

How to Master Data at the Komax Group: A Comprehensive Guide and strategic solution outline

Degree programme : BSc in Industrial Engineering and Management Science

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Building on a recent pre-study, this thesis explores the requirements and limitations of the Komax Group concerning a Master Data Management approach. It examines the current approach, identifies prerequisites towards the future approach and offers strategic recommendations. The proposed solution outlines actionable steps to enhance data consistency, governance, and overall management, providing a clear path for effective Master Data Management implementation.

Introduction and Objectives

The Komax Group, a global leader in wire processing solutions, aims to improve its data quality to optimize operations. This effort is driven by a recent Maturity Assessment that identified several areas needing enhancement in the current Master Data Management (MDM) approach. For Komax, tackling data quality issues is essential to becoming a data-driven company. By addressing these improvement areas, Komax intends to facilitate the integration of newly acquired companies and enable informed decision-making. This thesis will explore the requirements and limitations of Komax's MDM approach and provide a strategic implementation solution.

Research Design

This thesis builds on the findings of a pre-study that identified potential solutions for the main components of a MDM approach. The pre-study was primarily literature-based, supplemented by a small number of qualitative interviews, and offered a general perspective on the topic. In contrast, this thesis focuses specifically on the needs of Komax. It employs qualitative research and reviews internal documents to identify the requirements and limitations of an MDM approach. A workshop with key stakeholders then mapped these requirements to the pre-study findings, resulting in a solution tailored to the organization.

Results

The results of this thesis provide Komax with a detailed and actionable strategic solution outline for implementing an effective MDM framework. The comprehensive overview of MDM requirements and limitations, combined with the theoretical background, equips the organization with the knowledge needed for informed decision-making. Key recommendations include establishing a centralized data repository, defining clear roles and responsibilities, and fostering a culture of continuous improvement and data quality awareness. These recommendations are designed to address the specific needs of Komax (see Figure 1), ensuring that the MDM framework is both practical and scalable.



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Implications and Recommendations

There is no one-size-fits-all approach to managing Master Data. Instead, companies must derive suitable solutions tailored to their specific needs from the options available in the literature. This thesis offers recommendations for various areas of the Data Excellence Framework, aligning with the Komax Group's requirements and limitations. However, these proposed solutions need to be further elaborated and customized in detail to ensure successful implementation.

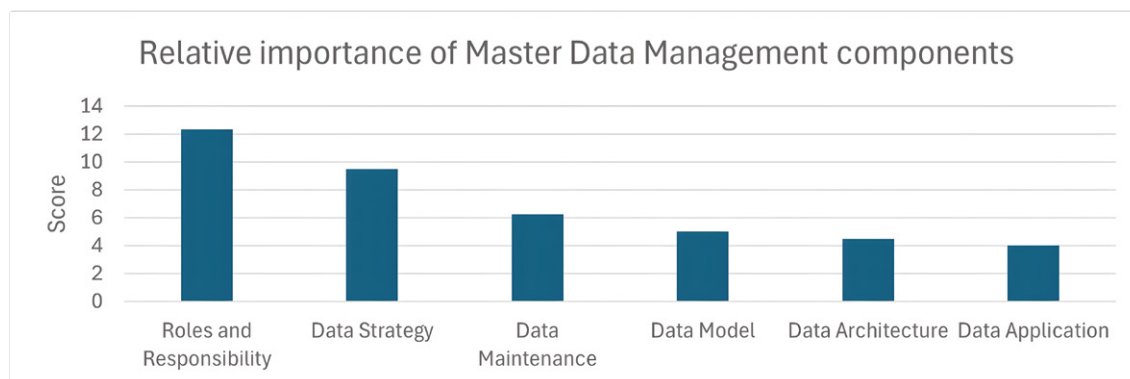


Figure 1 - Relative importance of Master Data Management components for the Komax Group