



PiLog
30 Yrs of Excellence

PiLog Data Quality & Governance Suite

for Supply Chain and Asset Lifecycle Management

Powered by AI

iDQGS Data Quality and Governance Suite

SAP Endorsed App
Premium Certified

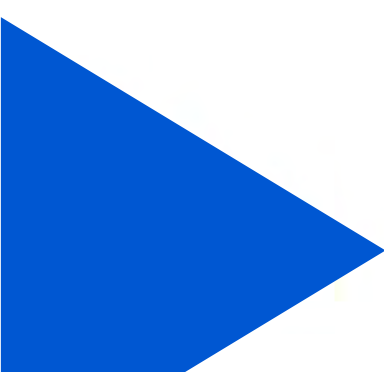
SAP PartnerEdge®
Service Partner





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PiLog Data Quality and Governance Suite

PiLog data quality and governance suite is built on lean management principles, incorporating best industry practices, ISO standards, and AI-driven content. This suite provides comprehensive features, processes, and methodologies for effective data lifecycle management for core processes within ERP, CRM, CMMS systems.

AI Powered PiLog Data Quality & Governance Suite has following solutions bundled as follows

Data Governance

25+ Data objects with real-time integration with S/4HANA on Private Cloud and SAP BNAC

Data Quality

Data Cleansing, Classification, Categorization & Enrichment, Data Maturity

iContent Foundry

Asset, MRO Spares & Services Taxonomy with EAM Data Repositories 30K+ Templates

Data Migration

Data Acquisition/Integration, Transformation & Migration ECC to S/4HANA (Rise with SAP)

AI Lens

Conversational AI
Real time & Staged Integration with SAP
Augumented AI
Multimodal Understanding

Value Levers



25%-30%
Average Maintenance
Cost Reduction



10x
Reduction in
Breakdown Maintenance



30%-35%
Increase in Equipment
Availability



10-15%
Free Text Speed



15-25%
Inventory Optimization

PiLog Data Quality and Governance Suite

PiLog Data Quality and Governance Suite offers a comprehensive solution to address the complexities of supply chain and asset data management. Leveraging AI-driven governance, global standards, and OEM collaboration, the suite enables organizations to unify master data, reduce MRO inventory costs, enhance asset reliability, and drive intelligent decision-making through real-time visibility and analytics.

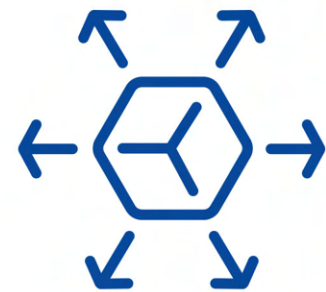
Challenges

- ◆ Non-Unified Master Data in Supply-Chain
- ◆ High MRO Inventory Hoarding
- ◆ Higher O&M Costs due to excessive planning & poor execution
- ◆ Inefficient Asset Reliability & Integrity
- ◆ Engg. Data outdated or not available
- ◆ O&M knowledge limited to handful
- ◆ Customized OEM Data for Assets & Components
- ◆ ERP application leveraged as backend
- ◆ In consistent Asset Hierarchy & Clamping Stand
- ◆ Duplicate, in consistent or incorrect master data
- ◆ Unclear criticality definition for spaces



Opportunities

- ◆ Unification of Master Data
- ◆ Reduce MRO Inventory Costs with OEM to OPM / OCM
Inventory reduction; EOQ & Inventory Optimization
- ◆ Improve Asset Strategy and Data Management
- ◆ Real Time Asset & Inventory visibility
- ◆ Improved Data Quality with AI & Governance
- ◆ Implement ISO 8000 / ISO 55000 for consistent asset & product classification
- ◆ Improved Tech Adoption with SMART Maintenance & Automation
- ◆ Failure mode & effects Analysis (FMEA) Automats
- ◆ Leverage best utilization of SAP & associated
- ◆ Business application, Process Orchestration



Data Acquisition

Data Quality Assessment

Data Classification

Data Harmonization

Data Analytics

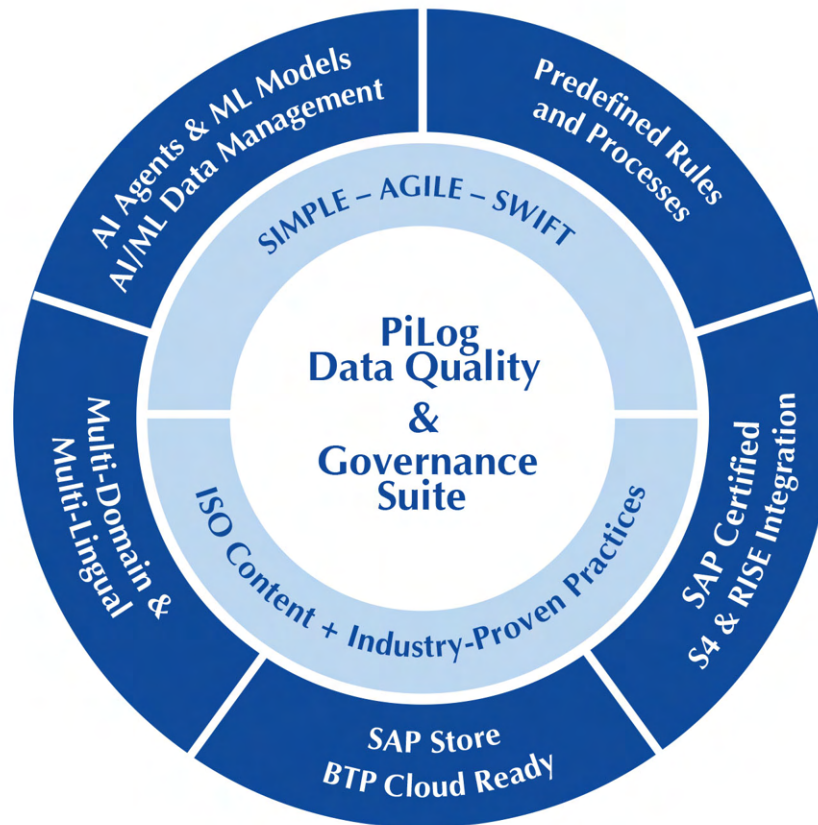
Data Transformation

Data Migration

Data Integration

Data Governance

Data Advisory



■ Industry Best Practices & Standards

■ Integrations

- ◆ SAP BDC Use-Cases
- ◆ SAP APM for Asset Integrity & Reliability
- ◆ SAP BTP & PiLog Solution
- ◆ SAP IBP MRO for Inventory Optimization
- ◆ SAP BN4P for Material & Service Procurement
- ◆ SAP BNAC for OEM & Operator Collaboration
- ◆ SAP S4 HANA for RSH

■ Deployment Options

Deployment Model : On-Cloud (SaaS), Private Cloud & On-Premise

Data Centers : Hyperscalers (SaaS platform)

Data Center countries : NA, EMEA, APJ

Hosting providers : MS Azure, AWS, GCP

Security & Compliance : Compliant with GDPR, SOC 2 Type II , GCC-CCC+

Avg time to Go-Live : Deployment within 30 Days (Pending on total scope)

SaaS Activation : 48 Hrs from subscriptions

Key Capabilities

Features Released

Searchability: Smart (Fuzzy) Search, Parametric Search, Category & UNSPSC Search, Dictionary & Classification Search, Voice Recognition Search

Workflows: Sequential, Parallel, Composite, Graphical Workflow Builder

Comprehensive Governance: Material, Equipment/Asset, Vendor, Customer, On-boarding Process (Vendor, Customer), Fixed Asset Registry, Service, iSPIR, eBOM, fBOM, mBOM, MI, MP, TL, Measuring Point, Business Partner, Article Master, HR Mini Master (Tech. Resources), Work Center (Refer to MRO Spares Availability Slide)

Workbench: Taxonomy Workbench, Rules Configuration Workbench, Data Quality Assessment & Remediation Workbench, Data Integration Workbench, Data Routing Workbench, Data Synchronization Workbench

Integrations: SAP ECC, S/4 HANA Private / Public Cloud, via SAP PI/PO/CPI, IPD, IBP MRO, BNAC, BN4P, APM, FSM, via Business Accelerator HUB

Copilot : AI Lens, AI Agents, Voice-based AI Agent

Agentic AI: Data Harmonization, Task List, Functional Location, Quality Check, Impact Analysis

Mass Data Processing: Create, Change, Extend, Delete & Undelete, Scheduled Batch Processing using AI Agent

Audit Trail: Data Migration Logs, Checksums & Audits, Timeline

Configurators: Service Master, Configurators driven by AI Agents (for scaling): Equipment, Material Master

Mobility: Search, Approve, Upload Documents (Online/Offline), Barcode Scanning, Register New Equipment/Asset, Change Existing Equipment/Asset, SAP QM Objects

Content Foundry: 25M+ Unique Records, 30K+ Templates & Hierarchies for Assets, MRO Spares, and Services

Migration: Open & SMART API for Data Extraction & Loading, Integration with major ERPs, COTs, Databases for structured & unstructured data

Data Transformation: AI-enabled Transformation for Non-Governance-based Master, Meta, and Transactional Data

