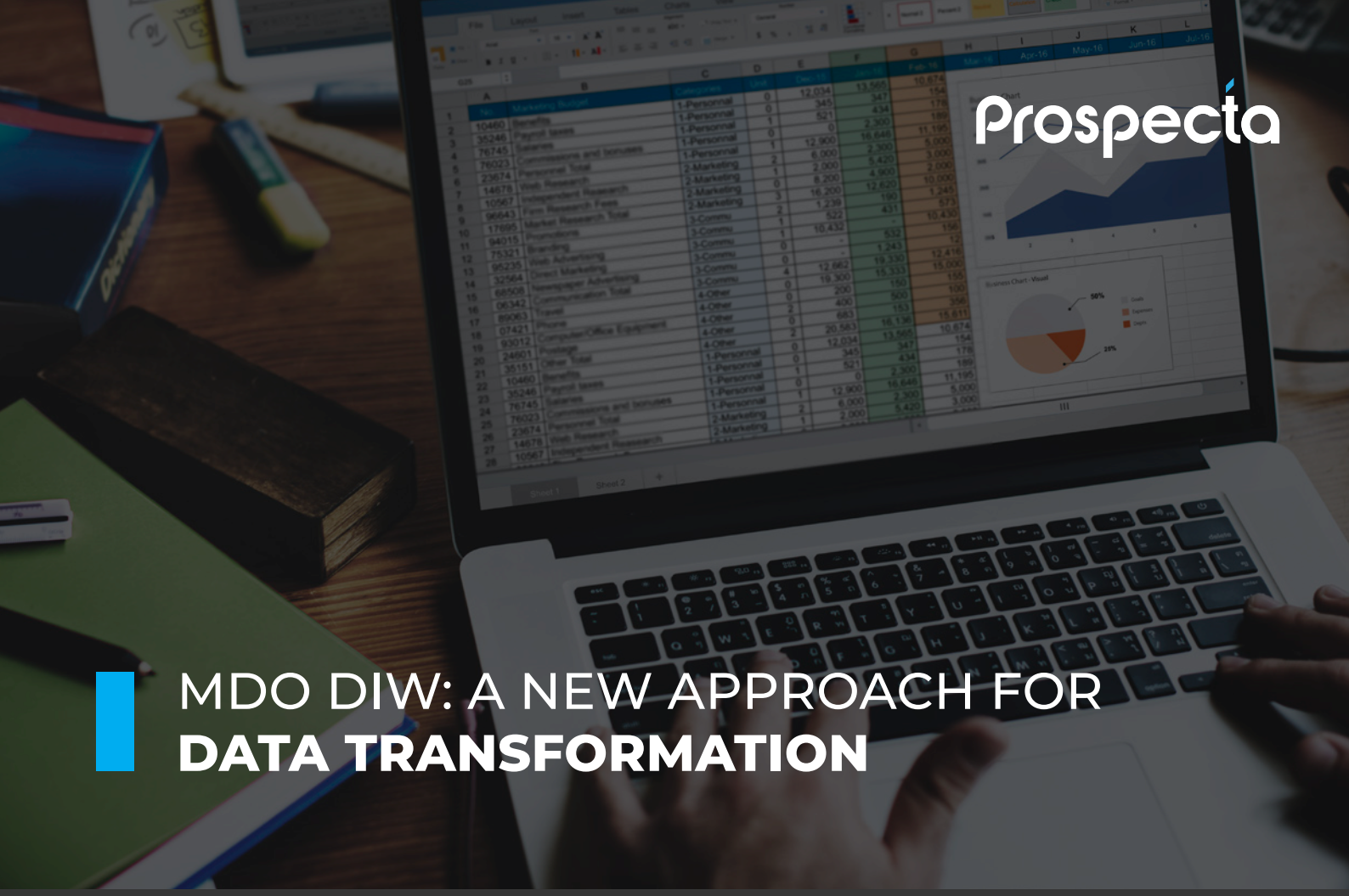


MDO DIW: A NEW APPROACH FOR **DATA TRANSFORMATION**

Your insights and analyses are only as good as your data. The term GIGO (Garbage In = Garbage Out) may well describe this scenario perfectly. You can't expect to have comprehensive, valuable insights if you don't have high-quality data to begin with.

In project scenarios, organizations should strategize for a solid data cleansing and migration strategy. This includes implementing data governance and assurance beyond go-live. If these aspects are neglected, you run the risk of using outdated, inaccurate, and redundant data which will prove costly and inefficient despite having a modernized platform with streamlined business models.

MDO DIW (Data Intelligence Workbench) has the capabilities to prepare, cleanse, and migrate data as well as providing the assurance framework. Whether the organization is embarking on a transformation project or needing to incorporate data governance in day-to-day processes, MDO DIW is able to cater to all these requirements.

Data Cleansing and Migration Challenges

Tedious data preparation and migration as part of project tasks

- Absence of framework and automation to assess and rectify data, have to depend on manual processes.
- Resource-intensive and time-consuming efforts to prepare, cleanse, and migrate data, compromising project deliverables and milestones.

