MDO DATA INTELLIGENCE WORKBENCH (DIW): **AN INNOVATIVE APPROACH TO DATA STEWARDSHIP AND DATA QUALITY**

Your business insights and analyses are only as good as your data. The term GIGO (Garbage In = Garbage Out) may well describe this scenario perfectly. Generating new and valuable business insights from your data requires good quality and complete master data.

MDO DIW takes data stewardship to a whole new level. It allows businesses to take up ownership and collaborate on data quality, assisted by intelligence with an intuitive user experience.

MDO DIW has the capabilities to prepare, cleanse, and migrate data as well as providing a data quality assurance framework. Whether your organization is embarking on a transformation project or needing to incorporate data governance in day-to-day processes, MDO DIW caters for all these requirements.

"By 2022, 60% of organizations will leverage machine-learning-enabled data quality technology for suggestions to reduce manual tasks for data quality improvement" – Source: Gartner

MDO DIW Key Features

MDO DIW provides a workbench with pre-defined data models to validate, cleanse, and enrich data, with minimal human intervention. It ensures overall data completeness, data quality, integrity, and compliance.

- Multi Domain
  - Designed to work across multiple domains with pre-defined rules and models.

- Data Profiling
  - Automatic detection of data elements based on various business domains as well as analytics capabilities in terms of data accuracy and completeness.

- Data Integration
  - Pre-defined data models and integration capabilities with systems like SAP and Salesforce, equipped with all the deep structures required to analyze and correct data. Once data is remediated, it can trigger MDO Data Governance or apply data corrections directly in the source system.

- Passive Governance
  - Data is managed utilizing active alerts and data exceptions.

- Parse
  - Data is broken into parts, both structured and unstructured, using Artificial Intelligence/Machine Learning.

- Standardize
  - Built-in capabilities that incorporate industry standards – contents and formats.

- Schemas and Rules
  - Definition of business rules based on a logical sequence to identify and propose corrections for remediation by business users with an easy-to-use interface. These schemas can be configured by any Business User or Data Steward without any technical knowledge.

- Collaboration and Workflow
  - Schema Administrator or Steward can appoint various collaborators to help review or enrich data across business verticals. These collaboration efforts can be tracked via SLAs and KPIs, encouraging the adoption of a data-driven culture.

- Mass Data Processing
  - The ability to process and validate mass data.

MDO DIW Industry / LOB Solutions

Pre-built industry solutions around specific domains that include:

- **Spares** – A Data Quality Solution to improve the data quality of spare parts (MRO) in terms of identification, usage, and compliance with ISO8000 standards.
- **Assets** – Classification and data quality of Asset data both for heavy assets and buildings. This is a must have for any IoT or Digital Twin initiatives, in accordance with ISO14224, UNICLASS, and CFIHOS standards.
- **Suppliers** – Ensuring Supplier Data is accurate and in conformance with all the standards. Risks and financial information are integrated into Supplier Information e.g., Dunn and Bradstreet.
- **Workforce** – Employee and Contractor data including Payroll assurance and compliance.

Upcoming Solutions:

- **Education** – Student and Asset Data
- **Retail** – Data Quality for Retail and Standards

Key Differentiators of MDO DIW

Easy to Deploy and Get Started
- An easy solution to deploy and get started in a matter of days — cost effective and scalable according to your needs.

Out-of-the-box Integration Models
- Out-of-the-box bi-directional integration with leading enterprise systems — reduced technical complexities.

Machine Learning and AI-enabled
- Its ML and AI capabilities provide for a predictive and intelligent rule-based approach to cleanse and enrich data.

One Solution for Data Governance and Data Quality
- Can be extended to trigger master data governance requests and utilize MDO MDM for master data creation and maintenance.

Low Cost of Ownership
- Easy and fuss-free maintenance, can be handled by Business Users and Data Stewards without total dependence on IT.

Data Stewardship for Both Business and Systems
- Support both business functions and data within IT systems, ensuring streamlining of operations. This includes a collaborative framework with both external and internal stakeholders for data quality.

Benefits to Your Organization

- Reduce operational risks and costs.
- Fulfil compliance requirements with confidence.
- Provide your leaders quality data they can trust and analyze.
- Reduce risks on digital transformation projects like IoT.
- Easy onboarding and empowerment of users.
- Allow collaboration, helping to capture better data with accountability of information.
- No disruption or change in your current process.