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KAMU İHALE KURUMU

ekap

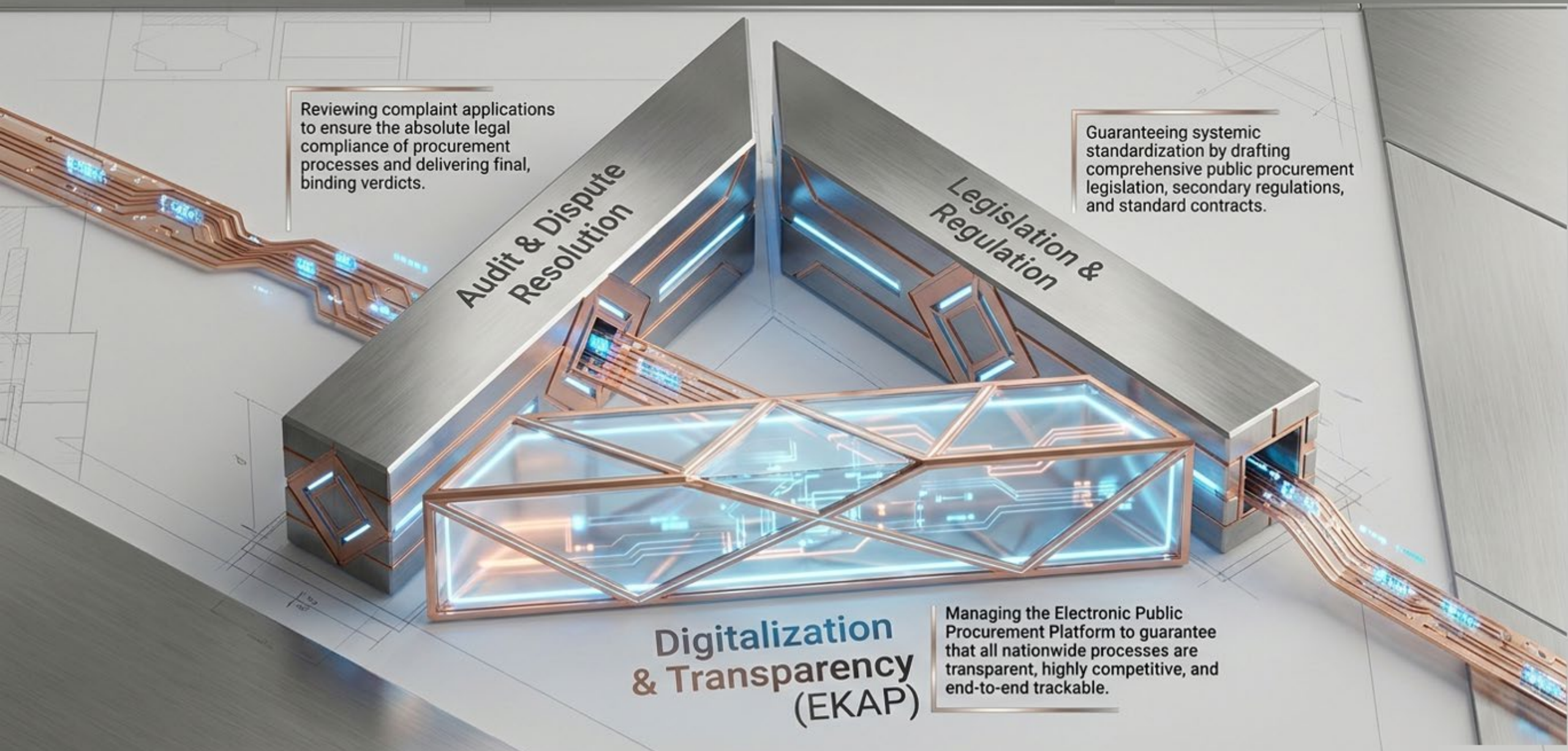


Public Procurement

Necmettin YÜKSEL

Head of Electronic Procurement Department

Public Procurement Authority



EKAP IN NUMBERS

Data Backbone for Public Procurement

~70,000



Registered Contracting Authorities

~300,000



Registered Bidders & Suppliers

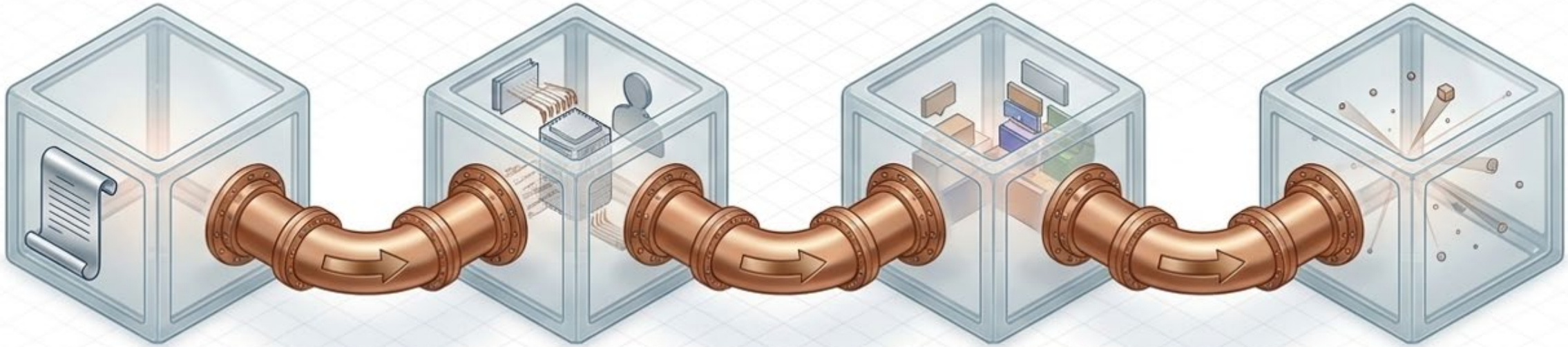
~$75 Billion



Annual Total Contract Value

The End-to-End Artificial Intelligence Pipeline

Step 1: Input



A complaint petition enters the system.

Step 2: Summarization

AI summarizes the petition; Human Oversight finalizes it.

Step 3: Classification

The summarized claims are labeled and classified.

Step 4: Semantic Search

