

REZOLV



CUSTOMER STORY

Efficient data migrations and seamless data synchronization enabling system integration, strategic insights, and streamlined operations.



Company Overview

Rezolv, a certified Odoo partner

Rezolv helps wholesalers and manufacturing companies overcome growth challenges by streamlining operations and driving digital transformation.



With a tailored approach, the company enables businesses to improve efficiency, optimize processes, and gain better control over their operations.

As a certified Odoo partner, Rezolv supports companies throughout their entire ERP journey—from in-depth analysis to seamless implementation and ongoing optimization. By integrating strategy, processes, and technology, Rezolv delivers actionable solutions that enhance scalability and long-term success.

Rezolv's 4-Step Approach to Digital Transformation

1

A one-day on-site assessment, delivering a clear action plan based on organizational, process, and system insights.

2

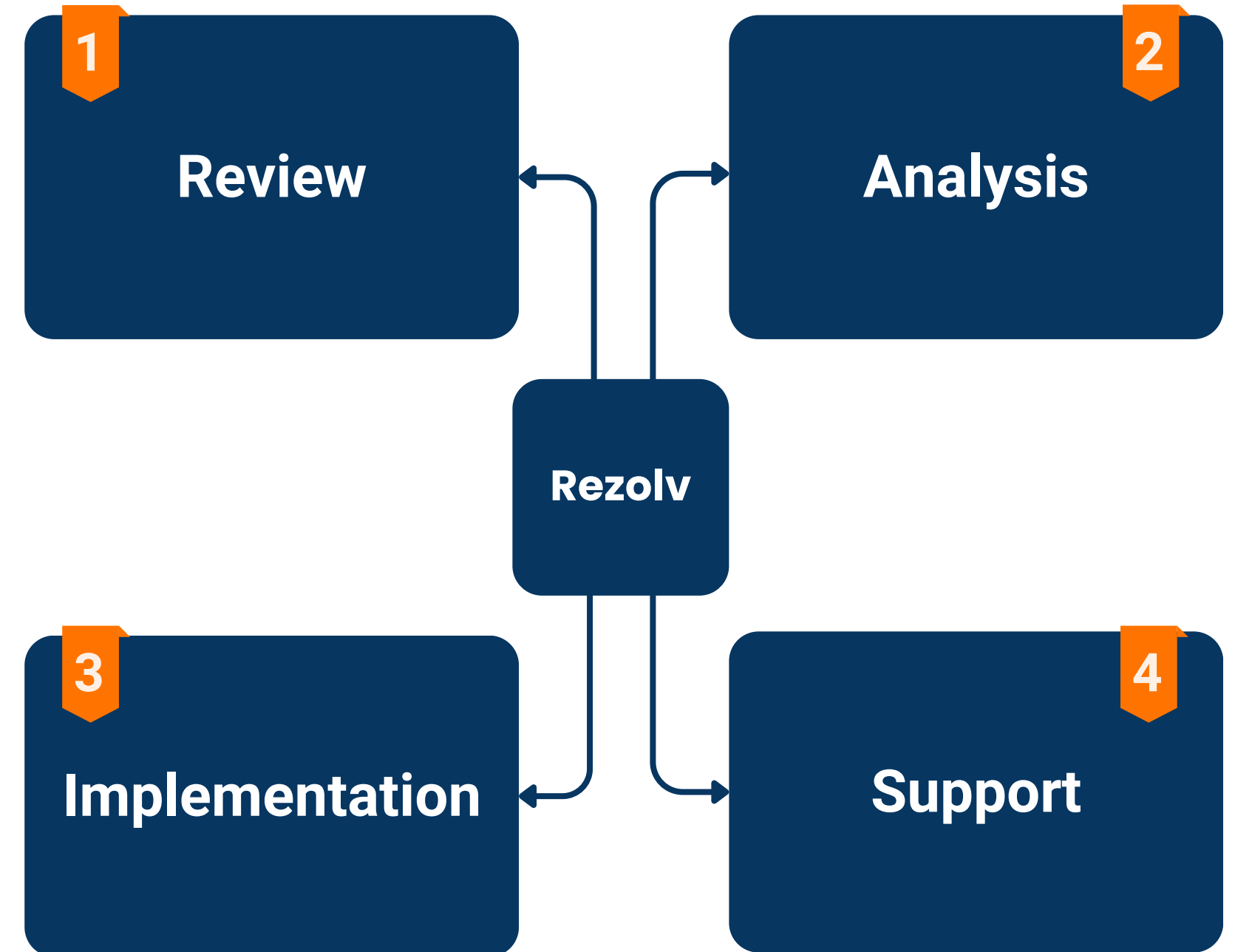
In-depth examination of business processes and system requirements to define the optimal ERP setup.

