

# ENHANCED MASTER DATA MANAGEMENT IN THE LIFE SCIENCES INDUSTRY



## Improved Data Quality

Increased data quality to boost your productivity



## Simplification & Automation

Less manual effort and reduction of visible fields



## Improved Governance

Ownership and responsibility for each master data field

### Master Data Management in the Life Sciences Industry

Lack of consistency and completeness of existing master data is a common challenge in all organizations. Many struggle with unstructured process definitions, decision rights and accountability of master data, as well as difficulties with similar data sets being maintained inconsistently across different systems. Slow execution in the data maintenance processes and confusing user interfaces is not making things easier.

For organizations within the life sciences industry, there are additional challenges with the master data processes:

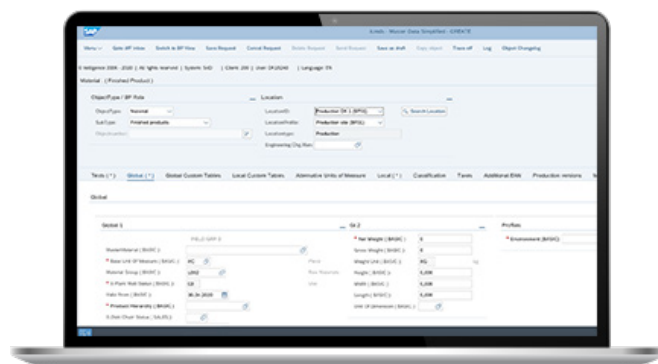
- Lack of historical traceability of changes to master data management
- Lack of digital signature across the entire master data organization
- Difficulties in governing and monitoring GXP critical master data
- Compliance to GXP guidelines and regulations within master data
- Rigid and slow master data processes due to paperwork and a lack of technological support in the business

### Automated Data Integration and Cross System Governance

As the life sciences industry - more than many other industries - requires that processes follow industry guidelines and legislations, high quality master data is a prerequisite to stay compliant and run a profitable business.

This is a very difficult task to master in a modern company in an international environment. Thus, NTT DATA Business Solutions has developed a master data solution to support companies' efforts in gaining regulatory confidence. The solution, it.master data simplified, is SAP-centric, but covers and supports a diverse system landscape as well as multi domains.

We provide simplicity and automation in your master data maintenance, the correct integration between systems, and cross system governance. All to ensure that your master data management tasks are carried out swiftly and in a timely manner.



## Data Intelligence with it.master data simplified

The solution analyzes your master data with help of AI technology and provides the existing dependency patterns between data fields. This information will then be used to generate rules, which will be used by the solution to automate the master data maintenance in SAP without user interaction.

As the patterns and rules are derived directly from existing master data, the implementation is very fast, and the automated maintenance will reduce the cost for master data maintenance.

### General Benefits

- Data integrity across the entire organization by ensuring consistency and completeness of the master data maintenance processes
- Data governance through defined authorizations, specific field controls and strict workflow processes
- Data harmonization through sophisticated integration capabilities
- Data automation achieved with simply condition tables to achieve complex and high automation
- Data simplification of maintenance processes through UI and UX simplification tailor-made for each customer
- Time previously spent on data maintenance can now be spent on value-adding activities such as upgrading data quality

**95%**  
**reduced manual entries**

### Additional Life Sciences Benefits

- Audit trail capabilities through change logs of master data maintenance, logs of workflow process/steps, and configuration settings
- Support of SAP digital signature capabilities throughout the MDM solution (digital signature 21 cfr part 11)
- Company specific definition of GXP critical fields and approval processes of changes to these
- Technological support of process definition, master data rules documentation, governance definition and principles, and authorization control
- Technological support to control and comply with ALCOA+ principles
- Ownership on field level to ensure people with the right knowledge maintain the right fields. Avoiding Data Managers collecting data from specialists to maintain the data

### End User Benefits



EASE AND SPEED OF MASTER DATA MAINTENANCE



GUIDED PROCEDURES TO AVOID ERRORS

### Super User Benefits



AUTOMATION SUPPORTED MAINTENANCE FOR FAIL-SAFING DATA PROCESSES



GOVERNANCE PRINCIPLES SUPPORTING CLEAN AND LEAN PROCESSES

## A Trusted Master Data Partner in the Life Sciences Industry

We have been in the market with our it.master data simplified solution since 2007, entering the life sciences industry not long thereafter. Adding to the many years of experience, the solution was certified for integration with SAP S/4HANA in 2021 and can be validated on GAMP5.

Want to know more?  
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**SAP® Certified**  
Integration with SAP S/4HANA®

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