Multi-Domain MDM
Bills of Material

Solution Description

For any business, whether manufacturing, supply chain, distribution, B2B, B2C, or B2B2C, delivering an engaging, personalized experience is a critical success factor. This requires a holistic equipment information strategy to provide relevant equipment information in the right format to the right place at the right time.

ChainSys' Master data Management Suite, powered by dataZen™, has all data quality & data governance capabilities, to ensure a "single source of truth" for all your equipment master and reference data, document attachments, and critical commercial, operational, quality and regulatory attributes, for analysis and consumption.

Why ChainSys

- **No programming: Configuration-based** implementations, with **pre-built & configurable equipment data models** from a broad range of internal and external sources.

- **Pre-built extractors, loaders, and integration templates** for all equipment elements.
- **Flexible data governance workflow** to govern the equipment lifecycle from onboarding to making additional changes in the most efficient manner.
- **Equipment 360-degree views** to achieve insightful data around equipment and related transactions.
- **Data quality engine** that is highly configurable, automated, and easy to use, speeds time to adoption and value.
- **Cleansing, enrichment, and deduplication** based on smart algorithms, and data dictionary along with **Deduplication Report Dashboards** for easy data review/adjustment.
- **Configurable item survivorship and attributes merging rules** for automated merging and enrichment of golden records
- **Data Visualization** (Report, Dashboard, Analytics).

ChainSys Approach

dataZen, as a complete Master Data Management Suite, is compatible and interoperable with all the data sources and targets within your IT landscape, and provides seamless MDM capabilities across them all, including:

1. **Data Architecture & Data Modeling:** ChainSys' master data Suite offers Industry standard templates to match various ERP and CRM Systems for the data modeling, so you don't need to start from scratch.
2. **Data Discovery:** Connect to any end point to extract master data, reference data, and transactional data, and generate metadata through [data profiling](#).
3. **Data Cleansing & Standardization** by detecting, correcting, and sometimes removing undesirable data records including standardizations and enrichments through 3rd party providers.
4. **Data Quality Management:** Robust Workflow and ML Algorithms (NLP) to provide a powerful data Quality Management (DQM) Engine to enable tactical management and oversight of the company's data assets as part of Data Stewardship.
5. **Data Matching:** to Identify and resolve duplicate records with configurable business rules to group the similar set of data. Data stewards or custodians can approve system-generated matching groups along with suggested survivor records to automatically merge or perform manual adjustments.
6. **Master Data Merging & Source Updates:** Migrate the cleansed and consolidated data into any source system using pre-built migration and integration template as part of one-time migration (get clean) and in a steady state, trigger master data merge and update actions (keep it clean).
7. **Data Governance:** Data Governance is a conscious and orchestrated effort by the Data Architects and Data Stewards to ensure the right master/transactional data goes into your ERP System, after scrutiny and corrections by various data stakeholders. dataZen offers capability to configure multi-level approval workflows based on complicated business rules and various business scenarios. The application also provides real time activity monitoring and status tracking along with audit trail for all the changes during request and review process.
8. **Data Quality Monitoring:** After all your data quality and migration processes, ChainSys can help provide a comprehensive data quality monitoring dashboard and reconciliation reports to assess data quality and consistency.

ChainSys.com