3

Seamless deployment of Odoo ERP, ensuring efficient system integration and process optimization.

4

Ongoing guidance and optimization to maximize long-term value and business growth.



The Challenges

An important aspect of digital transformation is enabling the organization to get insights into their data and make data-driven decisions about the strategy and goals of the company.

Rezolv needed a reliable, scalable and secure data platform to support their engineers in every aspect of the digital transformation journey, including data migrations, setting up data pipelines, deploying a data warehouse, and making data business-ready for BI.

Complex data migrations

Digital transformation projects often include a complex data migration from a legacy system into the new Odoo ERP. This migration is usually not just a one-off data import, but instead comprises a live data pipeline that keeps data synced from the legacy system into Odoo ERP during a transition period.

Strict timelines and budgets

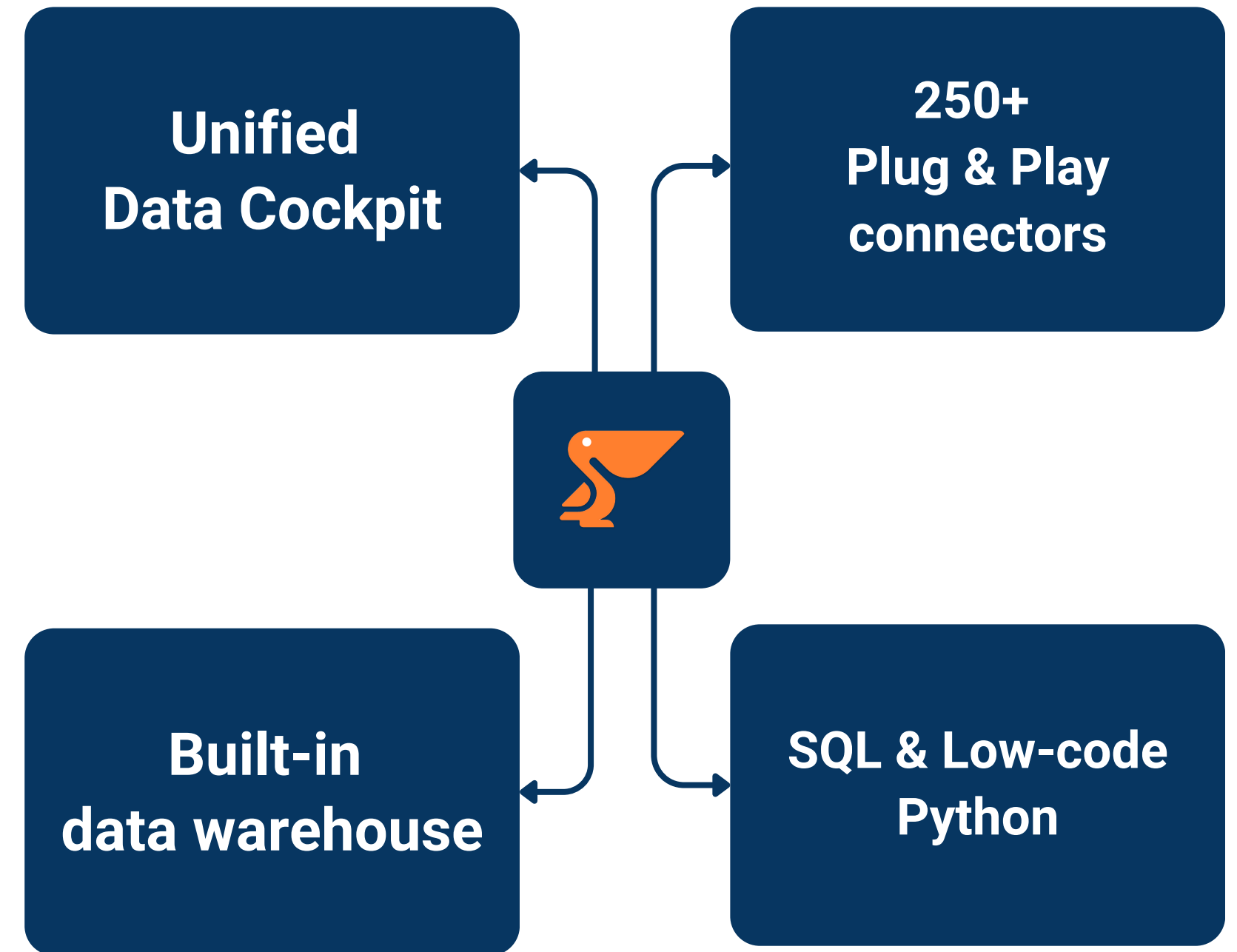
In any digital transformation project, it's key that the data infrastructure can be implemented efficiently with minimum overhead and minimum maintenance in order to keep budgets and timelines under control.