No guarantee of data accuracy

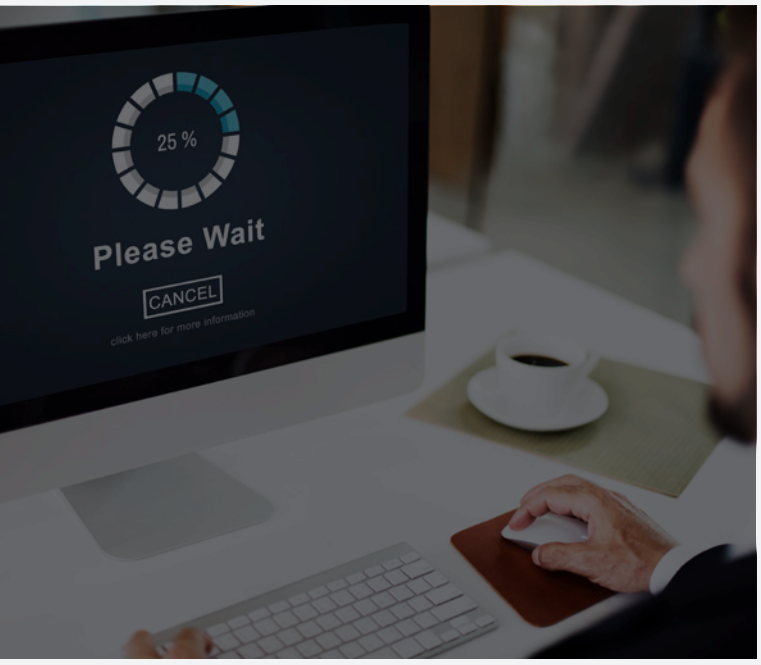
- Hard to identify expired and redundant data, resorting to manual/semi-manual validation to identify data issues.

Absence of data strategy as part of project deliverables

- Having the mindset that data-related activities like cleansing and migration only happen during project phase without realizing the need to implement ongoing data quality and governance even beyond go-live.

No ownership and governance of data

- No top-down, enterprise-wide approach in enforcing data ownership and governance, making it impossible to have confidence in data to form strategic, forward-looking decisions.



MDO DIW Solution Areas

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

Its solution areas encompass end-to-end data processes.

Data Readiness

- Preparation stage for projects like S/4HANA transformation.
- Data quality assessment
  - Assess current quality of data, including opportunities for improvement and identification of which master data areas to be enriched.
  - Analyze data based on target structures and gaps, as well as specific analytics and reporting requirements.
  - Data readiness check in terms of risks during transformation stage.
- Definition and setup
  - Data quality metrics will identify data areas that lack clear definitions, have duplicates, or are incomplete.
  - Definition of rules, target structures, and mapping.
  - Definition of data enrichment strategy from content library or external sources as well as data retention strategy.
  - Data Stewards and business-related roles to be identified for data preparation stage.
- Data preparation
  - Data collection – to include missing data that will be required.
  - Data enrichment based on standards and external sources.
  - Setup of approvals and audit trails for data audits.
  - Provide the necessary data for Mock Cycles – Integration/Excel Files.

Data Cleansing

- Detect and correct data errors during project mode or as ongoing data cleansing activities leveraging analytics and insights.
- Rebuild
  - Identification and remediation of missing data.
  - Validation rules based on reference and transactional data.
  - Data integrity checks between master and conditional data.
  - Transformation rules based on target design.

- Standardize
  - Standardization through automation rules, e.g., telephone numbers, street addresses, or any naming conventions.
- De-duplicate
  - Once rebuild has completed, de-duplication results are reviewed for further action, e.g., deactivation.
- Data export
  - Upon approval, data is exported via files or integrated into target systems.
  - Integration is only recommended for Passive Governance.

Data Enrichment

- Encompass three main master data areas of spares, assets, and suppliers – alignment with respective industry standards.
- Use DIW connectors to access external contents and enrich data.
- Leverage OCR Connector capabilities to process, validate, and digitize hard-copy documents.
- Utilize machine learning (ML) to enrich data from external sources.
- Leverage our dedicated Master Data as A Service (MDAAS) team for the enrichment efforts.

Data Assurance

- Maintain data compliance, integrity, and standards with follow-up actions and remediations.
- Ensure validation and governance of data exchange between partners and legislative organizations as well as content publication.
- Framework that goes beyond data quality, embedded within organizational processes.

Leveraging DIW for S/4HANA Transformation Projects

MDO DIW can be used to manage the data aspects of S/4HANA transformation projects as well as defining overall data strategy.

Preparation Phase

- Assist in the assessment and preparation of data – even before project kick-off based on the current data quality metrics. This should reduce 70% of the efforts during project phase.

In-flight Phase

- Enable creation of rules with no coding required – adjustment and refinement of rules based on target design.
- Continuous improvement and collaboration with project team.
- A one-stop platform to manage data defects.

Post Go-live Phase

- Ongoing data checking and cleansing, as well as execution of data retention strategy.

Key Differentiators of MDO DIW

Pre-defined Integration and Data Models

- Faster setup and launch on your landscape prevent delays to project go-lives which can have knock-on effects on day-to-day operations.

Enablement of data-related activities within any project and subsequent daily operations

- Data-related activities from preparation, business rules, cleansing, to enrichment can be executed seamlessly with other project deliverables.
- Provide a trustworthy starting point of data for continuous governance and quality.

Preservation of Legacy Master Data

- Master data created from other systems are seamlessly cleansed and migrated without the need to recreate new sets of data.

Low Code Platform

- Easy to deploy and maintain without total dependence on IT.

Machine Learning and AI-enabled

- Its ML and AI capabilities allow for more predictive and intelligent rule-based approach to cleanse and enrich data.

Benefits to Your Organization

Successful project go-lives	▪ Automation and enablement of data-related activities ensure that key project milestones are met and risks are mitigated, leading to successful project completion.
Reap Maximum Benefits from Project Initiatives	▪ Successful implementation of data strategy as part of digital transformation initiatives enables automation and transformation of how data is being used. This also includes data governance and assurance.
Foundation for Data Culture	▪ Establish data ownership and governance through a one-stop master data management platform. ▪ Inculcate data culture where people trust their data to execute daily tasks, collaborate, and formulate decisions.