Que® AI Overview

GLOBAL PRODUCT DATA

INTEROPERABILITY

SUMMIT 2025

Nate Nalven & Gauri Gujarathi

eQ Technologic, Inc.

Agenda

- Welcome
- eQ & eQube Introduction
- Que®
  - What is Que®
    - Que Analytics, Que Integrations, Que Agents
  - Que® AI Solutions
    - Que® Wiz
    - AI Document Q & A Solution
    - AI Search on TC classifications and objects during COTS part creation workflow
    - AI Document Extraction for Migration Solution
- Upcoming Features
- Q & A

Que® is designed to

Facilitate Adoption

Further democratizes the eQube-DaaS platform by reducing the learning curve for faster time to adoption

Boost Productivity

Accelerates building solutions using AI automated actions & contextual suggestion through an intuitive prompt interface

Prioritize Security

Bring AI to data, rather than uploading data to AI. Safeguards implemented to ensure enterprise data is protected

Enable flexible Deployments

Support for multiple LLMs with on-prem and cloud infrastructure ensures platform agnostic deployments

Introducing Que™

- Que® empowers the eQube®-DaaS platform with AI capabilities to make your journey from intent to action smoother and more efficient than ever before.

- It is driven by eQube®-ADA and leverages the power of cutting-edge AI technologies that includes Large Language Models (LLMs)

QUE® **ANALYTICS –**

Smarter insights, faster outcomes—powered by AI

Users having conversations with the digital backbone across all applications

Sample queries for the Users by the Users

- Context based incremental query support

- Aggregation queries
  - average sales by region
  - count of employees for department MAT
  - how many changes are rejected
  - count of employees that joined in 2024
  - average budgeted hours by type

- Data distribution queries
  - Distribution of changes by program
    [or just “Distribution of Program”]
  - Show bar/ring/pie chart of distribution of sales by region

- Trend queries
  - trend of sales by order date
  - monthly trend of income by date

- Key driver analysis
  - Show top factors affecting income
  - top 3 factors affecting sales

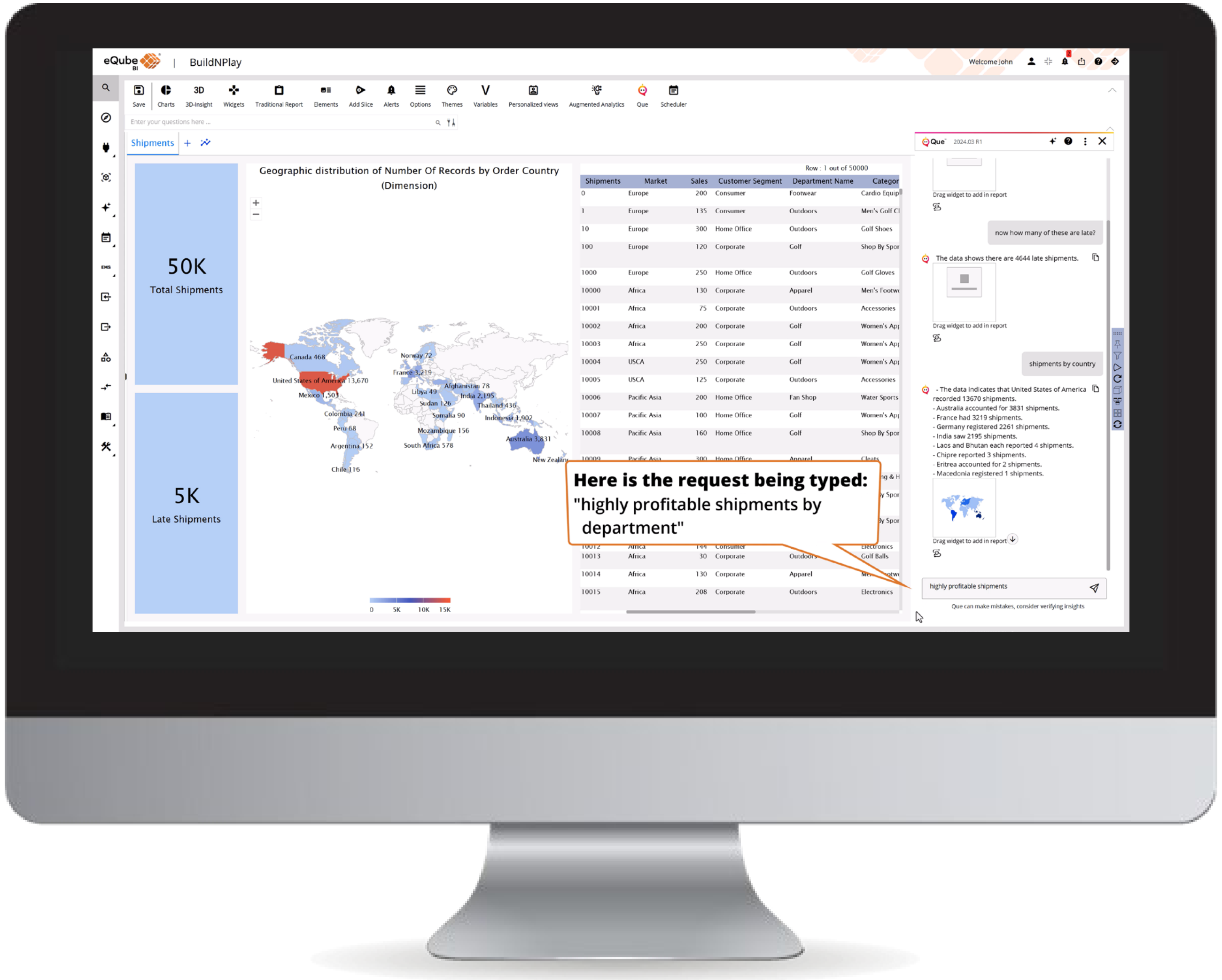
- Top N queries
  - show top 2 market by sales
  - Give me change with best actual amount

- Clarification queries
  - show active employees
    (Clarification answer – active is when date of leaving is empty)
  - show count of late changes
    (Clarification answer - late is when actual vs scheduled hours difference is greater than 0)
  - Note: Clarification for unknown terms, can also be provided as part of query itself.

