

AI Solution in DnA Team



We integrate the
Retrieval-Augmented
Generation (RAG) framework
within **Snowflake** to retrieve
insights from integrated
data sources and generate
contextual, actionable
recommendations

**SNOWFLAKE
WORLD TOUR**
JAKARTA
2025



Snowflake's GenAI

Snowflake's GenAI capabilities were
leveraged to analyze sensor data in
real time and generate AI-driven
action recommendations





AI Solution in DnA Team

AI FOR ACTIONABLE RECOMMENDATIONS



Predictive Maintenance

Identifies risks related to equipment failures and recommends proactive maintenance schedules



Fraud Detection

AI analyzes transactional data patterns, suggesting preventive actions to mitigate fraud risks



Financial Forecasting

AI predicts revenue trends and recommends strategies to optimize costs



Supply Chain Optimization

AI forecasts demand and recommends inventory adjustments to improve supply chain efficiency

AI FOR CONVERSATIONAL ANALYTICS

**SNOWFLAKE FOR
DWH, SAP ANALYTICS,
REALTIME IOT
ANALYTICS**

- AI-Powered Chatbot
- Automated Anomaly Detection
- Self-Service Analytics

Snowflake was implemented as the core Data Warehouse (DWH), enabling to integrate and process high-volume sensor data from mining machinery

AI FOR ENTERPRISE-WIDE DATA INTEGRATION

Unified Data Asset

By providing real-time access to unified data, we speed up AI model training and ensure accurate predictions

Data Governance for AI

Ensuring that AI models follow security and governance policies while making real-time decisions across integrated data sources

360° Customer View

Combining data from CRM, ERP, and external sources helps create a holistic customer view, driving personalized marketing and customer engagement strategies

SNOWFLAKE IMPLEMENTATION SERVICES

Snowflake Quick Start

- Platform implementation
- Training

Open Platform (Iceberg)

- Iceberg Implementation
- Datalake (AWS S3)

Data Consolidation

- Set up Provider
- Set up Consumer

Generative AI

- Knowledge Management SF
- Report GenAI with MicroStrategy

Modernize Data Platform

- Migrate Schema
- ETL Migration
- Change data capture
- SAP Data extraction