Classified claims are scanned in vector space to deliver relevant decisions.

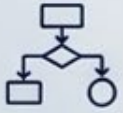
The output of one model serves directly as the input for the next.

From Operations to Predictions

Today - Operational Efficiency



Petition Summarization
(NLP-based structural summaries)



Decision Classification
(Smart classification and labeling)



Smart Search
(Vector space and semantic technology for Legislation & Precedents)

Tomorrow - Predictive Decision Support



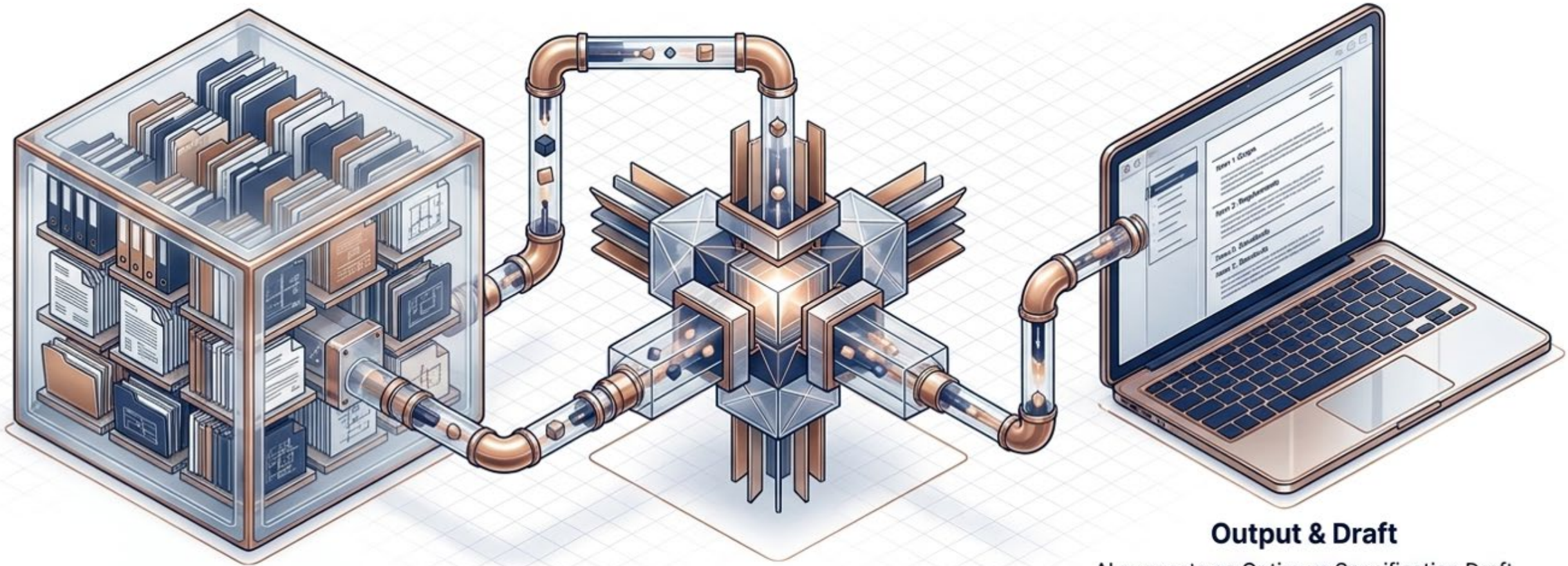
Technical Specification Drafting
(Content clustering and automated drafting)



Estimated Cost Calculation
(Predictive budgeting from E-commerce, and Historical Data)

Ultimate Goal:
An Informed AI Ecosystem.