- Listing queries
  - list of changes owned by Pankaj
  - list of project names for x1
  - list of changes by project

Que® Analytics – Building Dashboards

- Automatic data cube built using ontology based semantic data model
- Prompt based interface to build interactive dashboards
- Context maintained to avoid repeat questions
- Support for multiple LLMs with on-prem and cloud infrastructure



Rapid dashboard building with Que®

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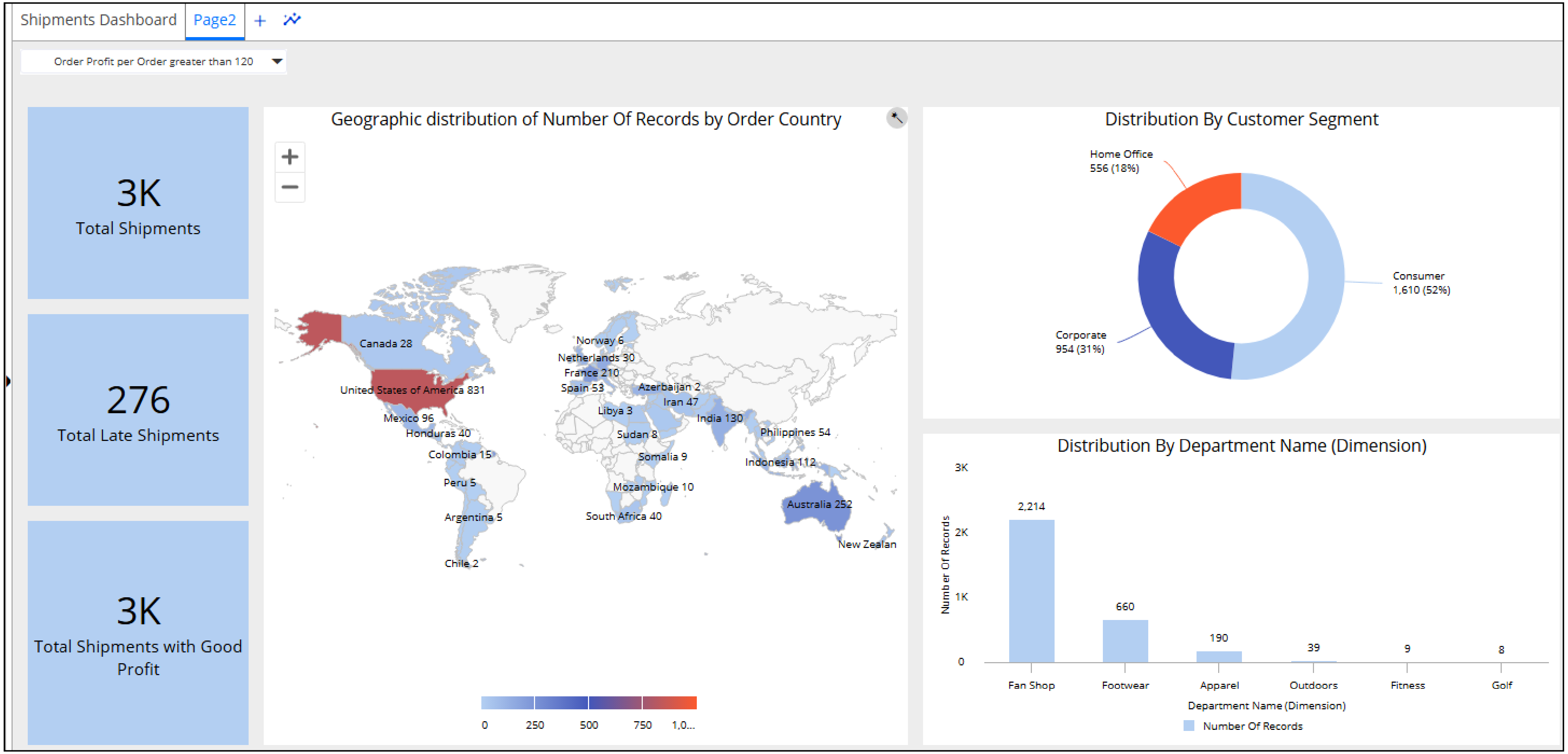

QUE® INTEGRATIONS – LET AI HANDLE THE HEAVY LIFTING

Unleashing the potential of your eQube Solution Configurators

Que® Integrations – Building APIs and Integrations

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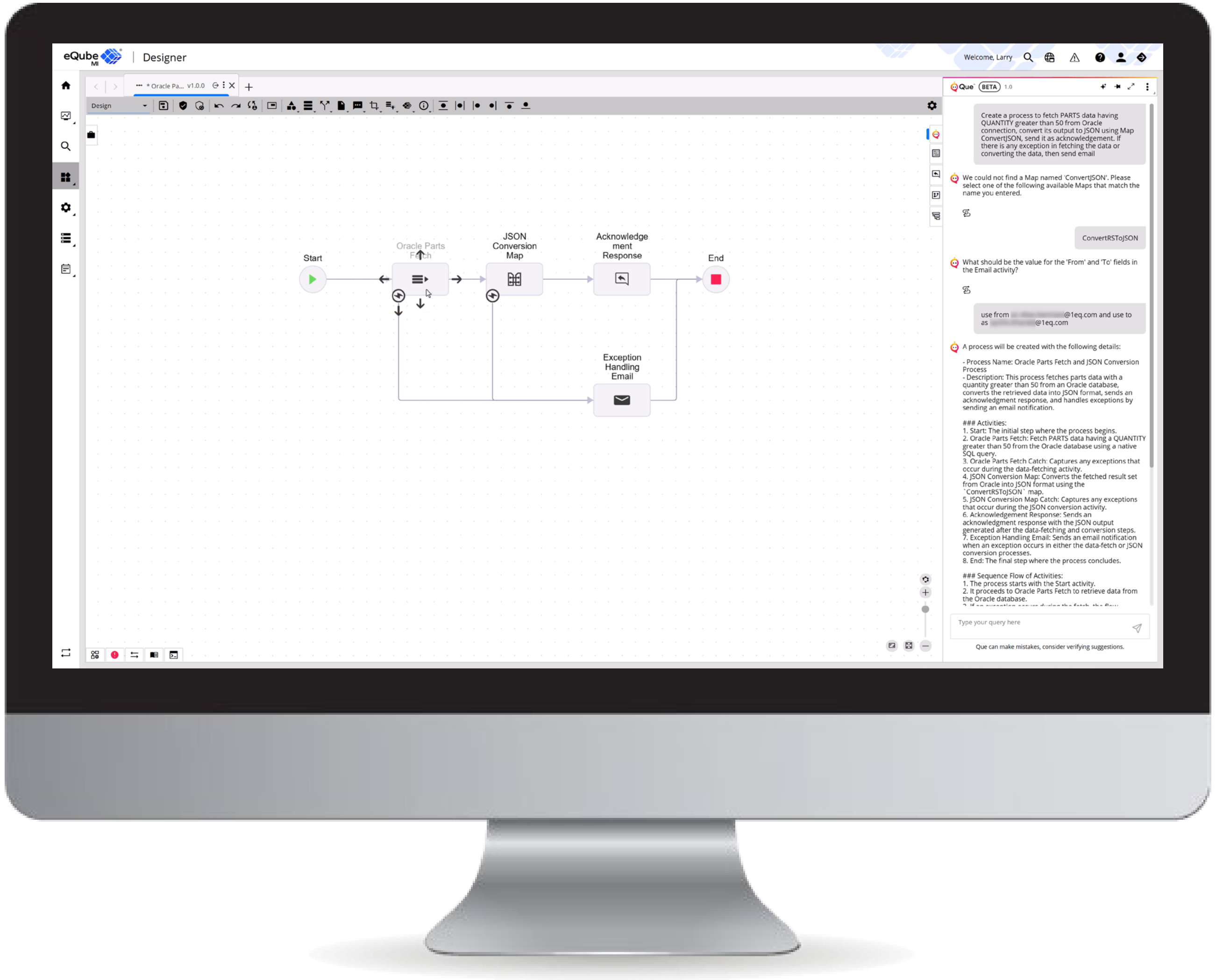
- Iteratively create processes, maps, views, trigger configurations using simple natural language prompts
- Indexing knowledge and Invoking AI service
- Conversational interface to update eQube-MI entities
- Generating SQL or other queries using natural language
- AI Thought – How AI understood and processed user query

