



## CASE STUDY

# Optimizing Global Operations

Achieving Scalability, Visibility, and Efficiency in Supply Chain and Order Management with Oracle ERP, HevoData, Snowflake, and Tableau Integration



**Client**  
Confidential



**Location**  
USA



**Industry**  
Manufacturing



## About the Client

The client, a global manufacturing leader renowned for its diverse product lines, grappled with the intricacies of supply chain and order management data. Despite housing invaluable financial and operational data within its legacy Oracle ERP system, the company found it challenging to extract real-time insights. The lack of an advanced data platform and siloed data hindered analytics, impeding swift and informed decision-making processes.



## Challenges

The client could not harness real-time SCM and OM insights for data-driven decision-making due to several challenges:

- **Data Silos:** Business-critical data remained confined within the Oracle ERP system. Data inaccessibility hindered processing, analysis, and visualization.
- **Scalability:** Existing infrastructure limitations prevented scaling to accommodate the growing data demands of the company's global operations.
- **Complexity:** System integration presented intricate challenges due to the presence of multiple platforms, each with its unique complexities.



## Solutions

Neev Systems' solution addressed these data management challenges by breaking them down into three different components:

- **HevoData Integration:** Implemented HevoData to automate the extraction, transformation, and loading (ETL) process, ensuring seamless data flow from Oracle ERP to Snowflake.
- **Snowflake Data Warehouse:** Leveraging Snowflake's scalable, cloud-based infrastructure, established a robust platform for storing and modeling data from diverse sources, including the Oracle ERP system.
- **Tableau Reporting:** Deployed Tableau to empower dynamic reporting and analytics, granting business users access to real-time dashboards and reports for informed decision-making.



## Benefits

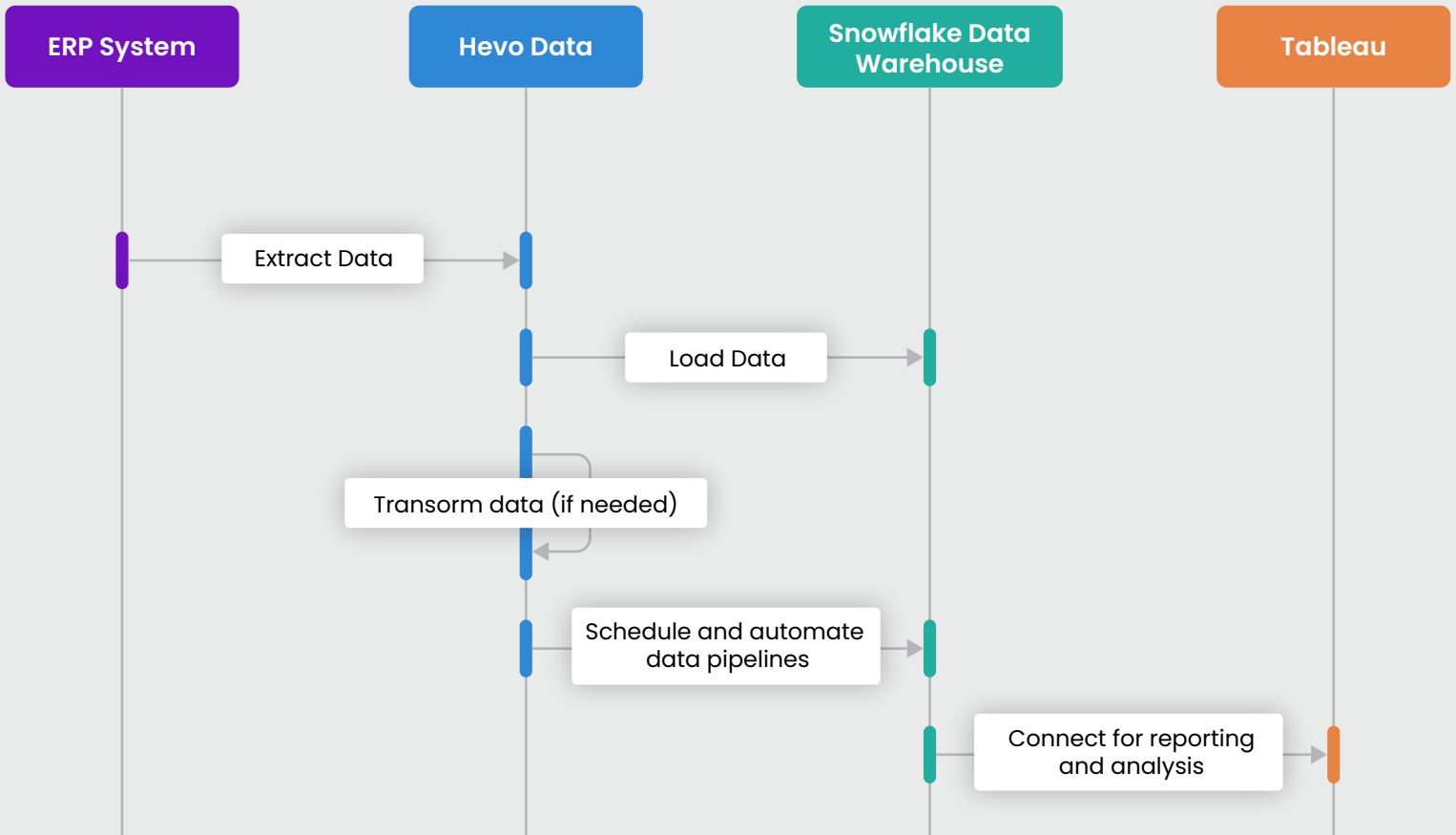
Neev Systems helped the client to leverage existing data sources to maximize outcomes and post-implementation, they enjoyed several pivotal advantages:

- A 360-degree overview of opportunity fulfillment, ensuring seamless order delivery.
- Integrated data governance within the data warehouse for enhanced user control.
- Real-time view of on-hand inventory that can be shipped immediately.
- Real-time view of backlog inventory and production status monitoring.
- Timely updates on shipment status, tracking, and expected delivery details.
- Seamless scalability, capable of accommodating increasing data volumes and complexity.
- Centralized data storage and high data availability allow relevant stakeholders to access data as needed.
- Reconciliation of order data with financial data (GL journal entries) related to Account Receivables and Account Payables.
- Automated data workflows that minimized manual efforts and errors, enhancing operational efficiency.
- Enriched data is analyzed by advanced data science tools, offering reliable insights into trends related to sourcing, demand, and supply chains.

## Key Stakeholders Benefited

- **Sales Representatives:** When a Sales Rep identifies a potential opportunity, they create an opportunity in the system (ERP/external application). This opportunity then transforms into an Order in Oracle ERP. It's crucial for Sales Reps to have real-time updates on the status of these orders converted from opportunities, enabling them to promptly inform customers about the progress.
- **Procurement Managers:** The Procurement team can strategize their sourcing activities by assessing both on-hand and backlog inventory. They can analyze order trends to forecast sourcing needs and make appropriate bids.
- **Business Users:** Key decision-makers in Manufacturing, Production, and Sales gain a 360-degree view of product demand, inventory requirements across different regions, expected supply costs, and associated sourcing expenses. This holistic perspective drives informed decision-making for optimizing operations and meeting customer demands.

## Implementation Approach and Methodology



Neer Systems adopted the following implementation approach:

- **Data Mapping:** Identified key data entities in Oracle ERP for integration.  
HevoData Setup: Configured HevoData pipelines to automate data extraction from Oracle ERP.
- **Snowflake Configuration:** Set up Snowflake to receive and store data, defining schemas and data models and ensuring the data extracted is enriched for visualization capability.
- **Data Validation:** Ensured data integrity and accuracy throughout the ETL process.
- **Tableau Integration:** Integrated Tableau with Snowflake, creating interactive dashboards and reports tailored for end-users.

## About Neev Systems

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Neev Systems is a reliable IT partner committed to providing tailored solutions and services in and around Digital Transformation, Cloud Computing, Integration Services, ERP Solutions, and Product Engineering Services. Our mission is to leverage a collaboration-first approach for building efficient, reliable, and flexible solutions that help clients adapt quickly to shifting market dynamics and changing customer demands. Partner with us and experience the benefits of working with a trusted IT partner that delivers exceptional quality and value.

[Contact Us](#)



[www.neevsystems.com](http://www.neevsystems.com)



[contact@neevsystems.com](mailto:contact@neevsystems.com)



**408-676-NEEV**

691 S Milpitas Blvd, #217, Milpitas, CA-95035, **USA**



4th Floor, Hive Space 2.0, Divine Babylon building,  
Ramalayam Road, Whitefields, Kondapur, HITECH City,  
Hyderabad – 500081, Telangana, **India**