Intelligence at Mastech InfoTrellis: Enterprise Knowledge Graph Intelligence

Increase business velocity and critical decision-making with Enterprise Knowledge Graphs and AI-powered learning. Use forward-looking, self organizing, Enterprise intelligence instead of backward-looking traditional data models.

How it works: MIT Ontology Development
(6-8 Weeks USD$50k-$75k):

Business Problem Definition:
Understand the problem and select ontology accelerator

Data Preparation:
Understand data sources and inspect for ontology mapping

Ontology Development:
customize fit-for-purpose ontology and process data

Report and Recommendations:
Summarize findings and propose next steps for EKG development

Enterprise Knowledge Graphs (EKGs) represent the future of Enterprise Data Management, Data Engineering, Data Science, and true functional-AI. An EKG represents all Enterprise data, knowledge, and insights in one place—providing a semantic understanding of the Enterprise. EKGs can be used to quickly answer complex business questions in real-time that traditional relational data models (data warehouses, data vaults) are unable to do. EKGs have the flexibility to grow organically as new information becomes available, dynamically representing current business conditions.

Mastech InfoTrellis (MIT) helps clients develop a purpose-built Knowledge Graph in three stages:

- Ontologies define terms and concepts and their relationships that can be leveraged in a range of applications: MDM hierarchies, knowledge graphs or to support recommendation engines (ML/AI)
- Graph construction build a graph from available data sources, using one or more ontologies. MIT has developed several novel ML algorithms to automate and accelerate graph construction
- Graph intelligence extract insights using varying levels of sophistication including AI and ML Inference models. MIT has expertise in building high-value AI applications to address complex business problems

Ad hoc query
support across heterogeneous data sets

Semantic abstraction
enables the extraction of insights from disparate data

AI-Inference models
help develop richer business insights and drive
Data-Driven decisions

Power the Data Driven Enterprise with Mastech InfoTrellis Intelligence Services.

Innovators in Graph Data Engineering | Award-winning data science practitioners with deep industry domain expertise | Teams of PhDs and subject matter experts from Data, to Signals, to Explainable AI | 300+ AI/ML deployments in multiple industries.

ARCHITECTING
enterprise
INTELLIGENCE

MIT helps its clients transform into Data-Driven organizations. Let's get in touch.

📞 + 1 470-648-1648
📍 57 Forsyth St. NW,
Suite 240,
Atlanta, GA – 30303
✉️ experience@mastechinfotrellis.com