The Pelican Solution

The Rezolv development team started using the Pelican all-in-one data platform to handle data from end-customers efficiently, including sales data, operational data (stock data, production data) and financial data.

The Rezolv developers use Pelican's combination of SQL and low-code Python scripts to explore the data, implement transformations, schedule pipelines, deliver data to BI, implement data syncs to Odoo ERP and perform quality checks.

- 1 Connectivity
- 2 Built-in data warehouse
- 3 Data exploration
- 4 Data transformation
- 5 Building pipelines
- 6 Pipeline monitoring & QA



The Peliqan Solution

Connectivity

Every end-customer is different, and a wide range of legacy systems are in use. Peliqan provides 250+ connectors out of the box to ERP systems, accounting and CRM systems.

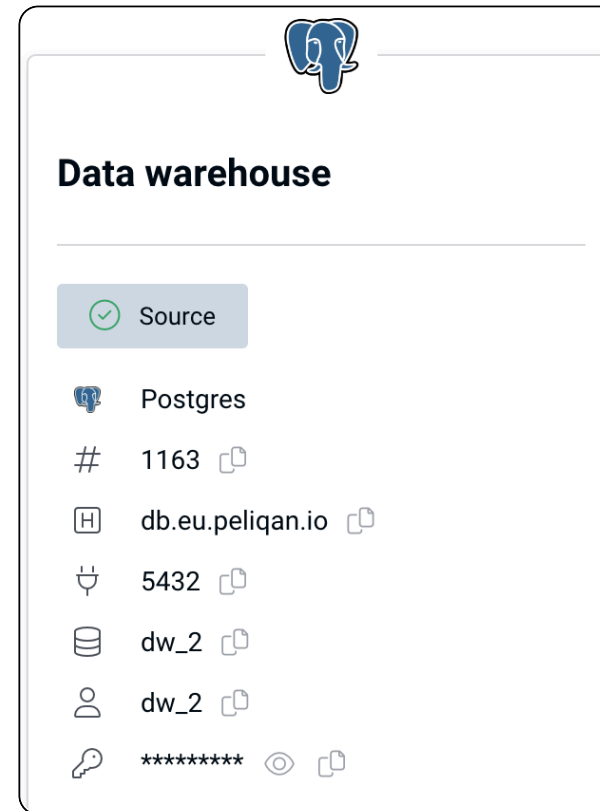
Of course this includes a comprehensive Odoo connector that supports using Odoo both as source and as target, including the use of custom fields and custom models in Odoo. The Peliqan connectors automatically handle authentication, paging, rate limiting, incremental data fetching etc.

If needed, Rezolv requests a new connector to Peliqan. New connectors are typically delivered in one week or less. At the same time, Peliqan allows direct connection to almost any database, including legacy systems and on-prem deployments.

The Pelican Solution

Built-in data warehouse

The data warehouse is a strategic cornerstone of digital transformation. It empowers companies to unlock valuable insights, enabling them to make informed, data-driven decisions that shape their strategy and long-term goals.



Beyond facilitating data migration, a well-structured data infrastructure is fundamental for ongoing analysis, performance optimization, and maintaining a competitive edge in an increasingly data-driven business landscape.

Pelican has a built-in data warehouse which is a central repository for all end-customer data that is handled within the project. This includes data from multiple connected sources (business applications, legacy systems databases), data from Excel files (e.g. with specific mappings), data from CSV files on SFTP as well as data from Odoo ERP.