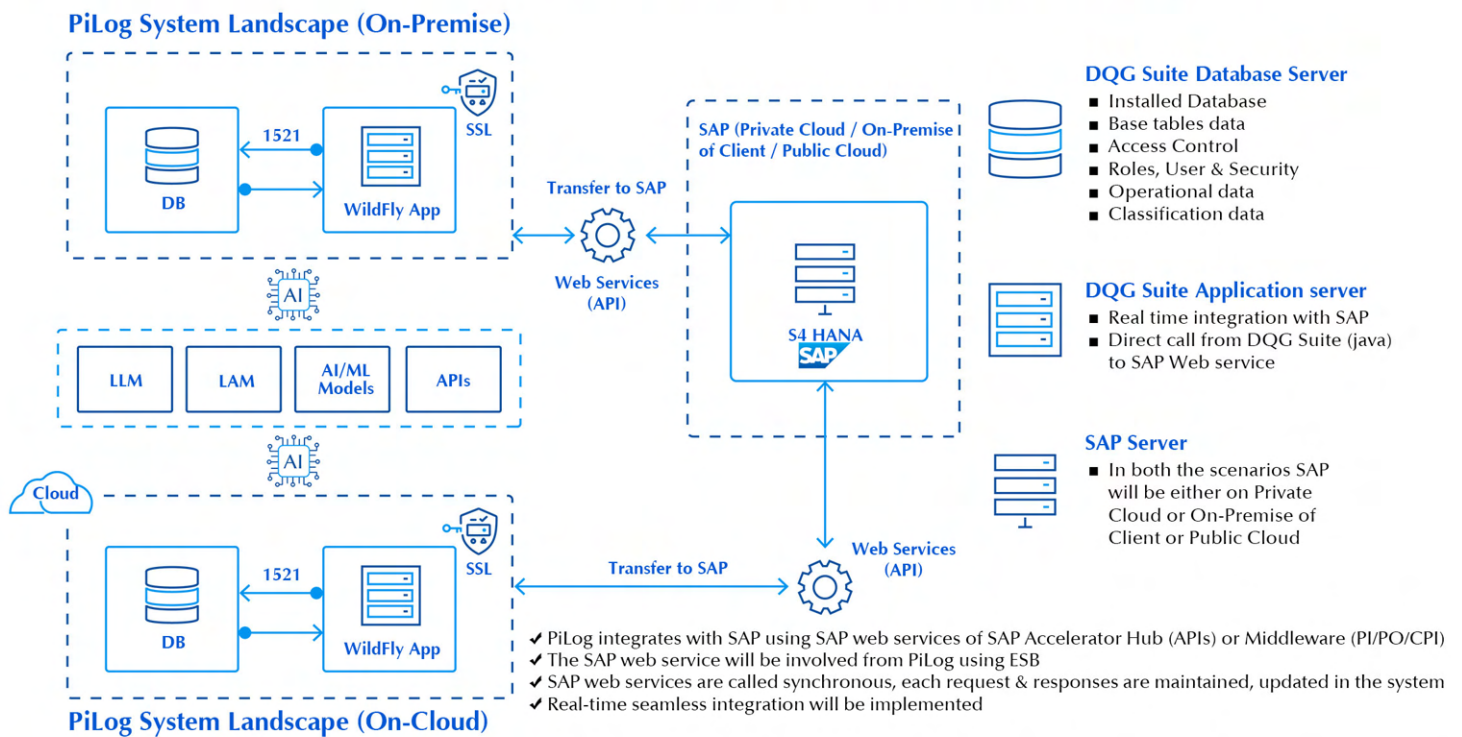
Metadata Optimizers: For Planning, Procurement, Asset, and Execution Business Processes

Criticality Ranking: Asset & Material Maturity Optimizers (Data & Process)

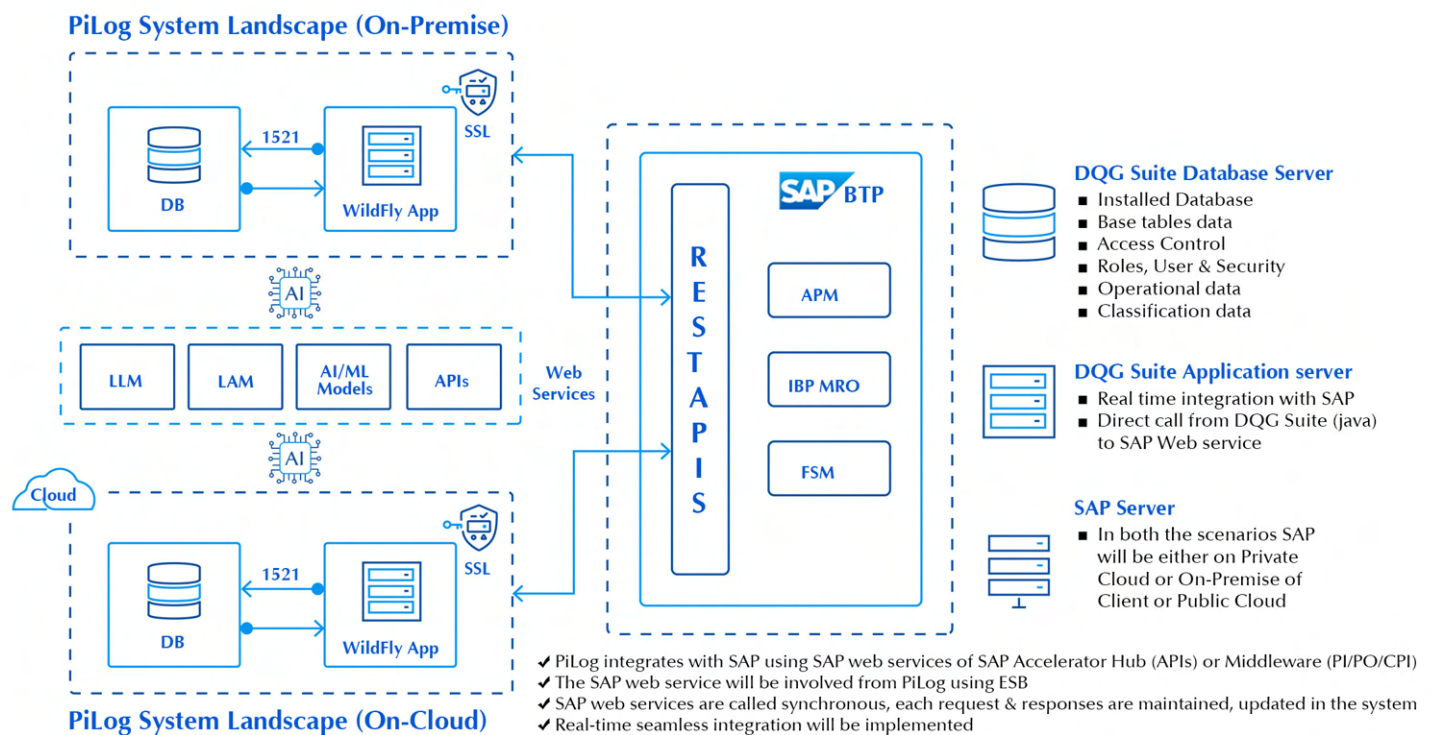
Custom Object: Cost Centre, Profit Centre, etc.

UI/UX: Improved UI using SAP UI5, DH Agent (iSPIR, Mass, PDF, Image), DE Agent, DQ Agent

DQG Suite On-Cloud/On-Premise Landscape



DQG Suite On-Cloud/On-Premise Landscape (for SAP Solutions)



Data Governance

PiLog data governance applies the principles of lean management to the governance of data within organizations. It focuses on ensuring that data-related processes are efficient, effective, and aligned with the organization's goals while minimizing time. Primarily Small and Medium businesses can benefit from this lean Architecture as well as extend it to Enterprise Level.

The Foundation of Data Governance is built on

**Simple**

- ✓ Pre-configured augmented Processes
- ✓ Embedded with standard content
- ✓ Features that are essential
- ✓ Pre-defined models

**Agile**

- ✓ Adaptable for various systems & businesses
- ✓ Scalable, Cloud-First & API-First Architecture
- ✓ Modular, Easy to deploy
- ✓ Sustainable, Flexible & Continuous Improvement

**Swift**

- ✓ Unified User experience
- ✓ Conversational AI
- ✓ Multi-domain, Multi-Lingual business features
- ✓ Quick validations & data quality insights