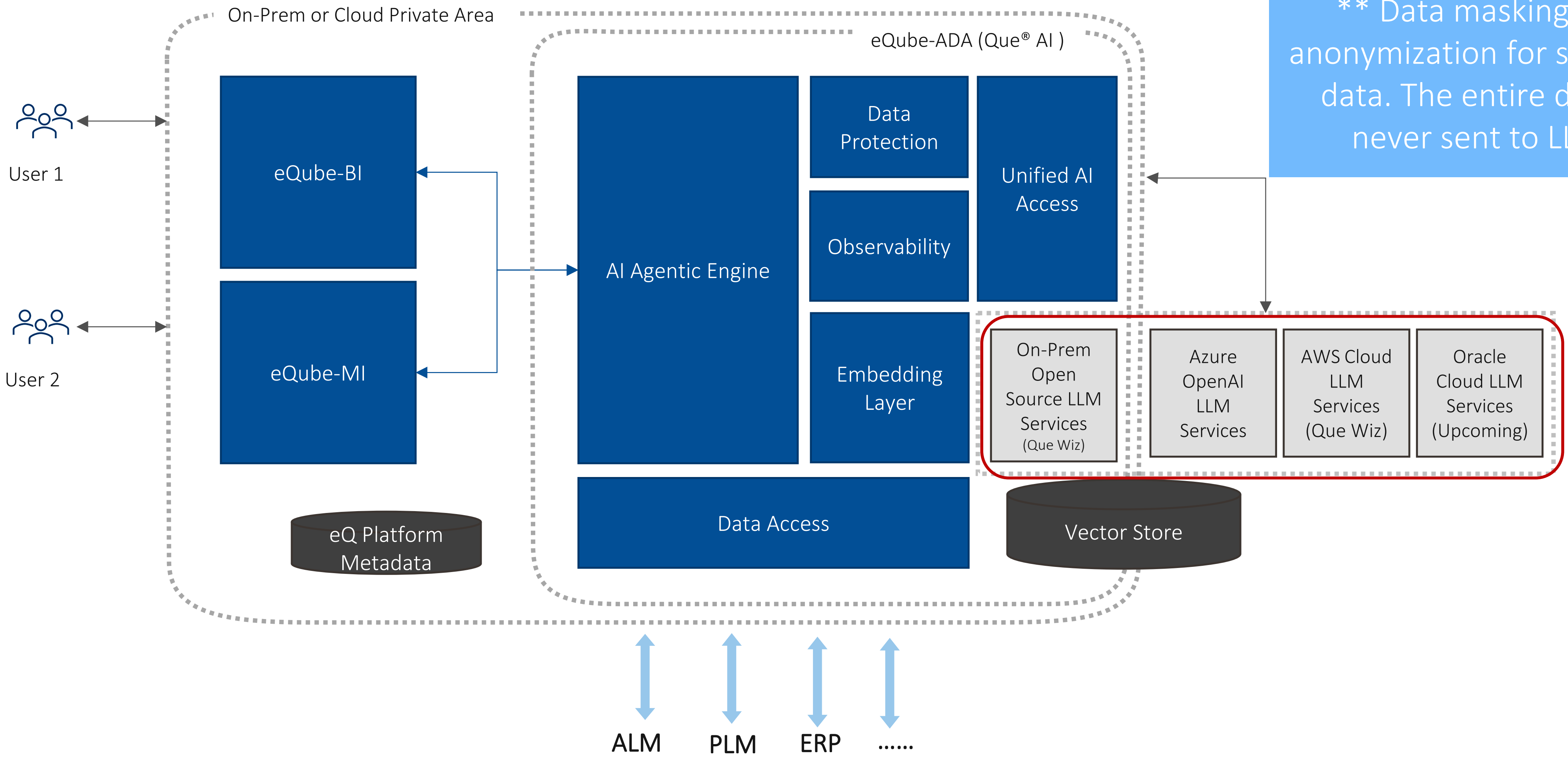


QUE® **AI SOLUTIONS**

Agentic AI that builds, learns, and runs your tech

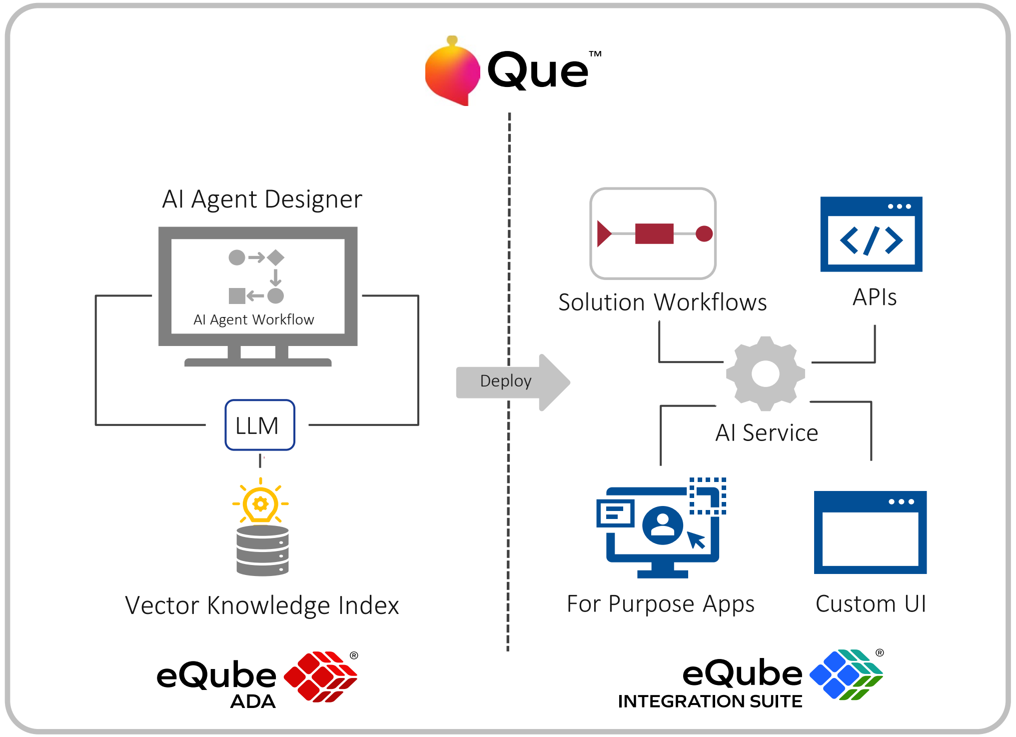
Que™ Architecture

** Data masking and anonymization for sensitive data. The entire data is never sent to LLM.



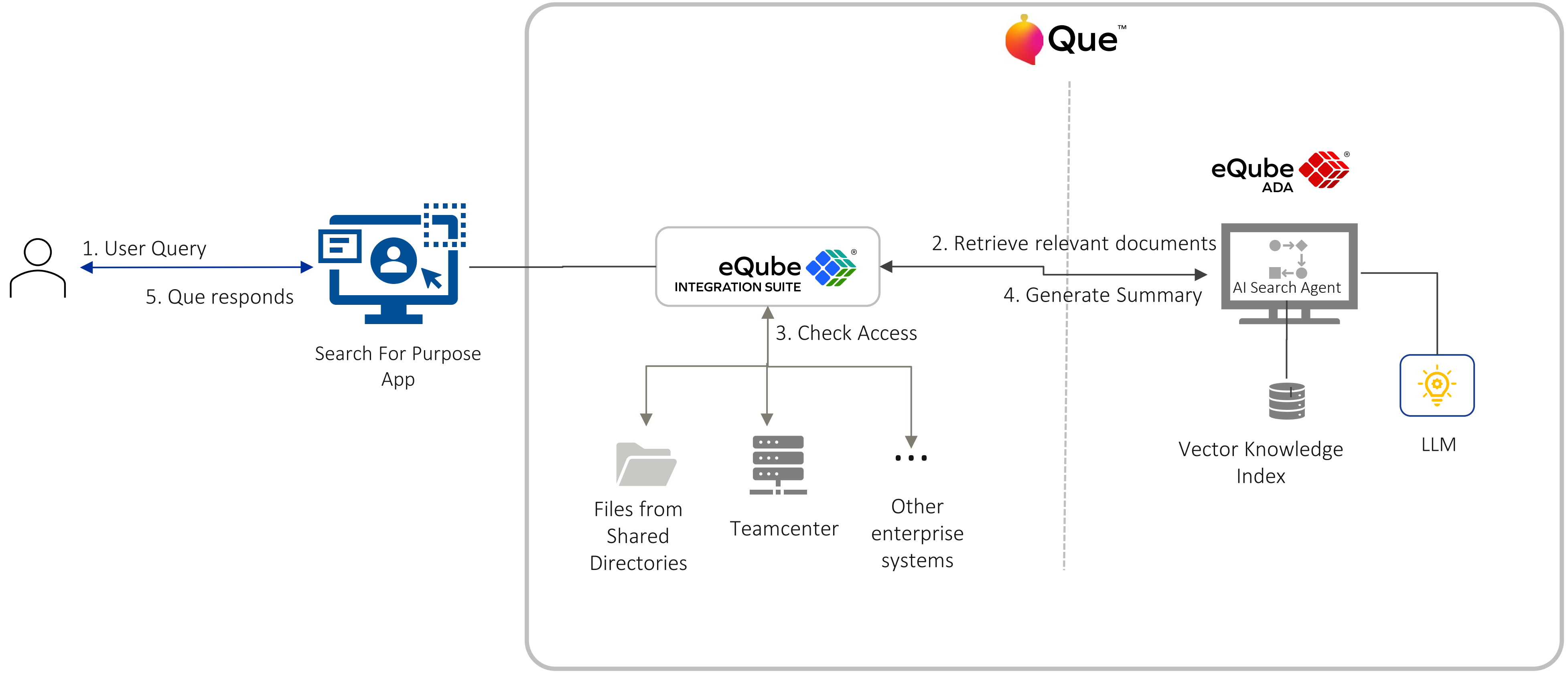
Que® AI Agents (Beta)

- Enables Solution design, deploy and embed AI Agents in eQube® Solutions
- Que® AI Agent Designer in eQube®-ADA helps you
  - Simplified Contextual knowledge ingestion
  - Interactively design workflows
  - Connect to any LLM Service (OpenAI, Claude, Llama3, …) and define Vector knowledge bases to create AI solutions
  - Deploy and Manage the AI workflows as a service
- Que® AI Agents Integrations in eQube®-MI powers
  - Orchestrate the Que® AI service as part of the solution workflow
  - Expose For Purpose Apps or REST APIs as part of the solutions with integrated AI features



