

CASE STUDY

Driving Data Innovation For European Logistics

Implementing a scalable, well-documented data warehouse and upskilling internal teams for long-term self-sufficiency

Scalable

Data Warehouse

Self-Sufficient

Internal Teams

Full Governance

Documentation

THE CLIENT

Moving Global Commodities

C. Steinweg Group is one of the world's leading independent commodities warehousing and logistics providers, with operations spanning over 50 countries. Headquartered in Rotterdam, Steinweg handles storage, distribution, and processing for metals, soft commodities, and energy products across a vast global network. As the scale of their operations grew, the organisation sought expert guidance to assess their existing data infrastructure, implement a robust data warehouse, and establish best practices for ongoing data management, building a foundation that would scale with their ambitions.

"We needed more than just a data warehouse, we needed the knowledge and governance framework to sustain it ourselves for the long term."

C. Steinweg Group Data Team

INDUSTRY

Logistics

LOCATION

Netherlands

FOCUS

**Data Engineering, Data Modelling,
Training**

THE CHALLENGE

Building from the ground up

Infrastructure Assessment

The existing setup needed a thorough technical evaluation to define optimal design requirements and identify gaps before any build could begin.

Platform Configuration

Data engineering software and platforms had to be configured, installed, and tested end-to-end to ensure stability and performance from day one.

Data Integrity & Security

Reliable backup and maintenance protocols were essential to protect data integrity and ensure business continuity across the logistics network.

Team Self-Sufficiency

Internal teams needed to be upskilled to manage ongoing data engineering activities independently, the engagement had to leave lasting capability.

THE JOURNEY

Assess, build, and empower

1

Assessment & Design

- Conducted a comprehensive Technical Infrastructure Assessment of the existing environment
- Evaluated current capabilities and identified necessary improvements
- Defined optimal data warehouse design requirements collaboratively with stakeholders
- Built trust through transparent reporting of findings and recommended approach

2

Build & Configure

- Configured, installed, and rigorously tested data engineering software and platforms
- Implemented backup and maintenance processes to ensure system resilience
- Established business continuity protocols tailored to the logistics environment
- Validated each milestone against agreed acceptance criteria before progressing

3

Train & Document

- Provided comprehensive hands-on training to internal data engineering staff
- Equipped teams with the knowledge and skills to manage data processes independently
- Developed detailed documentation covering data models, lineage tracking, and best practices
- Embedded governance and transparency standards into everyday workflows

THE TRANSFORMATION

From fragmented data to governed warehouse

BEFORE

Fragmented data sources, no formal governance, manual processes, and internal teams dependent on external support.

AFTER

Scalable data warehouse, comprehensive documentation, trained self-sufficient team, embedded governance standards.

Scalable

Architecture

Enhanced

Data Management

Self-Sufficient

Internal Teams

Complete

Documentation

Embedded

Governance

READY TO TRANSFORM?

Let's build your data foundation

Through expert consultancy and hands-on implementation, Engaging Data successfully delivered a scalable and well-documented Data Warehouse for C. Steinweg Group. The project ensured operational efficiency, enhanced data governance, and long-term sustainability for the client's data-driven initiatives.