Future Horizon: Technical Specification Drafting



The Data Factory

EKAP Specification Pool scanning historical tenders by subject, procedure, and criteria.

AI Clustering Engine

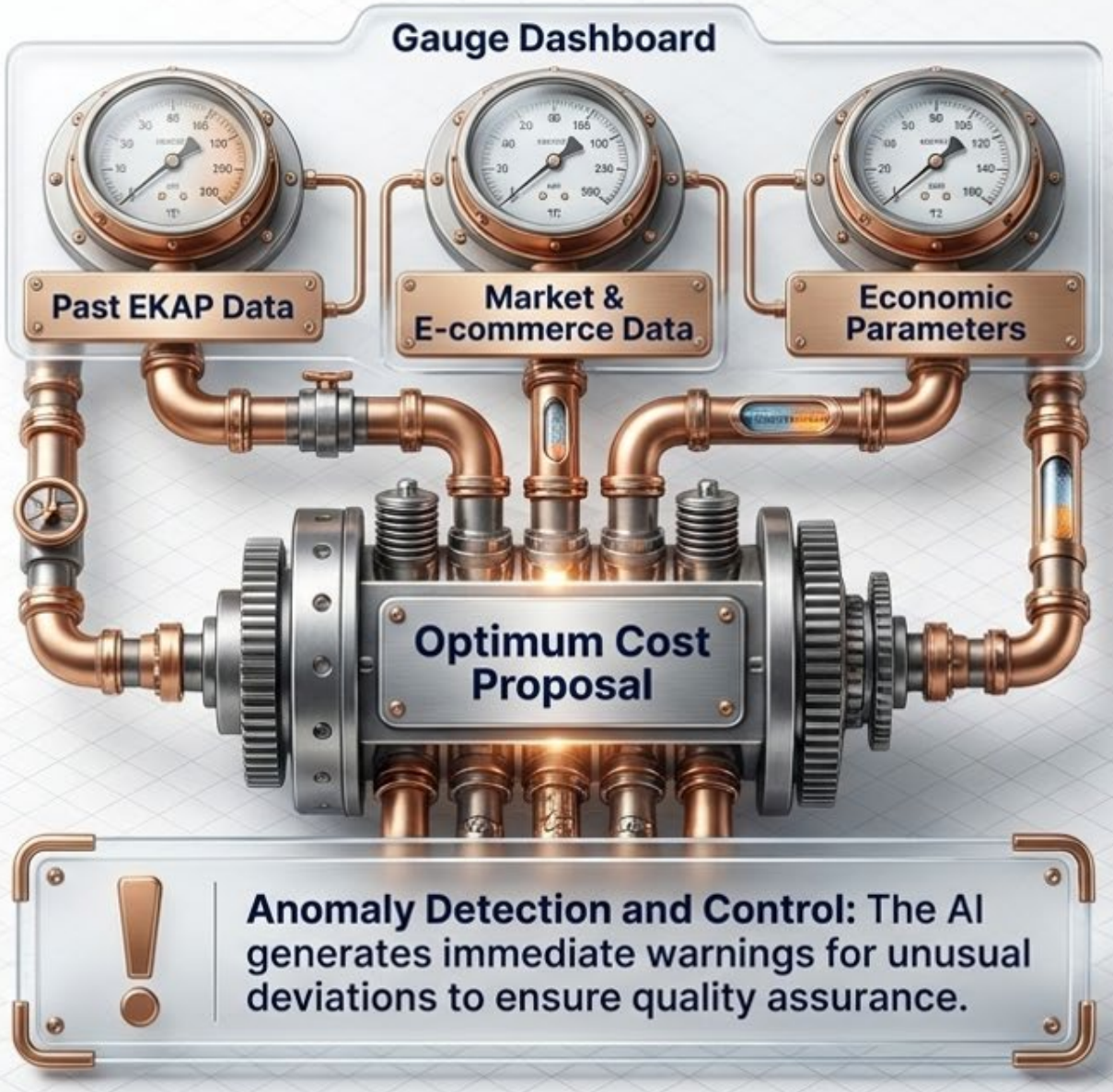
Identifies and classifies documents with high similarity rates.

Output & Draft

AI suggests an Optimum Specification Draft based on simple needs (e.g., Catering Services).

Final control always remains with the administration.

Future Horizon: Estimated Cost Prediction



Anomaly Detection and Control: The AI generates immediate warnings for unusual deviations to ensure quality assurance.

THANK YOU

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