Supported Data Domains

**Asset**

**Service**

**MRO Spares**

**Article Master**

**iSPIR**

**iFAR**

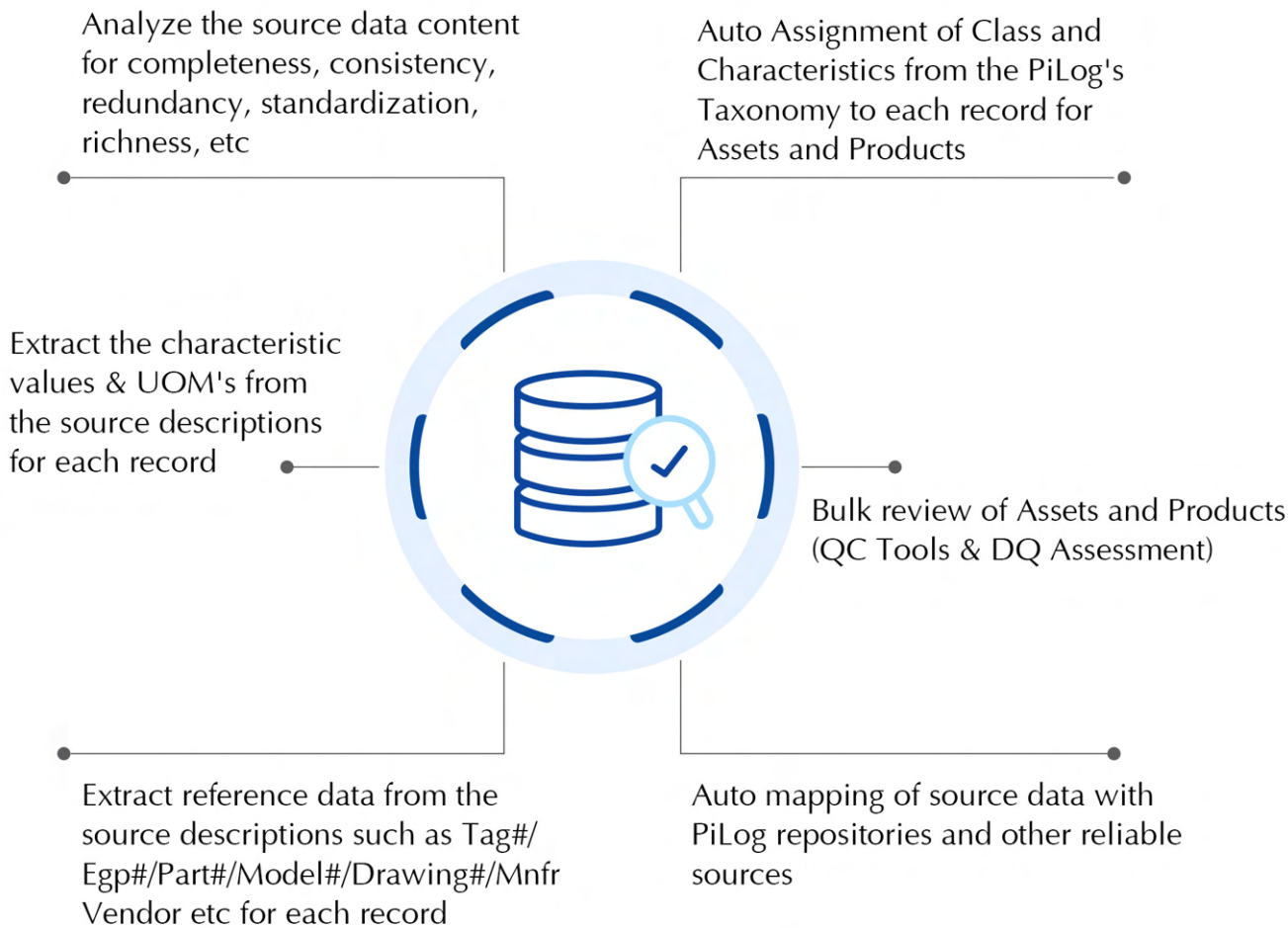
and **25+ EAM Objects**

Asset	Create	Copy	Change	Duplicate Check	Merge	Extend	Delete / Undelete	Block / Unblock	Mass Data Processing
Asset/Equipment Master	✓	✓	✓	✓	✓	✓	✓	NA	✓
Functional Location	✓	✓	✓	✓	✓	✓	✓	NA	✓
Maintenance Plan	✓	✓	✓	✓	✓	✓	✓	NA	✓
Maintenance Item	✓	✓	✓	✓	✓	✓	✓	NA	✓
Task Lists	✓	✓	✓	✓	✓	✓	✓	NA	✓
Measuring Point & Counter	✓	✓	✓	✓	✓	✓	✓	NA	✓
Work Centre	✓	✓	✓	✓	✓	✓	✓	NA	✓
Material Master	✓	✓	✓	✓	✓	✓	✓	NA	✓
mBOM	✓	✓	✓	NA	NA	NA	NA	NA	✓
eBOM	✓	✓	✓	NA	NA	NA	NA	NA	✓
iBOM	✓	✓	✓	NA	NA	NA	NA	NA	✓
Service Master	✓	✓	✓	✓	✓	NA	✓	NA	✓
Model Service Spec(BOS/MSS)	✓	✓	✓	NA	NA	NA	✓	NA	✓
Vendor	✓	✓	✓	✓	✓	✓	NA	✓	✓
Customer	✓	✓	✓	✓	✓	✓	NA	✓	✓

Data Quality

Data Quality Management is aimed to automate the process of standardization, cleansing and management of unstructured / free text data by utilizing ASA (Auto Structured Algorithms) built on PiLog’s taxonomy and the catalog repositories of master data records.

Data Quality Capabilities includes but not limited to



ISO Compliance

Industry Best Practices & Standards (ISO 8000, UNSPSC, DUNS, SOX,ISO 14224, ISO 45000, ISO 55000,11179, IEC 60050 (IEV), 81346, API, TUV3000 etc.)

Master Data Quality (ISO 8000 – 100 Series)

Asset and Location Hierarchy Management ISO 14224-2016

Asset Management ISO 55000 Series

ISMS ISO/IEC 27001:2013, SOC 2 Type II

Quality Management System ISO 9001:2015 Open Technical Dictionaries and DataExchange - ISO 22745 Industrial Data Representation and Exchange - ISO 29002



iContent Foundry

PiLog iContent Foundry is an industrial and ISO-compliant content repository that boasts over **25M+** Golden Records, **30K+** templates, taxonomies, hierarchies, and ontologies, all adhering to best practices. It serves major industries such as Oil and Gas, Petrochemicals, Mining and Metals, Manufacturing, Utilities, Transport, and Facilities. Additionally, it is compatible with any SAP solutions and applications related to Asset, Service, Supply-Chain, Planning, Procurement, Sourcing, Operations, Contracts, Materials, and Services. The repository is powered by several AI/ML models.

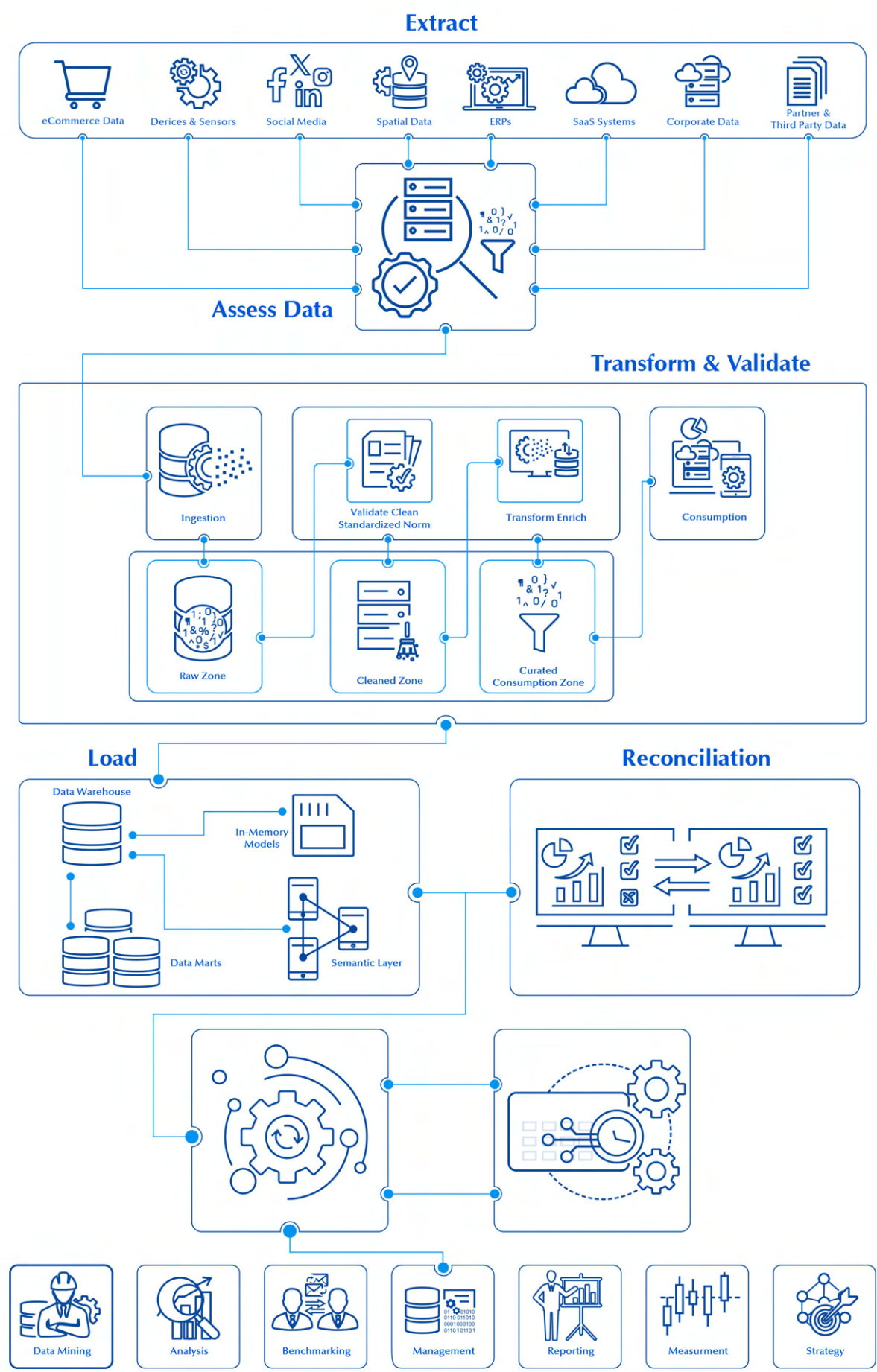
Value Levers

- ◆ 100% ISO & Industry Compliance Data Quality for **AI First**
- ◆ Improved Asset Performance & Parts planning
- ◆ Upto 50% Procurement & Sourcing Efficiencies
- ◆ Accelerates & Transforms **RISE with SAP ROI**
- ◆ Upto 20% Savings on Asset & Service Management
- ◆ Optimized inventory & Work orders completion



Energy & Natural Resources Petro-Chemicals Chemicals, Milling Mining & Metals Railways Cement Iron & Steel Facilities Management Manufacturing Utilities Marine Airports & Aviation Aerospace & Defence Pharma Consumer Products Public Sector	iContent Foundry 25M+ Golden Records 30K+ Templates Spend Management Hierarchies Industry Ontologies	SAP	
		Design (IPD)	Products ◆ Physical & Performance Characteristics ◆ Industrial System Integrations ISO 29002 ◆ Maintenance Strategy & Planning ◆ System Object ISO 81346, BoMS
		Planning (IBP MRO)	Material & Supplier ◆ Spares Catalogue ◆ Spares Criticality ◆ Spares Planning ◆ Sourcing Optimization ◆ EOQ
		BNAC	Asset, Service, EAM, Material & Supplier ◆ Direct & Indirect material ◆ BoMs ◆ Sourcing & Procurement ◆ EAM Data
		Operate (APM)	Assets ◆ System Object ISO 81346 ◆ Asset Hierarchies, Classification, Maintenance BoMs ◆ Failure Codes ISO 14224 ◆ Master Data Quality ISO 8000
		Service (FSM)	Services ◆ Master Data Quality ISO 8000 ◆ Bill of Services ◆ Contracts & Service Procurement

Data Migration



Data Extraction



Data extraction involves pulling information from various source systems using methods like SQL queries, APIs, or file imports. The extracted data is loaded into a staging area, temporarily stored for validation, cleansing, and processing before being moved to its final destination, such as a data warehouse or analytics platform. This approach ensures data integrity, error detection, consistency, and efficient workflows, enabling better data management, decision-making, and business insights. The staging area also provides a controlled environment for addressing data issues before final storage.

Data Validation



Quality checks ensure data accuracy, completeness, and consistency through methods like type validation, null checks, and consistency verification. Sample testing reviews a subset of data to confirm its quality and correctness. Automating validation speeds up the process, especially for large datasets, improving efficiency, reducing manual effort, and enhancing reliability. It ensures consistent results, minimizes human error, and enables real-time processing, making it easier to maintain high-quality, trustworthy data across systems and applications, ultimately supporting better decision-making and operational effectiveness.

