

What we have to serve to Oil & Gas Industry?

Enterprise Digital Core Asset

Strategy & Design Layer

Process & Data
Integration Layer

Data Warehouse /
Lakehouse Layer

BI **(Business Intelligent)** Layer

AI **(Artificial Intelligent)** Layer











Enterprise Digital Core: Integrated Data & Intelligence Platform for Operational and Strategic Excellence

EA & IE (TOGAF)

Phase1: Strategy & Design (Months 1–2)

- Data & BI Strategy
- EA Blueprint (TOGAF or custom)
- Process Inventory & Target Architecture
- Data Governance Framework

Phase2: Process & Data Integration (Months 3–6)

- Unified Business Process Map
- System Integration Plan (ESB/API/MQTT/OPC UA, etc.)
- ETL Pipelines (Informatica, Apache Nifi, Azure Data Factory)

Phase 3: Data Warehouse / Lakehouse Development (Months 7–10)

- Cloud-based DW or Lakehouse (Snowflake, Databricks, Big Query, Azure Synapse)
- Data Model (Star/Snowflake or Data Vault)
- Metadata Catalog (e.g., Alation, Apache Atlas)
- Data Quality & Lineage Tools

Phase4: Business Intelligence Layer (Months 11–13)

- Dashboards (Power BI, Tableau, Qlik)
- KPI Library (linked to business strategy)
- Alerting & Threshold Reporting
- BI Training for Business Users

Phase 5: Artificial Intelligence Layer (Months 14–18)

- Predictive Maintenance (based on CMMS + sensor data)
- Production Forecasting
- Safety Incident Risk Prediction
- Document AI for automating reporting

IsDynamic Enterprise Digital Core











Strategy & Design (Months 1–2)

- Data & BI Strategy
- EA Blueprint (TOGAF or custom)
- Process Inventory & Target Architecture
- Data Governance Framework

Process & Data Integration (Months 3–6)

- Unified Business Process Map
- System Integration Plan (ESB/API/MQTT/OPC UA, etc.)
- ETL Pipelines (Informatica, Apache Nifi, Azure Data Factory)

Data Warehouse / Lakehouse Development (Months 7–10)

- Cloud-based DW or Lakehouse (Snowflake, Databricks, Big Query, Azure Synapse)
- Data Model (Star/Snowflake or Data Vault)
- Metadata Catalog (e.g., Alation, Apache Atlas)
- Data Quality & Lineage Tools
- ry compliance (ISO 27001, GDPR, etc.)

Business Intelligence Layer (Months 11–13)

- Dashboards (Power BI, Tableau, Qlik)
- KPI Library (linked to business strategy)
- Alerting & Threshold Reporting
- BI Training for Business Users

Artificial Intelligence Layer (Months 14–18)

- Predictive Maintenance (based on CMMS + sensor data)
- Production Forecasting
- Safety Incident Risk Prediction
- Document AI for automating reporting

Enterprise Digital Core Asset Implementation Phases

Contact US

- Website: www.isdynamic.com
- Email: info@isdynamic.com
- Mobile/WhatsApp/Telegram:+989176014957