Up
- 2 Tenant, Database, And Data Storage Set-Up
- 3 Team Allocation



## PHASE 2 CONFIGURATION SET UP

- 1 Import Configuration
- 2 Taxonomies Mapping
- 3 Connection To EPREL Database And Pipeline Configuration
- 4 Labels Download In Bulk



## PHASE 3 IMPORTING DATA TO EPREL

- 1 Import Data Validation
- 2 Acceptance Environment
- 3 Project Performance Evaluation
- 4 Extensive Environment And Platform Tests
- 5 Project Rollout
- 6 Onboarding



# HOW IT WORKS

## PHASE 1 PROJECT INITIALIZATION

- 1 PROJECT SET UP.** This step included activities such as defining project goals and objectives, identifying key team members, establishing communication channels, and outlining project timelines. EPREL account was set to both include client access and Gepard team members' access.
- 2 TENANT, DATABASE, AND DATA STORAGE SET-UP.** In this step, the necessary technical infrastructure was established to support the import of products to the EPREL database. It involved creating a «tenant,» which is a dedicated environment within the Gepard PIM system for the specific project. The tenant provides a segregated space where project-related data and configurations can be managed separately.
- 3 TEAM ALLOCATION.** It is a process of assigning individuals or teams to specific roles and responsibilities within the Gepard PIM setup project. This step involves identifying the key stakeholders who will be responsible for various tasks, such as data preparation, data mapping, system configuration, data import, and quality assurance.

## PHASE 2 CONFIGURATION SET UP



**1 IMPORT CONFIGURATION.** During the import configuration step, we defined the specific parameters and settings for importing product data into the Gepard PIM system. This included specifying the data format (e.g., CSV, Excel) and the structure of the data files, and determining the mapping between the product attributes in the data files and the corresponding fields in the Gepard PIM system.

**2 TAXONOMIES MAPPING.** This step ensured that the products are correctly categorized and organized within the PIM system based on the predefined taxonomies and hierarchies.

**3 CONNECTION TO EPREL DATABASE AND PIPELINE CONFIGURATION.** In this step, we established the system-to-system (S2S) connection for both acceptance and production environments between the Gepard PIM system and the EPREL database. This involved configuring the necessary API connections or data integration mechanisms to facilitate the seamless transfer of product data from the PIM system to the EPREL database.

**4 LABELS DOWNLOAD IN BULK.** Once the product data was successfully imported into the Gepard PIM system and connected to the EPREL database, EPREL generated labels. After that, we provided the possibility to download them from FO either in bulk or by product IDs and select label format, type, and color.



## PHASE 3

# IMPORTING DATA TO EPREL

- 1 IMPORT DATA VALIDATION.** In this step, we checked the data for errors. If any data was filled in incorrectly and data validation fails during import (wrong record format or lack of some attribute), we display it in the report and the client can correct it.
- 2 ACCEPTANCE ENVIRONMENT.** When the data passed validation, the Gepard team pushes products to the acceptance environment for data checks and makes a test export of generated energy labels. The client logs on to the acceptance environment to check and approve that the imported data is correct and meets expectations.
- 3 PROJECT PERFORMANCE EVALUATION.** Once the data import process was set up and running, we conducted a project performance evaluation to assess the efficiency and effectiveness of the import process. We defined Key performance indicators (KPIs) and measured them to evaluate the performance of the import system, including data processing speed, accuracy of data mapping, and overall system reliability.
- 4 EXTENSIVE ENVIRONMENT AND PLATFORM TESTS.** Before the full rollout of the import process, extensive testing was conducted to ensure the stability and reliability of the environment and platform involved in the data import. This included testing the scalability, security, and performance of the infrastructure, servers, and software systems used in the import process.
- 5 PROJECT ROLLOUT.** Once the import process has been thoroughly tested and validated, we began the project rollout phase. This involved deploying the import process to the production environment and initiating the actual import of product data to the EPREL database.
- 6 ONBOARDING.** At this stage, we gave access to the platform for our client, held an onboarding session where we explained how to use our solution on their own, and answered all questions. This call was recorded, and the recording was sent to the client. Also, for the first time, we helped our client with the validation of the product file for independent imports.

# PROJECT RESULTS

## STREAMLINED DATA MANAGEMENT

The Gepard PIM system acts as a single source of truth for product data, enabling Opplé Lighting to efficiently manage and organize information. This streamlined the process of updating and maintaining product records in the EPREL database, saving time and effort for the company's teams.

## IMPROVED DATA ACCURACY

Gepard PIM software ensures that all product information, such as energy efficiency ratings, technical specifications, and compliance details, is centralized and consistently updated. This leads to higher data accuracy, reducing the risk of errors in EPREL submissions and increasing transparency for consumers and regulatory authorities.

## ENHANCED COMPLIANCE

Gepard PIM solution enforces data standards and compliance rules, ensuring that all products meet the necessary requirements for energy labeling. This proactive approach helped Opplé Lighting maintain compliance with EPREL regulations, avoiding potential fines or penalties.

## FASTER TIME-TO-MARKET

With streamlined data management and automated data delivery to EPREL through the Gepard PIM system, Opplé Lighting accelerated the time-to-market for new products. This advantage allowed them to stay competitive and respond quickly to changing market demands.

## LEADING THE WAY



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