Data Transformation



Data mapping involves extracting information from source systems using methods like SQL queries, APIs, or file imports. The extracted data is loaded into a staging area for cleansing and validation, ensuring accuracy and consistency. Afterwards, the data is enriched by adding missing information or deriving new values, enhancing its quality and relevance for analysis. This process ensures high-quality, reliable, and actionable data for informed decision-making, strategic planning, and effective business insights. The result is comprehensive data that supports better performance and drives business success.

Data consolidation and merging



Consolidating sources involves merging data from multiple systems into a unified dataset, ensuring consistency across all information. Once consolidated, the validated and transformed data is loaded into the target system, where it becomes available for business operations. Monitoring the loading process is crucial to track errors or issues, ensuring a smooth transition and timely availability of accurate data for decision-making. This helps maintain data integrity and addresses issues promptly for efficient system operation.

Data Loading



Loading to the target system involves transferring the validated and transformed data into the production environment, making it ready for use in business operations. This step ensures that the data is accurately integrated and accessible for analysis, reporting, and decision-making. Monitoring the loading process is essential to identify and address any errors, discrepancies, or performance issues that may arise, ensuring a smooth and efficient data migration. Continuous monitoring helps maintain data accuracy, system integrity, and performance, minimizing disruptions and supporting reliable, timely insights for informed business decisions.

Reconciliation



Post-migration validation involves performing thorough checks to verify data completeness, accuracy, and integrity in the target system. Creating detailed audit trails documents each migration step, including discrepancies and resolutions, ensuring transparency and accountability. Finally, engaging stakeholders in reviewing the final data ensures it meets business requirements, aligns with organizational goals, and addresses any concerns, confirming migration success, optimizing system performance, and ensuring readiness for operational use and long-term business operations.

SAP MDG Add on

Service Master in SAP Master Data Governance (MDG)

PiLog Group proudly presents the Service Master Taxonomy for SAP Master Data Governance (MDG), a cutting-edge solution that has achieved SAP® Certified Integration write in RISE with SAP S/4HANA® Cloud. Certified by the SAP Integration and Certification Center (SAP ICC), this product leverages standard integration technologies to centralize and govern Service Master data within your organization.

Purpose and Value

**Centralized Data Management:**

Maintain a single source of truth for all Service Master data, ensuring consistency across your business network.

**Improved Data Quality:**

Achieve significant cost savings by enhancing the quality of service Master data through duplicate checks, validation, and derivation rules.

**Operational Excellence:**

Streamline processes with automated workflows, reducing manual effort and errors in service data management.

**Compliance:**

Meet regulatory and organizational requirements with auditable, governance-driven processes.

Key Features

**Ontology Integration:**

Aligns data with industry standards using PiLog's Class, Characteristics, and Values.

**Duplicate Check:**

100% improved detection based on Class and Characteristics.

**Fiori Interface:**

Modern, role-based UI with customizable fields.

**Advanced Search:**

Smart, Classification, Parametric, and Model-Specific searches.

**Workflows:**

Configured for four roles with auditability and SLA reporting.

Material Master Taxonomy for SAP Master Data Governance

SAP Integration and Certification Center (SAP ICC) has certified PiLog's Material Master Taxonomy for SAP Master Data Governance as integrated with RISE with SAP S/4HANA® Cloud using standard integration technologies. This integration helps organizations to implement best industry practices to improve supply-chain, maintenance and procurement processes.

Key Benefits



100% ISO Compliant:
Adheres to global standards.



100% Duplicate Detection:
Robust checks using Class, Characteristics, and Part Number.



100% Searchability:
Fast and accurate data retrieval.



50% Improved Descriptions:
More informative material descriptions.



10% Inventory Savings:
Optimized data reduces costs.

Key Features



Class and Characteristics:
Create and manage for precise categorization.



Duplicate Check:
100% improved detection based on Class and Characteristics.



PiLog Repository:
Characteristic value dropdowns via microservices.



Ontology Management:
Download and transfer with linked data.



Workflows:
Configured for four roles with auditability and SLA reporting.

AI Lens is PiLog's Copilot, a virtual assistant embedded in Suite

The Conversational AI is application of Artificial Intelligence that simulates human-like conversations engaged in answering queries, guides the users as subject matter expert, provides insights on specific data points, showcases the analytics, pivoting the data, transverse the processes as per the personalized configuration

AI Lens is conceived & designed

- ✓ Conversational AI
- ✓ Scaled-down LLM & LAM Model
- ✓ Generative AI Approach
- ✓ Trained Contextually
- ✓ NLP Model
- ✓ Knowledge base
- ✓ Augmented AI
- ✓ Configurable features
- ✓ Simple & Extended Analytics
- ✓ Real-time & Staged Integration with SAP or Oracle or APIs
- ✓ Guide as Subject Matter Expert
- ✓ Qualitative Validations & more
- ✓ Multimodal Understanding
- ✓ Auto-learning & Continuous Improvement
- ✓ Domain Adaptation & Customization

What's Possible With AI Lens

Enhanced Data Governance

- ◆ Automated compliance checks
- ◆ Enforcing data quality standards
- ◆ Maintain comprehensive audit trails

Improved Operational Efficiency

- ◆ Streamlined processes
- ◆ Reduced manual intervention
- ◆ Accelerated time-to-insight
- ◆ Strategic resource allocation

Advanced Predictive Analytics

- ◆ Anticipate market trends
- ◆ Forecast business outcomes
- ◆ Identify growth opportunities
- ◆ Informed decision-making

Drive Revenue & Growth

- ◆ Transparency & accountability
- ◆ Competitive advantage
- ◆ Risk Mitigation
- ◆ Actionable insights

Scalability & Adaptability

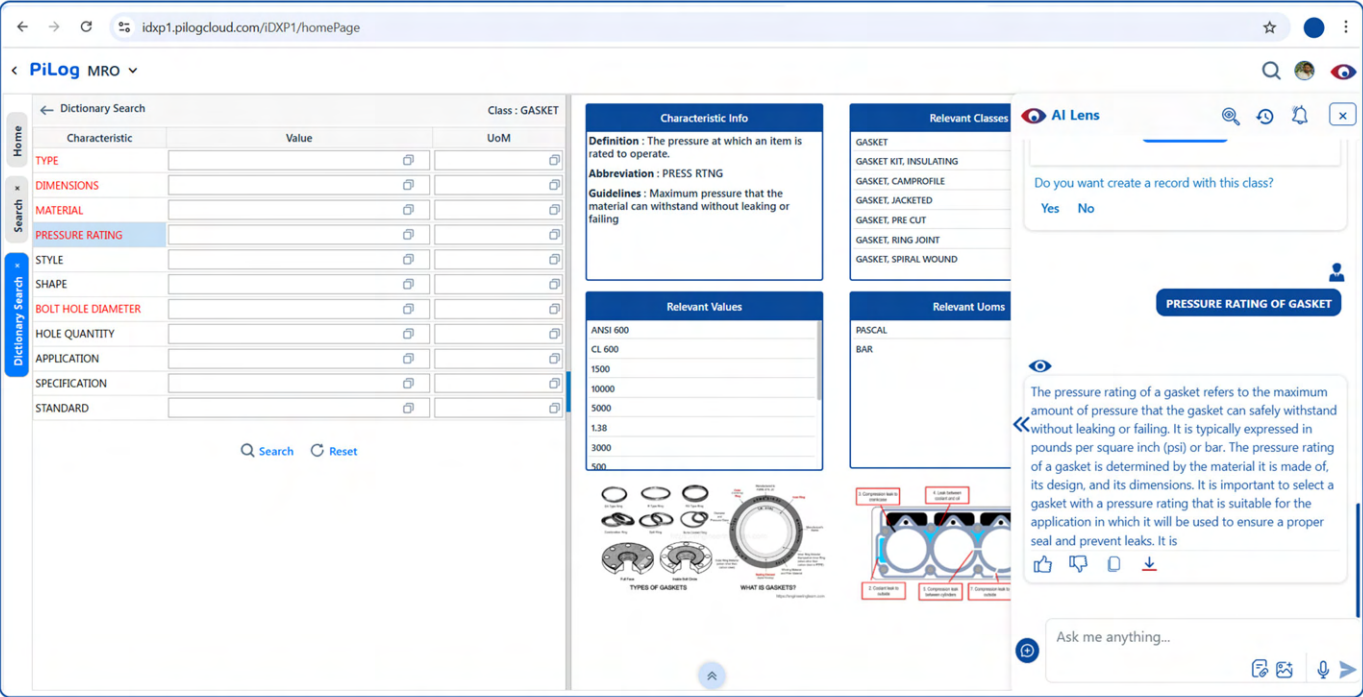
- ◆ Expanding data volumes & diverse data sources
- ◆ Scaling operations globally
- ◆ Agility & resilience in data management strategies
- ◆ Adaption to regulatory changes

AI Lens Use Cases

Use Case 1 - Product - Knowledge Base

✓ Invoking AI Lens on the Characteristic Name Selection

Eg: PRESSURE RATING of GASKET



Dictionary Search Class : GASKET

Characteristic	Value	UoM
TYPE		
DIMENSIONS		
MATERIAL		
PRESSURE RATING		
STYLE		
SHAPE		
BOLT HOLE DIAMETER		
HOLE QUANTITY		
APPLICATION		
SPECIFICATION		
STANDARD		

Characteristic Info

Definition : The pressure at which an item is rated to operate.

Abbreviation : PRESS RTNG

Guidelines : Maximum pressure that the material can withstand without leaking or failing

Relevant Classes

- GASKET
- GASKET KIT, INSULATING
- GASKET, CAMPROFILE
- GASKET, JACKETED
- GASKET, PRE CUT
- GASKET, RING JOINT
- GASKET, SPIRAL WOUND

Relevant Values

- ANSI 600
- CL 600
- 1500
- 10000
- 5000
- 1.38
- 3000
- 500

Relevant Uoms

- PASCAL
- BAR

AI Lens

Do you want create a record with this class?