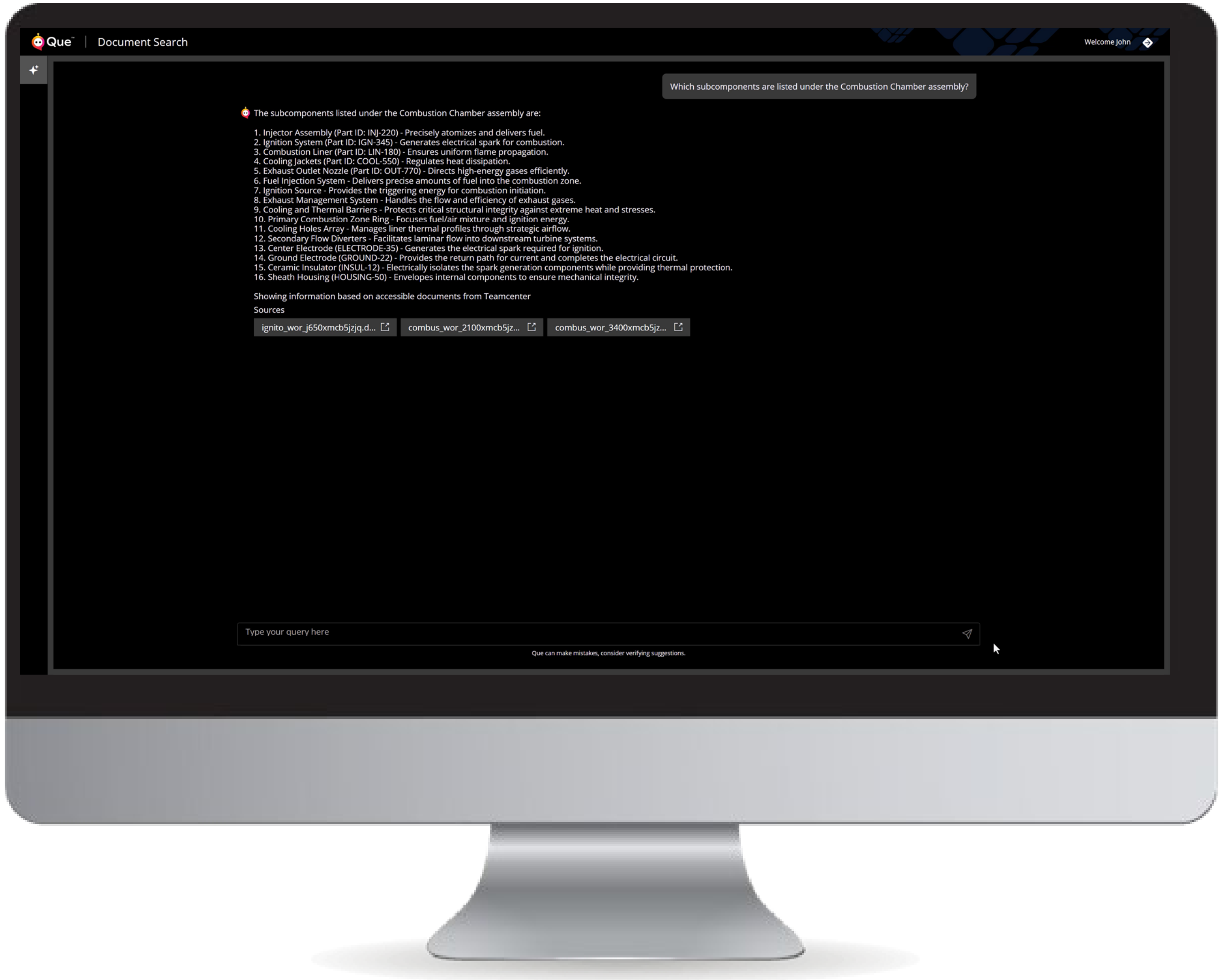
Use Case 1 – AI Document Q & A

- Problem Statement
  - User wants to search for specific technical information which is embedded in the documents that are attached as datasets to objects in PLM or any enterprise systems.



Use Case 1 – AI Document Q & A Demo

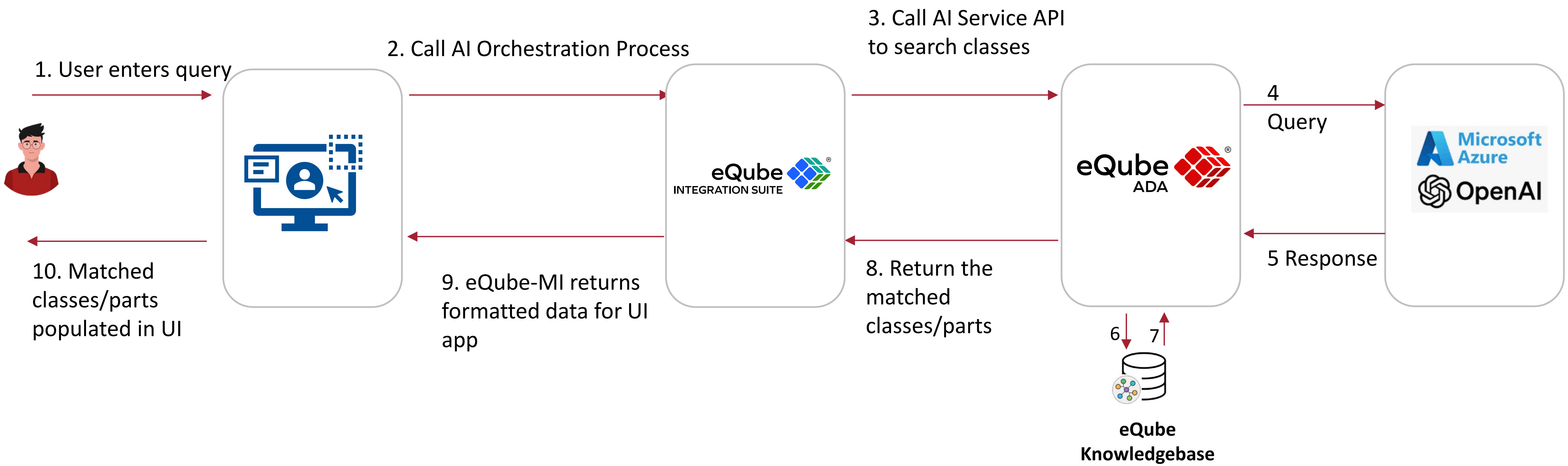
- Search for technical information within datasets in a PLM system
- Simple UI for interactive conversation
- User privileges within PLM honored by AI search
- Can be extended to an enterprise side search by connecting and indexing documents from multiple systems



Use Case 2 – Teamcenter Classification

- Searching a particular Part based on Classification attributes or Taxonomy can be challenging due to:
  - End users may not be aware of exact name of attributes or classes
  - End users may not be aware of exact values of attributes of a Class
  - Attributes typically vary based on type of Class
  - Classification can be applied only on Storage Classes in Teamcenter
  - There can be more than 7000 classes in entire Taxonomy

Use Case 2 – Teamcenter Classification



TC Classification use cases

- Use Case1

- QUE AI Search Class from TC Classification Taxonomy
  - Searching class based on generic parent class names
  - Magnets, Bearings, Pins etc.

