

A I O P S . D™

a Deloitte Business

Autonomous Data Operations

Manage master data with minimal user inputs through AI/ML-powered corrections and self-healing algorithms, driving data quality across the enterprise.

Leverage internal and external data sources to generate critical data attributes aligned to governance models to improve data consistency, accuracy, and quality.

Potential Benefits

Up to 95%
increase in data quality as the ML models mature with self-healing data

Up to 75-85%
deduction of manual master data entry by self-generating data

Up to 75%
reduction in data operations costs due to automation

Up to 75%
acceleration in master data creation & maintenance driven by Gen AI

Representative Challenges

Manual data handling and inability to leverage historic or third-party data

Poor reference data, manual data population, and non-standard data governance can lead to an inconsistent record of project costs and redundant data entry

Complex multi-screen navigation leads to input errors and increased time to completion

Lack of centralized system to identify and correct data issues yields further data inconsistencies

Impactful Potential Benefits

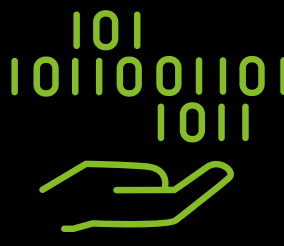
Self-generating algorithms autonomously generate data based on user behavior and historical data patterns

AI-optimized workflows automate, validate, and correct material data management across the enterprise

Conversational AI, automated workflow, and notification prompts drive completion of requests and up-to-date tracking

Centralized console enables users to review issues and recommendations for corrective actions

Autonomous Data Operations Microsolutions



Autonomous Data Management
(Vendor, Material, & Plant)



Finance Data Management
(GL account)



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For more information: [AI-Fueled Microsolutions](#) | [Deloitte US](#)