Yes No

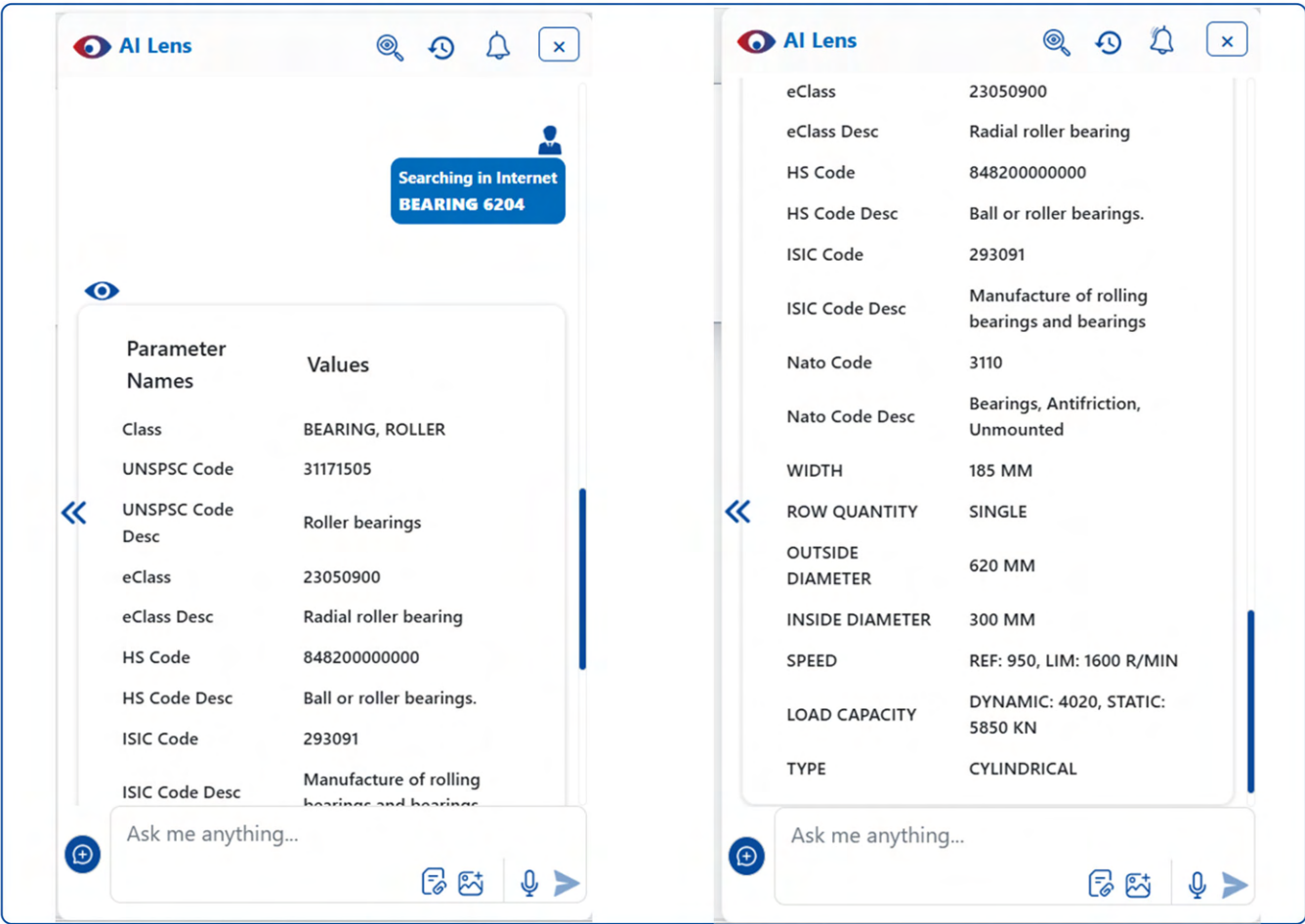
PRESSURE RATING OF GASKET

The pressure rating of a gasket refers to the maximum amount of pressure that the gasket can safely withstand without leaking or failing. It is typically expressed in pounds per square inch (psi) or bar. The pressure rating of a gasket is determined by the material it is made of, its design, and its dimensions. It is important to select a gasket with a pressure rating that is suitable for the application in which it will be used to ensure a proper seal and prevent leaks. It is

Ask me anything...

✓ You can search any description on 'Local Premise' or 'PiLog Cloud' or 'Internet'

✓ Searching for 'BEARING 6204' on Internet & 'View Details' on Local Premise



AI Lens

Searching in Internet
BEARING 6204

Parameter Names	Values
Class	BEARING, ROLLER
UNSPSC Code	31171505
UNSPSC Code Desc	Roller bearings
eClass	23050900
eClass Desc	Radial roller bearing
HS Code	848200000000
HS Code Desc	Ball or roller bearings.
ISIC Code	293091
ISIC Code Desc	Manufacture of rolling bearings and bearings

Ask me anything...

AI Lens

eClass	23050900
eClass Desc	Radial roller bearing
HS Code	848200000000
HS Code Desc	Ball or roller bearings.
ISIC Code	293091
ISIC Code Desc	Manufacture of rolling bearings and bearings
Nato Code	3110
Nato Code Desc	Bearings, Antifriction, Unmounted
WIDTH	185 MM
ROW QUANTITY	SINGLE
OUTSIDE DIAMETER	620 MM
INSIDE DIAMETER	300 MM
SPEED	REF: 950, LIM: 1600 R/MIN
LOAD CAPACITY	DYNAMIC: 4020, STATIC: 5850 KN
TYPE	CYLINDRICAL

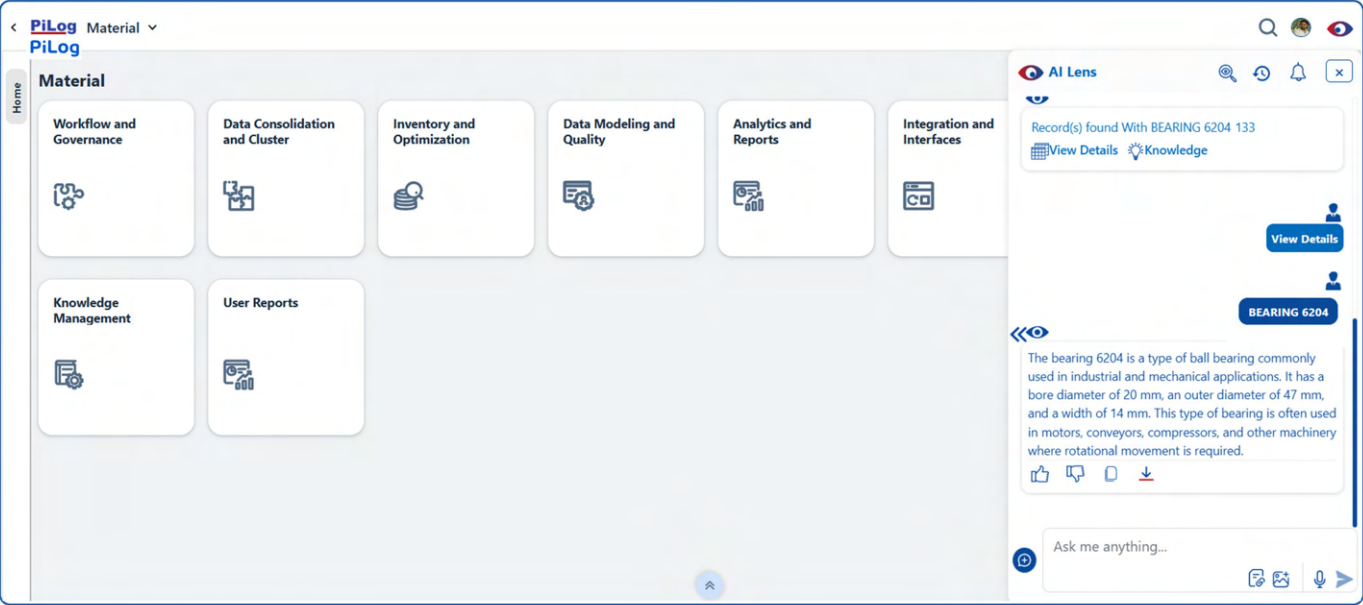
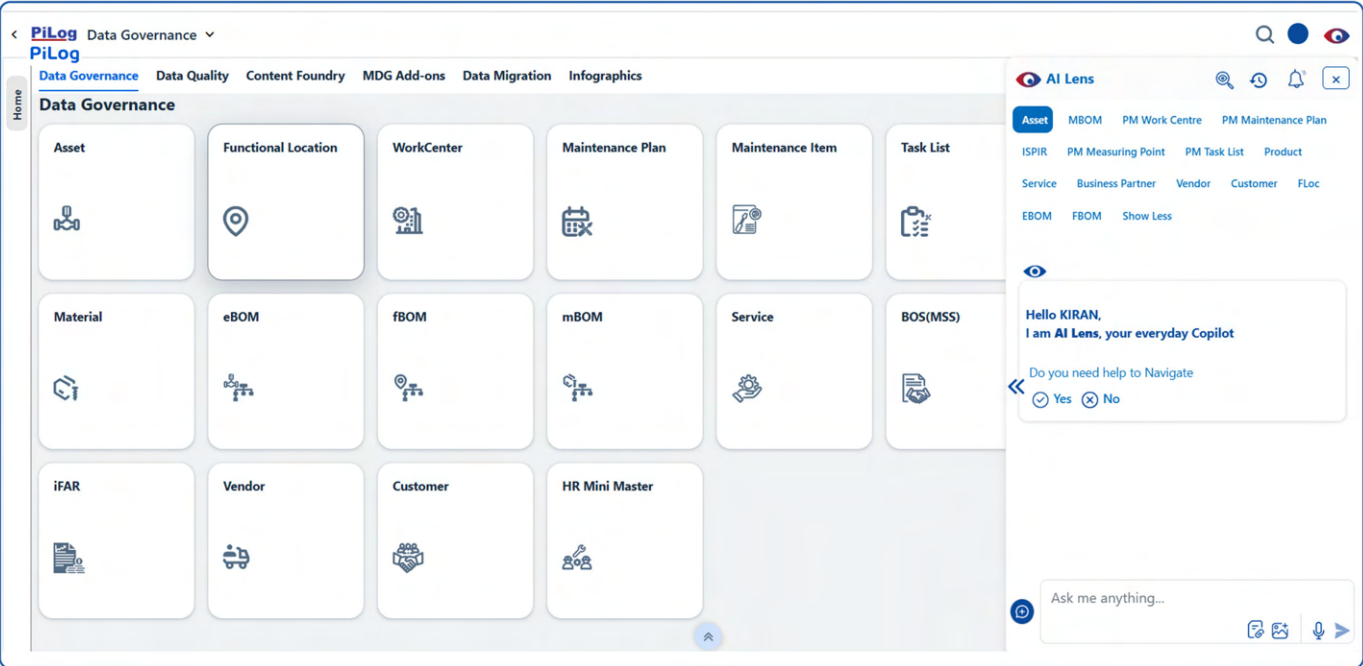
Ask me anything...