- Searching class in natural language form
  - "Bearings with thin sections" gives "Ultra Thin Section Ball Bearings"
  - "Bearing with cones" gives "Tapered Roller Bearing – Cones" class
  - "magnets like loaf" gives "Bread Loaf Magnets"

- Searching class based on semantics
  - "similar to conduits" gives "Tubing" class
  - "anything equivalent to lanyards" gives "Cable Ties" class

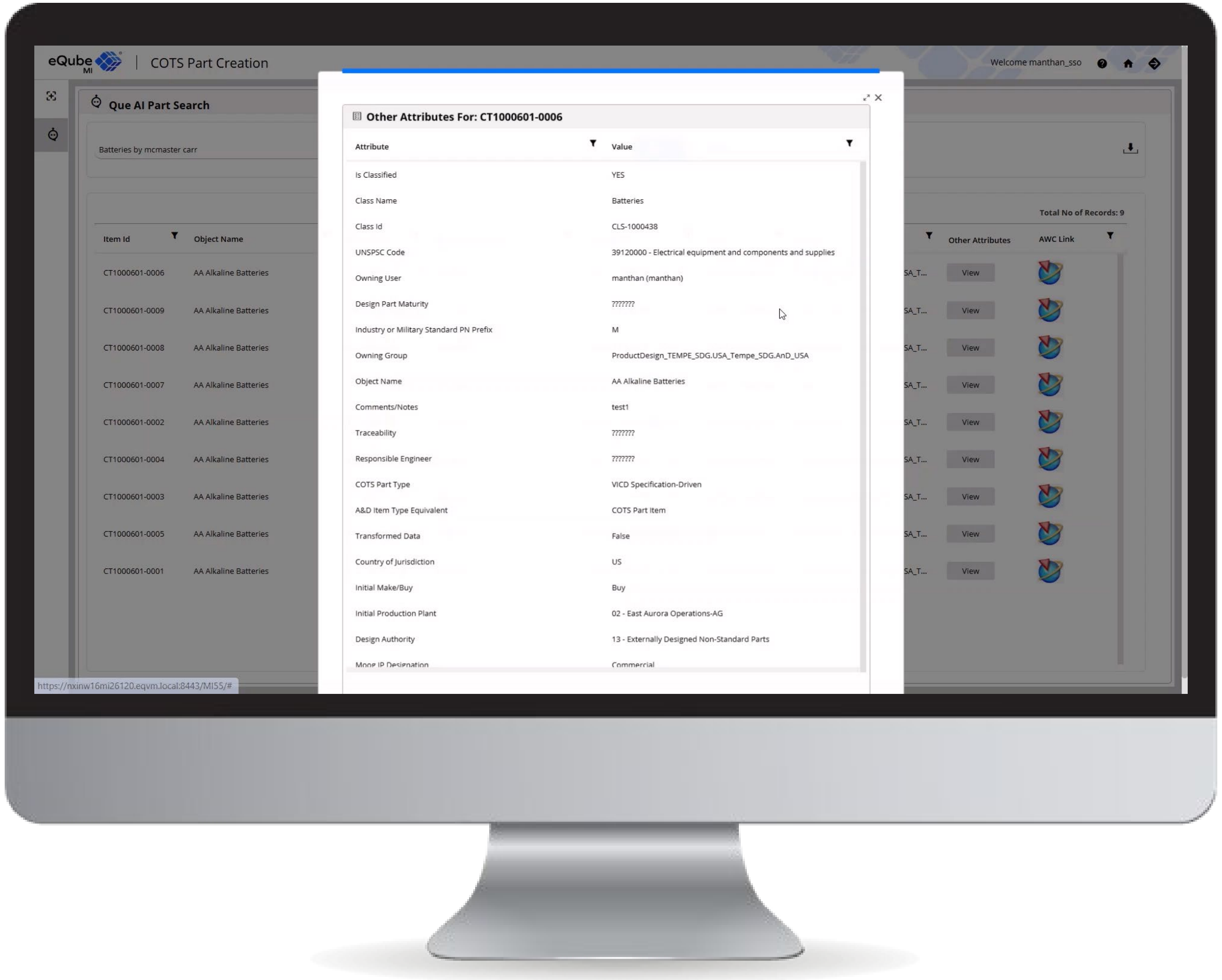
- Use Case2

- QUE AI Searching Parts based TC Classification attributes -

- Searching in natural language form
  - drill supplied by Kennametal
  - bearing having rotational speed 43,000 rpm
  - Ball Bearings with contact angle > 17
  - ethernet cable with pvc shield
  - ENDMILL with number of teeth > 3
  - powder coated arc magnets

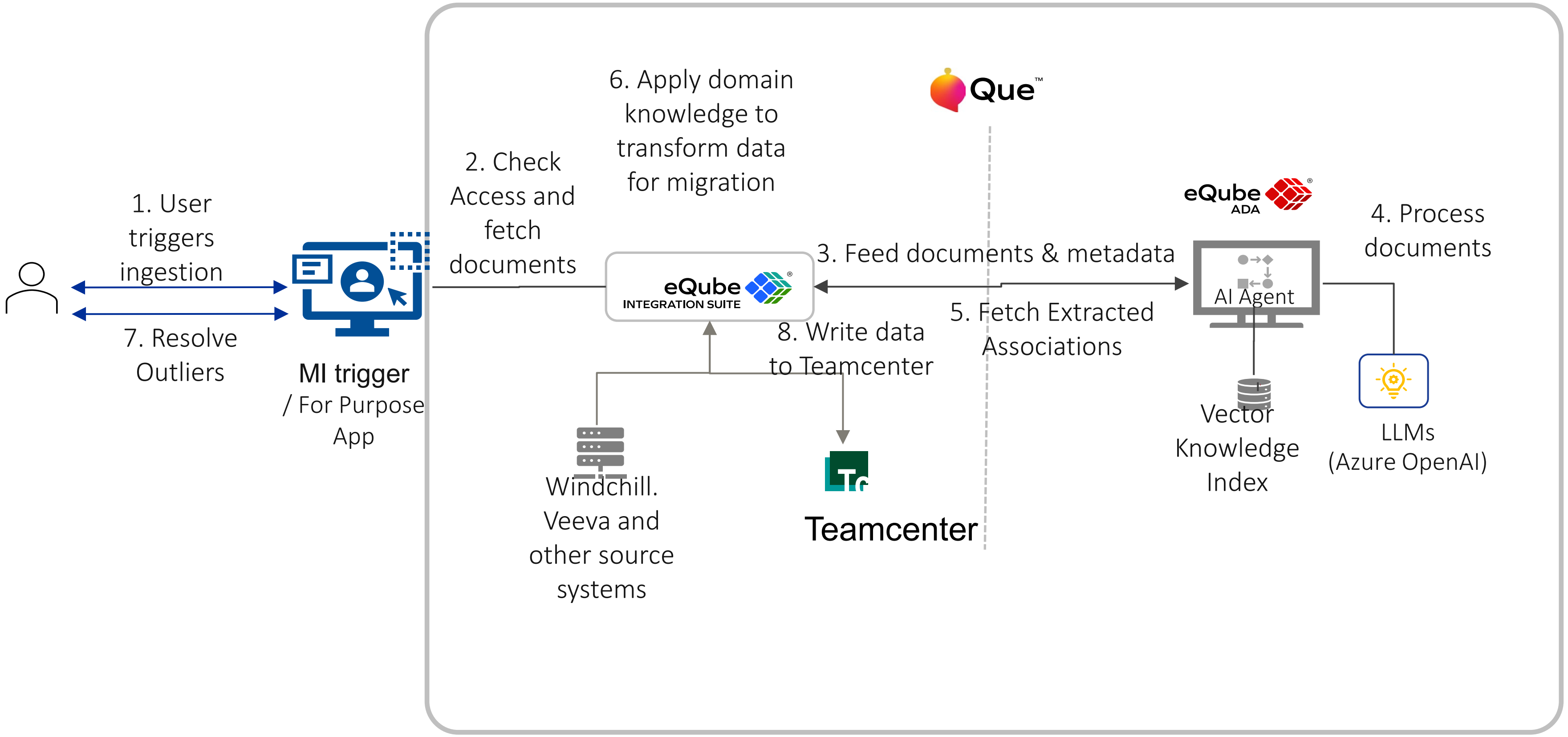
Use Case 2 – TC Classification advanced search