The Pelican Solution

Data exploration

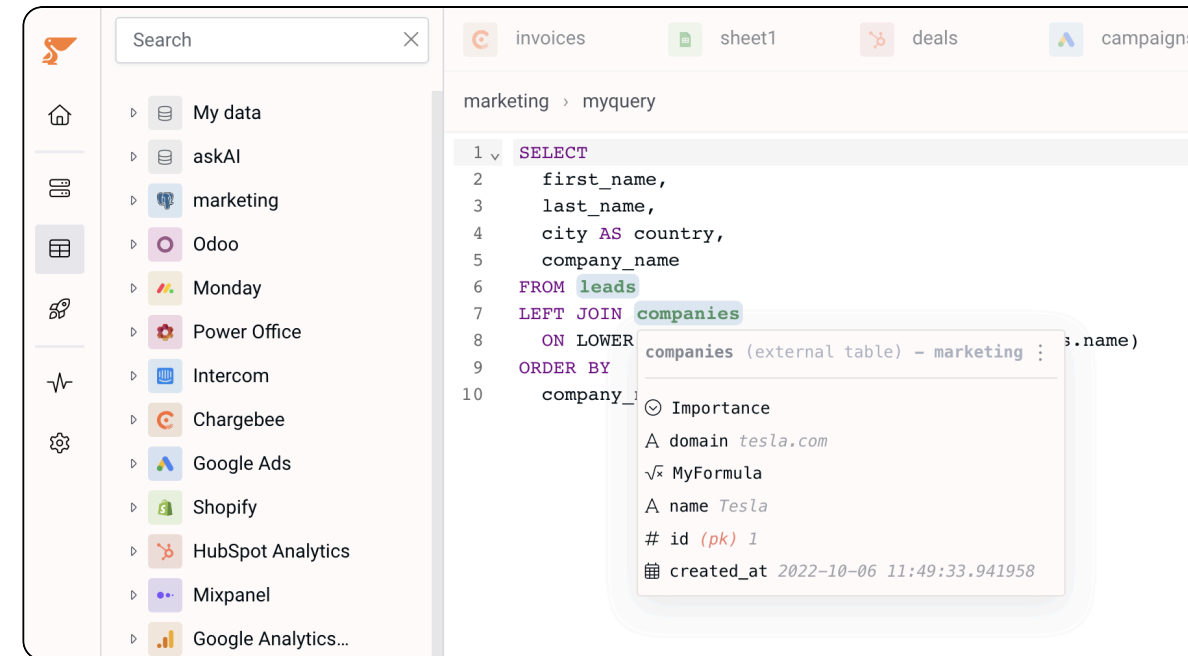
The next step after landing raw data in the data warehouse, is the analysis phase in which data exploration of the legacy data is performed.

Pelican provides efficient tooling for data exploration such as the Pelican grid view, a rich web-based UI to explore relational data with complex structures, to profile the data and prepare data transformation steps.

The Pelican Solution

Data transformation

After the analysis phase, Rezolv consultants have a good understanding of the structure of the customer data, and they start implementing transformations to transform raw data into business-ready datasets that will be used in Power BI (or other BI platforms) to deliver comprehensive data insights.



At the same time, specific datasets are prepared for ingestion into Odoo ERP. The data transformations map data types to Odoo objects, handle missing data and outliers and implement required business logic. Data transformations are implemented using a combination of SQL queries and low-code Python scripts.

The Pelican Solution

Building & monitoring pipelines

All transformations are combined into data pipelines that run inside Pelican based on a schedule or near real-time based on webhooks. Data from the source is processed incrementally and bookmarks are automatically handled by the pipeline.

For large data sets, sharding is applied to process data in parallel. The pipelines connect the legacy system to Odoo ERP and deliver near real-time data to the BI platform, via the data warehouse.

When pipelines start running, they are monitored and email alerts are sent out in case of errors. The Rezolv development team handles errors and adjusts pipelines where needed.

Once an initial data set is loaded, a reconciliation takes place where all data between source (legacy system) and target is compared to make sure that no data is missing in the target. This is done using Quality Assurance (QA) scripts that efficiently compare using join queries in the Pelican data warehouse.

Conclusion

Thanks to Peliqan, the Rezolv team can seamlessly integrate data migration and synchronization into their digital transformation projects.

By leveraging Peliqan, Rezolv not only streamlines data onboarding but also enables companies to connect legacy systems, ensuring a smooth transition while maintaining data integrity.

As a result, businesses gain strategic insights through their data warehouse while keeping budgets under control and accelerating project timelines.

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