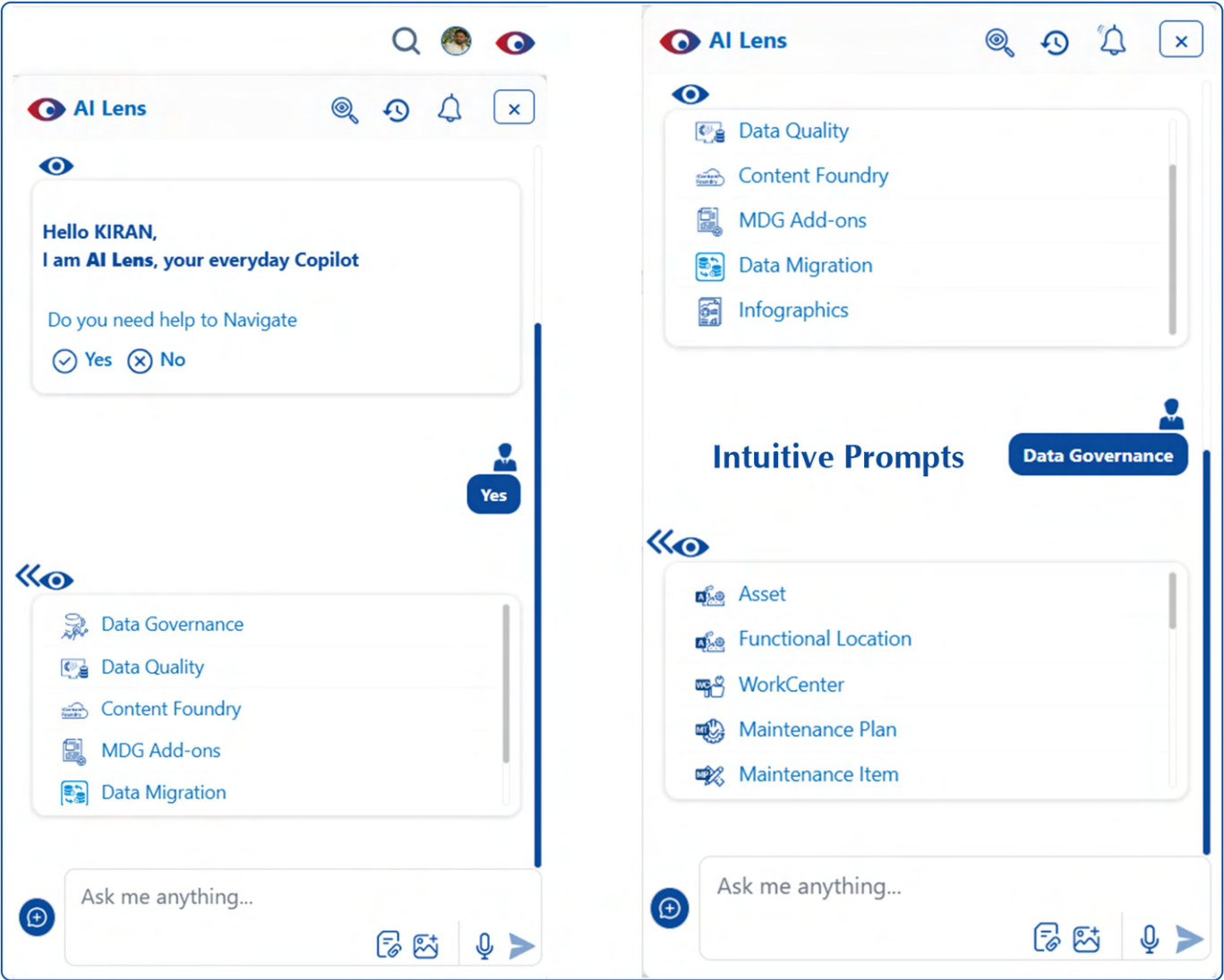
✓ View Details' on Local Premise

PiLog Data Quality and Governance Suite										
AI Info										
Record No	ERP No	Class	Short Desc	Purchase Desc	Instance	Business Unit	Status	Mat Type	Mat Group	
M010117364	NIR-5014610	BEARING, BALL	BRNG BALL:1.20 mm,47 mm,Bearing Steel	BEARING, BALL: ROW QUANTITY: 1, INSIDE DIAMETER: 20 mm, OUTSIDE DIAMETER: 47 mm, MATERIAL: Bearing Steel, SPEED: 32.000 R/min;MANUFACTURER PART NO: 6204, MANUFACTURER: TRICE ENTERPRISES	100	1000	A1-REGISTERED	ERSA	31171504	
M010117366	0000000000000002197	BEARING, BALL	BRNG BALL:1.47 mm,14 mm,Bearing steel	BEARING, BALL: ROW QUANTITY: 1, OUTSIDE DIAMETER: 47 mm, WIDTH: 14 mm, MATERIAL: Bearing steel, SPECIFICATION: DETAILS:MANUFACTURER PART NO: 6204K, MANUFACTURER: TRICE ENTERPRISES	100	1000	B2-ERP ACCEPTED	ERSA	31171504	
M010117351	NIR-5014597	BEARING, THRUST	BRNG THRST:Cylindrical,47 mm,14 mm,SS	BEARING, THRUST; TYPE: Cylindrical, OUTSIDE DIAMETER: 47 mm, WIDTH: 14 mm, MATERIAL: Bearing Steel, CAGE MATERIAL: SS;MANUFACTURER PART NO: 6204, MANUFACTURER: EVEREST TOOLS & HARDWARE STORES	100	1000	A3-REGISTERED	ERSA	31171507	
M010116855	NIR-5014101	BEARING, BALL	BRNG BALL:1.20 mm,47 mm,14 mm,6204121	BEARING, BALL: ROW QUANTITY: 1, INSIDE DIAMETER: 20 mm, OUTSIDE DIAMETER: 47 mm, WIDTH: 14 mm, MATERIAL: Bearing Steel, CAGE MATERIAL: Sheet Metal, SPEED: 32.000 R/min;MANUFACTURER PART NO: 6204121, MANUFACTURER: TRICE ENTERPRISES	100	1000	A12-APPROVED FOR ERP	ERSA	31171504	
M010116744	NIR-5013990	BEARING, BALL	BEARING,BALL:DEEP GROOVE,SINGLE,20MM	BEARING, BALL: TYPE: DEEP GROOVE, ROW QUANTITY: SINGLE, INSIDE DIAMETER: 20 MM, OUTSIDE DIAMETER: 47 mm MM, WIDTH: 14 MM,21211 MM, MATERIAL: Bearing Steel, SPEED: REF: 32000, LHM: 20000 R/MIN, LOAD CAPACITY: DYNAMIC: 15.6, STATIC: 7.65 KN;MANUFACTURER PART NO: 6206, MANUFACTURER: PAGODA ENGINEER'S, MANUFACTURER PART NO: 62045, MANUFACTURER: TRICE ENTERPRISES	100	0001	A3-REGISTERED	ERSA	789654	
M010116744	NIR-5013990	BEARING, BALL	BEARING,BALL:RAINURE PROFONDE,UNIQUE	BEARING, BALL: TYPE: RAINURE PROFONDE, RANGÉES: UNIQUE, DIAMÈTRE INTÉRIEUR: 20 MM, DIAMÈTRE EXTERIEUR: 47 mm MM, LARGEUR: 14 MM,21211 MM, MATÉRIEL: Bearing Steel, VITESSE: REF: 32000, LHM: 20000 R/MIN, CAPACITÉ DE CHARGE: DYNAMIC: 15.6, STATIC: 7.65 KN;MANUFACTURER PART NO: 6206, MANUFACTURER: PAGODA ENGINEER'S, MANUFACTURER PART NO: 62045, MANUFACTURER: TRICE ENTERPRISES	100	0001	A3-REGISTERED	ERSA	789654	

Use Case 2 – Navigation with Intuitive Prompts

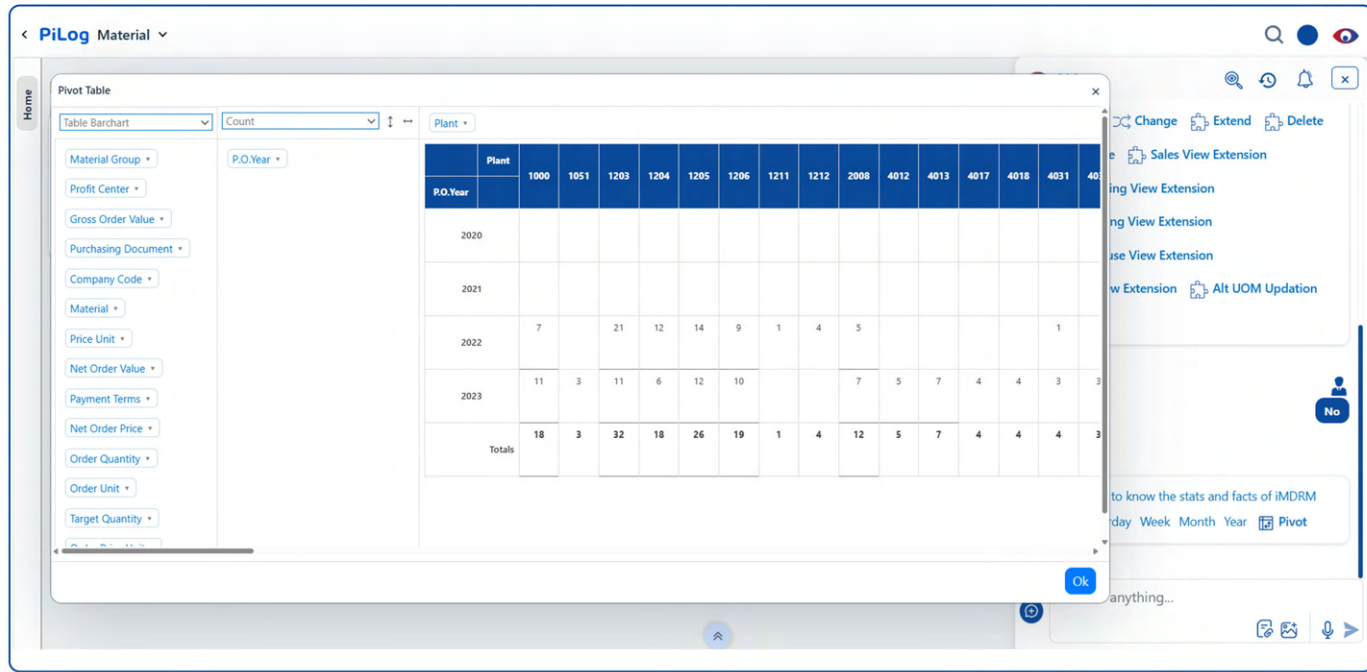
✓ Navigation across the application through AI Lens with user friendly (Intuitive) Prompts, in SAP UI5 Theme