- Simplifies searching from thousands of TC classification taxonomy classes
- User can search using natural language
- Eliminates tedious process for finding “storage class”
- Can be extended to read from supplier data sheets and auto creation of standard parts



Use Case 3 –AI Document extraction for migration

- Medical devices customer has Design History Files (DHF) and Device Master Records (DMR) as word documents and PDFs in one PLM. AI needs to find associations and categorize data into structured format for ingesting into destination PLM. Number of docs to be analysed more than 10 million.



Train Model Process

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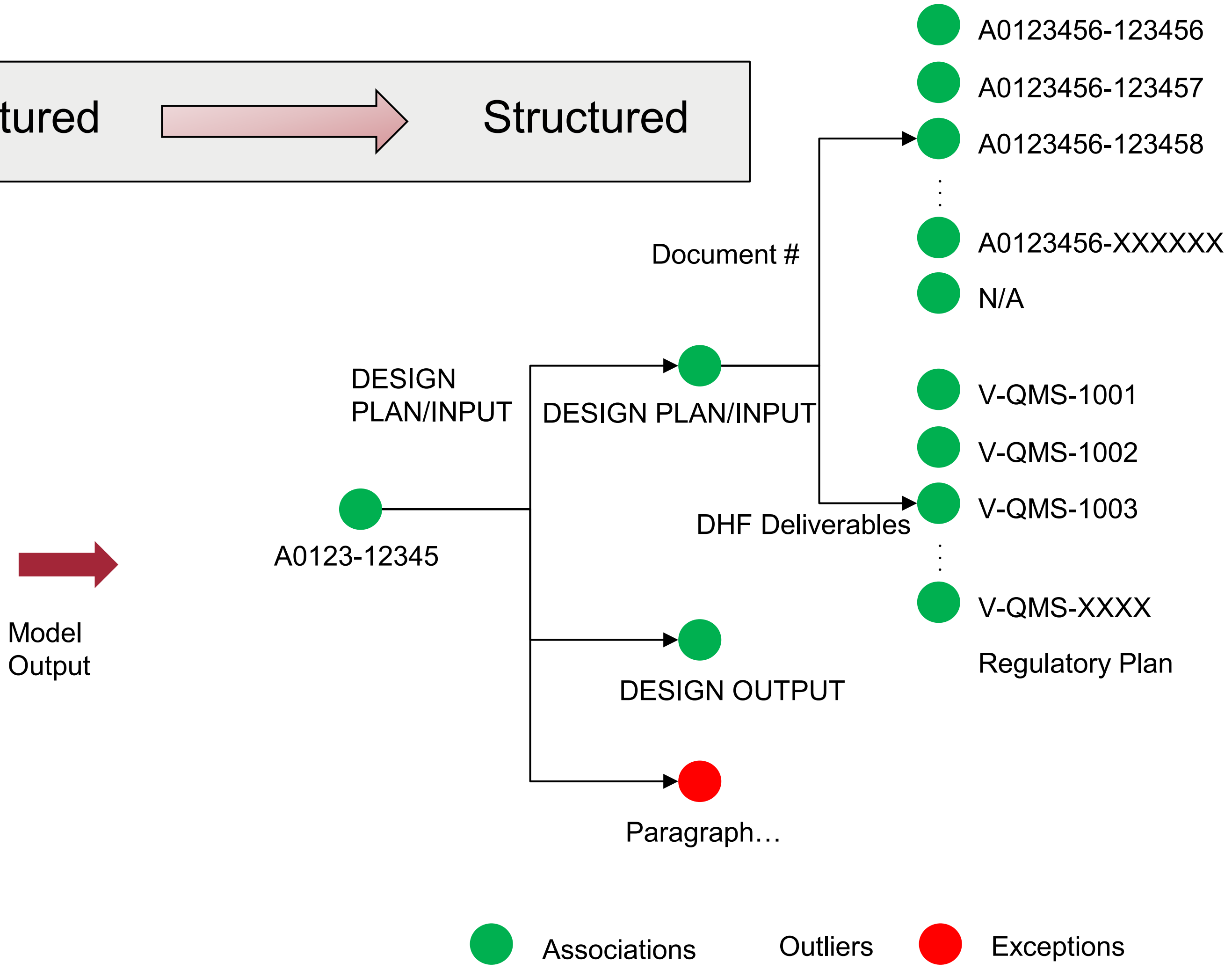
DHF INDEX

PHASE with DHF Documents	Archived Documents Demonstrating Current Compliance		
	Document #	**Version**	**Location/System**
DESIGN PLAN/INPUT			
Design Plan Deliverables			
Entry to Design Plan	XYZ-12345	1/1/2020	R & D Archive
Design Plan	TDOC-11001	1.0	RDDCM
Design Input Deliverables			
Risk Mana			
DESIGN OUTPUT			
Design Output De			
Design Pla			
Risk Mana			
Verificatio			
DESIGN VERIFICA			
Design Verificatio			
Design Pla			
Risk Mana			
Verificatio			
Risk Mana			
DESIGN VALIDATI			
Design Validation			
Design Pla			
Risk Mana			
Verificatio			
Risk Mana			
Evaluation			
DESIGN TRANSFE			
Design Transfer D			
Design Pla			
Verificatio			
Market Aut			
DESIGN CHANGE			

Design History File Index

DHF Deliverables	Document Title	Document #	Version
DESIGN PLAN/INPUT			
Design Plan (V-QMS-1001)	Product Design Plan	A0123-12345	2.5
Regulatory Plan	See Design Plan	N/A	N/A
Health, Safety and Environment (HSE) Plan (V-QMS-1002)	See Design Plan	N/A	N/A
User Needs and Traceability (V-QMS-1003)	Product User Needs and Traceability	A0133-12345	1.5
Product Description	Product Description	A0154-12345	1.9
	Product Usage	A0154-12346	2.5
Other plan types...			
DESIGN OUTPUT			
Product Requirements to Design Outputs (V-QMS-1005)	See Design Plan	N/A	N/A
Design Transfer Plan (V-QMS-1006)	Product Design Plan	A0134-12345	1.5
Device Description (Product Architecture)	See Design Plan	N/A	N/A
Specifications (drawings, software, packaging)	Product drawings	A0123456-1235001 (A1) A0123456-1235002 (A2) A0123456-1235003 (A3)	D.2 B.5 C.1
	Assembly drawing	A0123456-1235101 (A1) A0123456-1235102 (A2) A0123456-1235103 (A3)	D.2 B.5 C.1
	Packaging Configuration	A0123456-1236101	D.5
Label content	Configuration 1	123456.001 (Master)	5
		1000000001 (reference)	05
	Configuration 2	123789 (Master)	1
		1000000001 (reference)	05
Other design output types...			
DESIGN VERIFICATION			
Product Requirements to Design Verification (V-QMS-1007)	See Design Plan	N/A	N/A
Design Verification Reports (V-QMS-1008)	Testing Report 1	A0123-5555	6.5
	Testing Report 2	TDOC-0056	2.5
Other reports			
DESIGN VALIDATION			
Product Requirements to	See Design Plan	N/A	N/A



Connect with Source Systems & Migrate to Teamcenter

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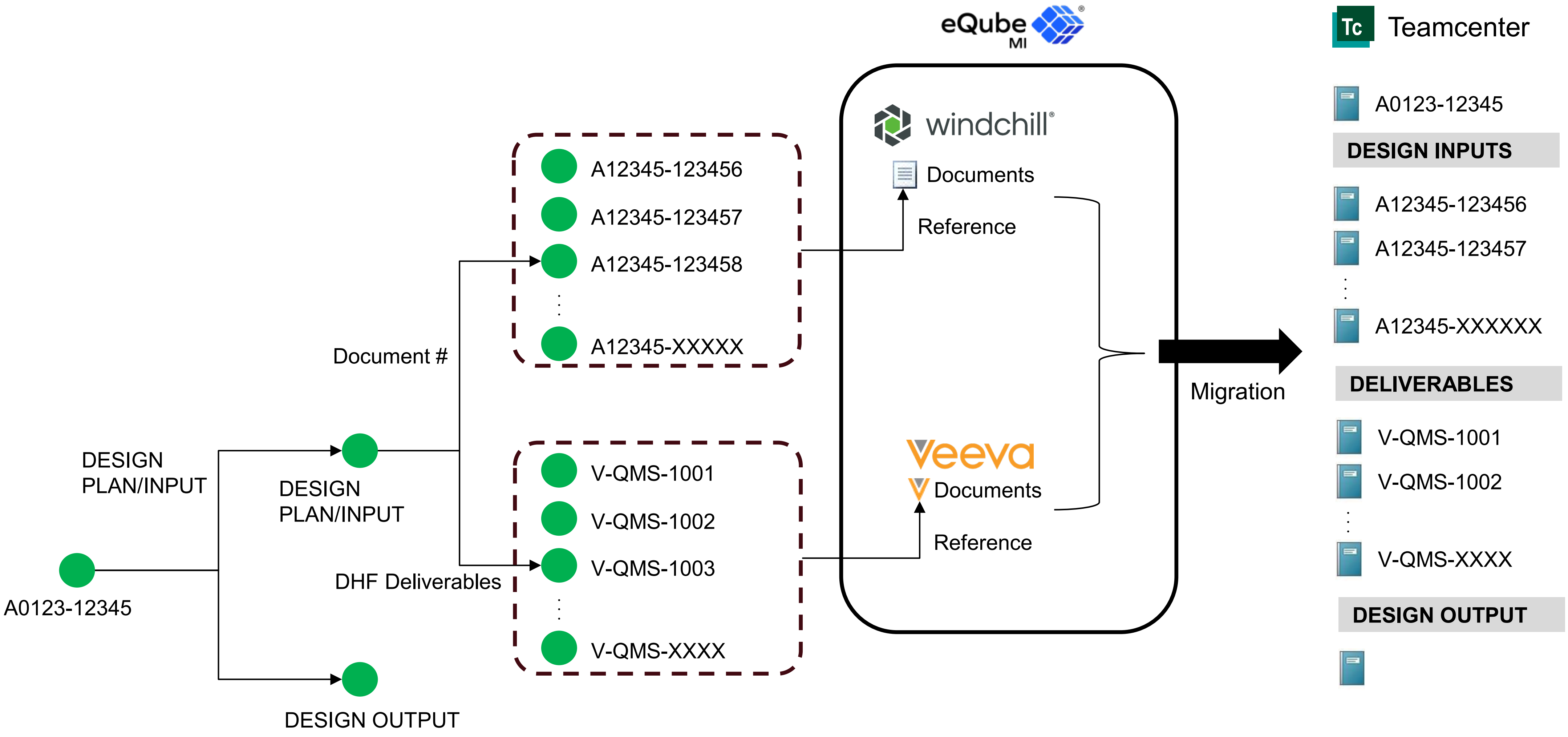

Summary

- eQube platform AI offerings
  - Que Analytics, Que Integrations, Que Agents
  - User Productivity and Knowledge, Accelerating Solution Time to Market, Reduced Errors!

- Que AI Solutions
  - Que Wiz
  - AI Document Q & A Solution
  - AI Search on TC classifications and objects during COTS part creation workflow
  - AI Document Extraction for Migration Solution

- Coming soon
  - Que® trial on eQube cloud
  - eQube® Platform release 2025.01 with Que® R1
  - MCP based AI Agents
  - Support for self correcting and loop-based agents
  - Plug and Play library of agents
  - Enhanced natural language support
  - Que for Digital Thread Analytics (DTA)

Questions?

- Please visit us at our booth for any questions.

- Nate Nalven
  Senior Vice President, Customer Engagements
  Email: nate@1eq.com

- Gauri Gujarathi
  Senior Manager, Customer Engagements
  Email: gauri@1eq.com

- Stephen Price
  Manager, Customer Engagements
  Email: stephen@1eq.com

eQ Technologic

We Simply Deliver!