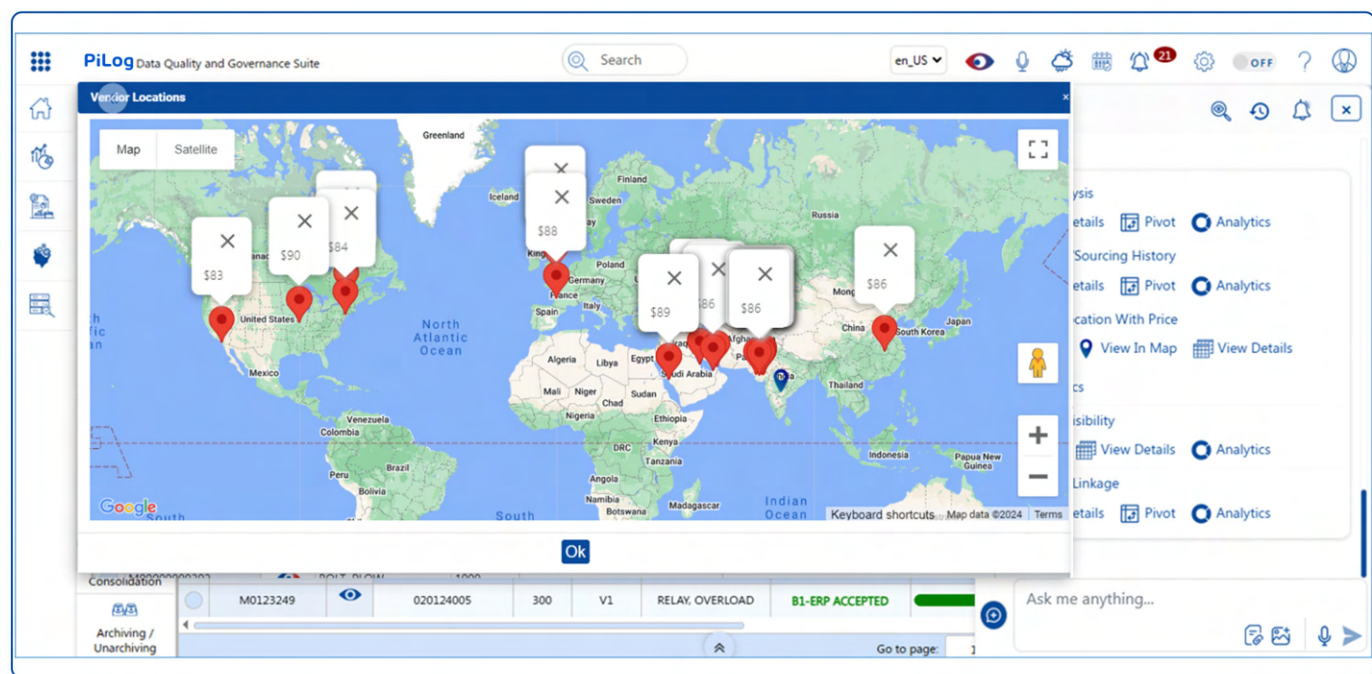
Use Case 3 - Analytics (Pivot Table)

✓ A Pivot Table lets you rotate the data and look at it from different Angles or perspectives



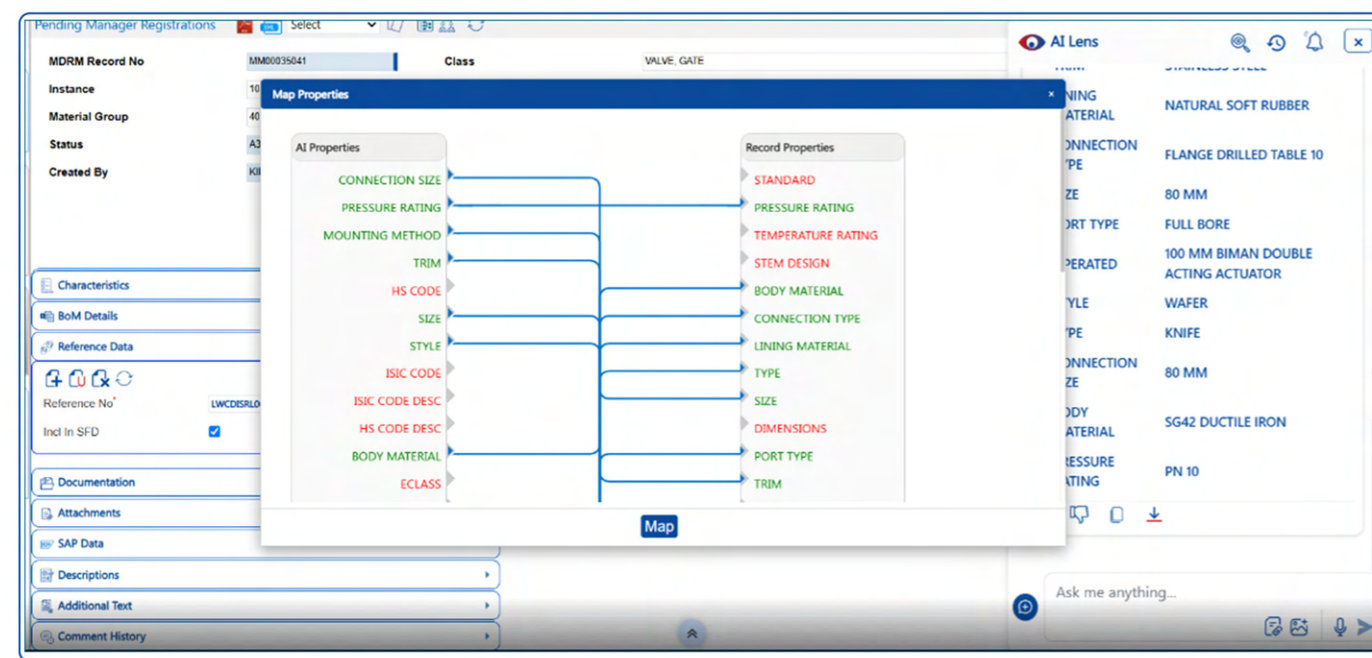
Use Case 4 - Sourcing Location with Price (approx.)

- ✓ Highlighting Locations with Price details using AI Lens



Use Case 5 - Enrichment Via iContent (or) ISLexitas

- ✓ Product Creation - Data Science API is used to enrich the relevant data based on the Reference Number from Manufacturing Website



Agentic AI Overview

AI Agents

DH-007 - Data Harmonization

QC-007 – Quality Check

TL-007 - Task List

IA-007 – Impact Analysis

FL-007 – Functional Location



DH-007 – Data Harmonization

It standardizes, cleans, and integrates data from multiple sources to ensure consistency and usability, while resolving duplicates, format mismatches, and missing values, ultimately preparing the data for accurate processing in downstream workflows.

TL-007 – Task List

It defines the structured sequence of actions for the AI Agent to execute, enabling automation, prioritization, and progress tracking of tasks, while supporting dynamic updates based on real-time conditions.

FL-007 – Functional Location

It identifies the exact location, system module, or database where the task will be executed, ensuring accurate targeting of data and operations while maintaining context awareness for correct process execution.

QC-007 – Quality Check

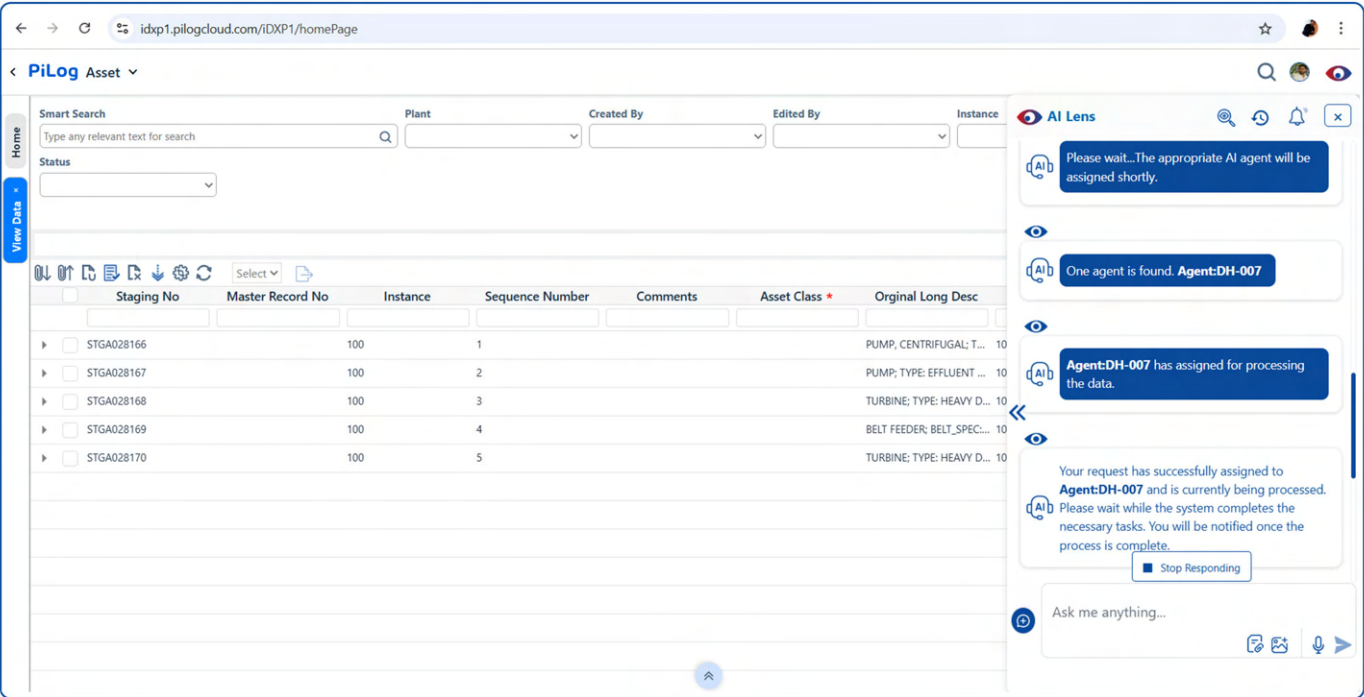
It validates data accuracy, completeness, and compliance before finalizing the output, detecting and correcting errors or anomalies in processing, and acting as the final safeguard for workflow integrity.

IA-007 – Impact Analysis

It assesses the potential effects, risks, and dependencies of a planned change or action, forecasts outcomes to support informed decision-making, and recommends preventive or corrective measures.

Use Case 1 : DH-007 – Data Harmonization

Data harmonization for assets and products is powered by AI Agents that automatically identify inconsistencies, standardize formats, align attributes to governance rules, and ensure seamless classification across systems enabling a unified, accurate, and analytics-ready dataset.



Use Case 2 : TL-007 - Task List

A Task List in an AI Agent represents the structured sequence of actions, decisions, and operations the agent must perform to achieve a specific goal.

idxp1.pilogcloud.com/IDXP1/homePage

PiLog Task List

Mass Registration

Processed Mass Registration Records

Staging No

Master Record No

Instance

Sequence Number

Comments

Plant *

Task List Type *

STGA028171

100

1

Record Verified

1000

A

A3-RE

Go to page: 1 Show rows: 50

Task Lists

Task Lists Operations

Task Lists Operations Components

Potential Duplicates

Staging No

Master Record No

Instance

Sequence Number

Status

Batch_Id

Grpcr

STGA028171

100

1

A3-REGISTERED

800000000193555

30

1000

STGA028171

100

1

A3-REGISTERED

800000000193555

60

1000

STGA028171

100

1

A3-REGISTERED

300000000193555

40

1000

AI Lens

Please wait...The appropriate AI agent will be assigned shortly.

One agent is found. Agent:TL-007

Agent:TL-007 has assigned for processing the data.

Your request has successfully assigned to Agent:TL-007 and is currently being processed. Please wait while the system completes the necessary tasks. You will be notified once the process is complete.

Stop Responding

AI TASK LIST_V8 1.xlsx

Ask me anything...

Use Case 3 : FL-007 - Functional Location

Specifies the exact location, source, or system module where relevant data resides or where an operation must be performed, enabling the AI Agent to accurately access, process, and manage information within the correct business context.

PiLog Floc

Smart Search

Type any relevant text for search

Plant

Created By

Edited By

Instance

Status

STGA028172

100

1

Main Refinery Plant

Main Refinery Plant

10

STGA028173

100

2

Desalter Unit

Desalter Unit

10

STGA028174

100

3

Desalter Pump Station

Desalter Pump Station

10

STGA028175

100

4

Desalter Feed Pump 1 - ...

Desalter Feed Pump 1 - ...

10

STGA028176

100

5

Desalter Feed Pump 2 - ...

Desalter Feed Pump 2 - ...

10

STGA028177

100

6

Pump Suction Isolation ...

Pump Suction Isolation ...

10

STGA028178

100

7

Pump Discharge Valve

Pump Discharge Valve

10

STGA028179

100

8

Electric Motor for Pump ...

Electric Motor for Pump ...

10

AI Lens

Data imported successfully in staging area. In Uploaded Document we found 8 Function Location(s)

Batch No B00000000193556

Imported Rows 8

Agent:FL-007 Data processing initiated.

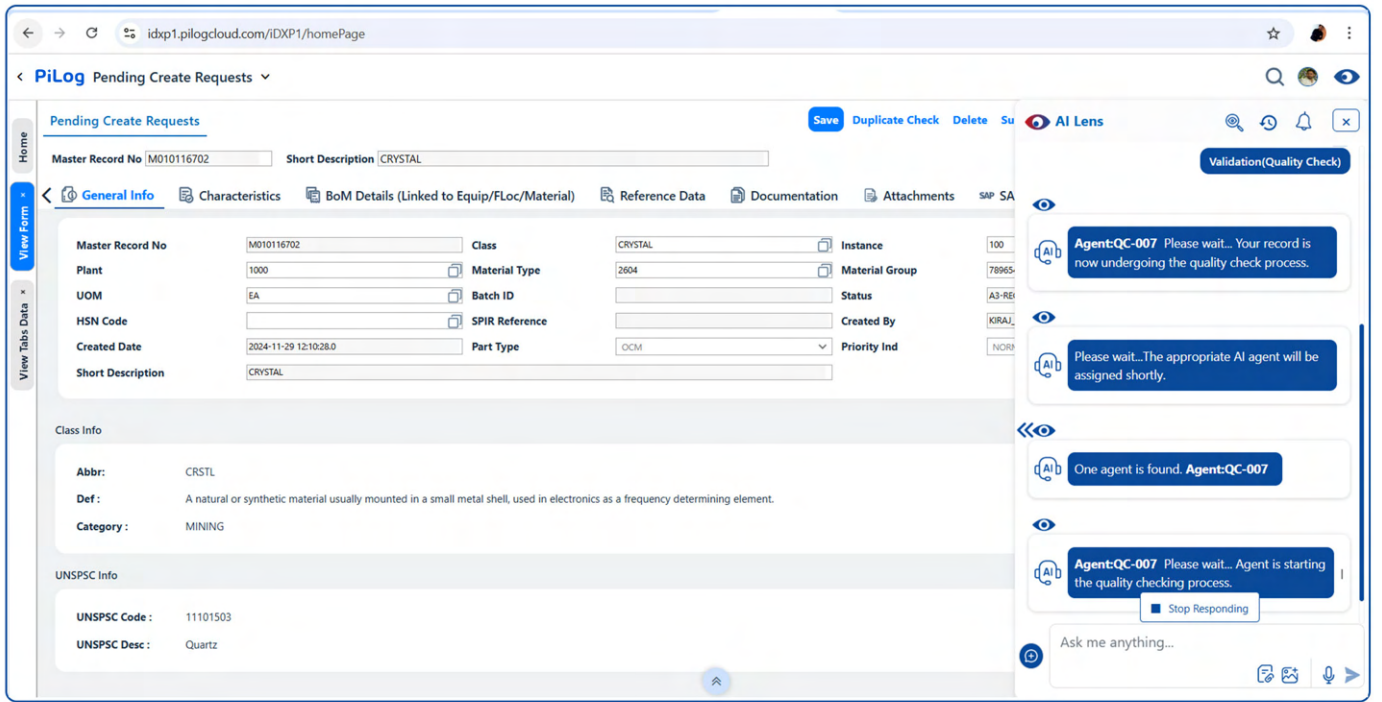
Agent:FL-007 Quality Check process initiated for 8 record(s).

Stop Responding

Ask me anything...

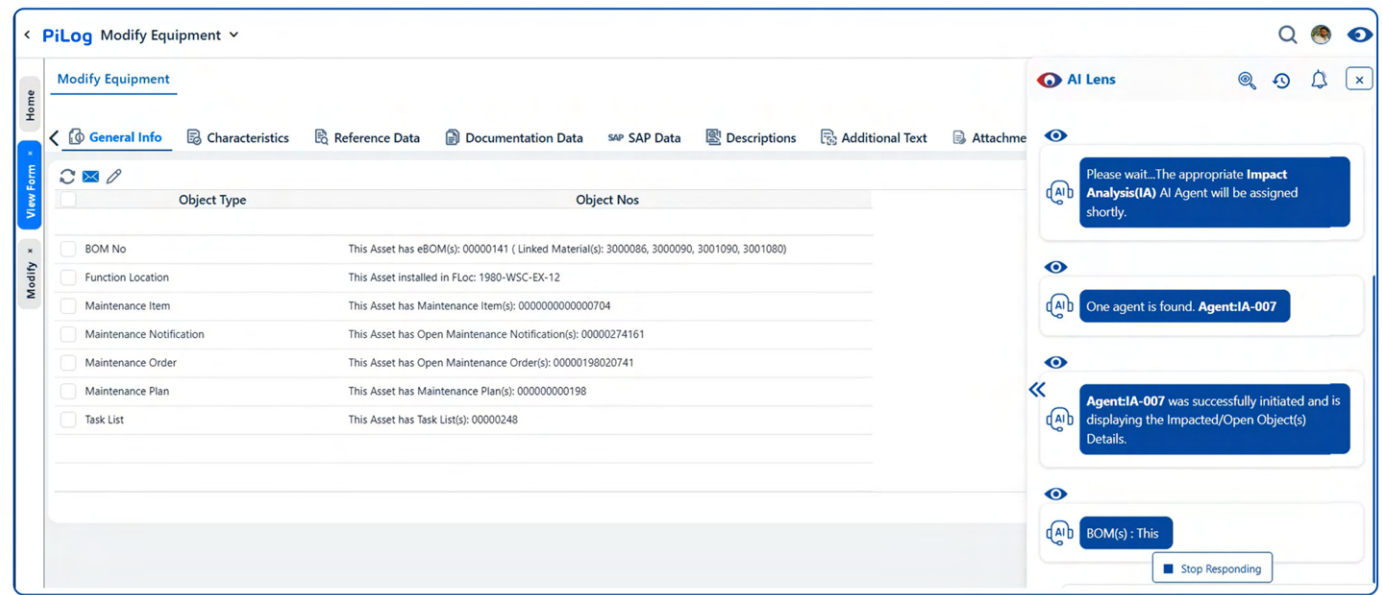
Use Case 4 : QC-007 - Quality Check

The Quality Check process in an AI Agent ensures that all generated outputs, processed data, or executed workflows meet predefined accuracy, consistency, and compliance standards.



Use Case 5 : IA-007 - Impact Analysis

Evaluates the potential effects, risks, and dependencies of a change or action before execution to ensure informed and optimal decision-making.



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